SCAFCO®
Steel Stud Company

# STEEL FRAMING CONNECTIONS

## CATALOG 400

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## GENERAL PRODUCT INFORMATION



## DEFLECTION CLIPS



## DEFLECTION CLIPS (CONT.)



## SECURE CLIPS

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## BACKING, BLOCKING, & STIFFENERS



## SPECIALTY PRODUCTS

# Custom Brake Shapes

## Product Application

SCAFCO offers a broad selection of custom brake shapes for a wide range of construction applications. Each shape is custom-made using advanced forming equipment to match precise dimensions needed.

When ordering custom brake shapes, identify inside and outside measurements, as well as any angles or punchouts required.

## Contact Engineering Services

For assistance with ordering or questions on your project, utilize SCAFCO Engineering Services.

***Call: 509-789-8669***

***Email: Technical@SCAFCO.com***

***Website: www.SCAFCO.com***

## Features and Benefits

- Corrosion-resistant galvanized-coated steel
- Manufactured exclusively to drawings and specifications
- Flat stock sheets available

## Available Steel Thickness

- Mill certified steel
- ASTM: A653/A653M
- 30EQD
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G40 / G60 galvanized coating*
- 30 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G40 galvanized coating*
- 33EQS
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 galvanized coating*
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 43EQS
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 galvanized coating*
- 43 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 54 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 68 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 97 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 118 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- 127 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

Custom Angles

Deep Leg Track

Custom Studs

Custom Punching

Pitch Track

Custom Clips and Stiffening Plates

Custom Shapes

# Thickness & Connection Capacities

## Quantity / Order Information

| Steel Thickness Table | | | | |
|---|---|---|---|---|
| Designation Thickness (mil) | Minimum Thickness (in) | Design Thickness (in) | Design Inside Corner Radii (in) | Reference Only Gauge No. |
| 25EQ | 0.0147 | 0.0155 | 0.0860 | 25 |
| 18 | 0.0179 | 0.0188 | 0.0843 | 25 |
| 20EQ | 0.0179 | 0.0188 | 0.0844 | 20-Drywall |
| 30EQD | 0.0223 | 0.0235 | 0.0820 | 20-Drywall |
| 30 | 0.0296 | 0.0312 | 0.0781 | 20-Drywall |
| 33EQS | 0.0280 | 0.0295 | 0.0790 | 20-Structural |
| 33 | 0.0329 | 0.0346 | 0.0764 | 20-Structural |
| 43EQS | 0.0380 | 0.0400 | 0.0712 | 18 |
| 43 | 0.0428 | 0.0451 | 0.0712 | 18 |
| 54 | 0.0538 | 0.0566 | 0.0849 | 16 |
| 68 | 0.0677 | 0.0713 | 0.1069 | 14 |
| 97 | 0.0966 | 0.1017 | 0.1525 | 12 |
| 118 | 0.1180 | 0.1242 | 0.1863 | 10 |
| 127 | 0.1270 | 0.1337 | 0.2005 | 10 |

### Table Notes

1. Minimum thickness represents 95 percent of the design thickness and is the minimum acceptable thickness delivered to the jobsite based on Section B7.1 of AISI S100.
2. The values in this catalog are calculated based on inside corner radii listed in this table. The inside corner radius is the maximum of 3/32 – t/2 or 1.5t, truncated after the fourth decimal place (t = design thickness). Centerline bend radius is calculated by adding half of the design thickness to the listed corner radius.

## Weld Capacities

| Allowable Welds Capacity (lbs) for 1" Long Welds | | | | | | | |
|---|---|---|---|---|---|---|---|
| Thickness (mil) | Design Thickness | Yield - Fy (ksi) | Tensile - Fu (ksi) | Fillet Welds | | Flare Groove Welds | |
| | | | | Parallel | Perpen-dicular | Parallel | Perpen-dicular |
| 43EQS | 0.0400 | 57 | 65 | 639 | 1106 | 696 | 849 |
| 43 | 0.0451 | 33 | 45 | 601 | 864 | 544 | 663 |
| 54 | 0.0566 | 50 | 65 | 1188 | 1566 | 985 | 1202 |
| 68 | 0.0713 | 50 | 65 | 1562 | 1972 | 1241 | 1514 |
| 97 | 0.1017 | 50 | 65 | 1269 | 1269 | -* | -* |
| 118 | 0.1242 | 50 | 65 | 1550 | 1550 | -* | -* |
| 127 | 0.1337 | 50 | 65 | 1668 | 1668 | -* | -* |

**Weld capacity for material thickness greater than 0.10" requires engineering judgment to determine leg of welds, W1 and W2.*

### Table Notes

1. Capacities based on the AISI S100 Specification Sections J2.5 for fillet welds and J2.6 for flare groove welds.
2. When connecting materials of different steel thicknesses or tensile strengths, use the lowest values.
3. Capacities are based on Allowable Strength Design (ASD).
4. Weld capacities are based on E60 electrodes. For material thinner than 68 mil, 0.030" to 0.035" diameter wire electrodes may provide best results.
5. Longitudinal capacity is considered to be loading in the direction of the length of the weld.
6. Transverse capacity is loading in perpendicular direction of the length of the weld.
7. For flare groove welds, the effective throat of weld is conservatively assumed to be less than 2t.
8. For longitudinal fillet welds, a minimum value of EQ J2.5-1, J2.5-2, J2.5-3, J2.5-4, and J2.5-7 was used.
9. For transverse fillet welds, a minimum value of EQ J2.5-5, J2.5-6, and J2.5-7 was used.
10. For longitudinal flare groove welds, a minimum value of EQ J2.6-2 and J2.6-3 was used.

## Screw Capacities

| Allowable Screw Connection Capacity (lbs) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thickness (Mils) | Design Thickness | Fy Yield (ksi) | Fu Tensile (ksi) | #6 Screw (Pss = 643 lbs, Pts = 419 lbs) | | | #8 Screw (Pss= 1278 lbs, Pts = 586 lbs) | | | #10 Screw (Pss= 1644 lbs, Pts = 1158 lbs) | | | #12 Screw (Pss= 2330 lbs, Pts = 2325 lbs) | | | ¼" Screw (Pss= 3048 lbs, Pts = 3201 lbs) | | |
| | | | | 0.138" dia, 0.272" Head | | | 0.164" dia, 0.272" Head | | | 0.190" dia, 0.340" Head | | | 0.216" dia, 0.340" Head | | | 0.250" dia, 0.409" Head | | |
| | | | | Shear | Pull-Out | Pull-Over | Shear | Pull-Out | Pull-Over | Shear | Pull-Out | Pull-Over | Shear | Pull-Out | Pull-Over | Shear | Pull-Out | Pull-Over |
| 18 | 0.0188 | 33 | 33 | 44 | 24 | 84 | 48 | 29 | 84 | 52 | 33 | 105 | 55 | 38 | 105 | 60 | 44 | 127 |
| 30 | 0.0312 | 33 | 33 | 95 | 40 | 140 | 103 | 48 | 140 | 111 | 55 | 175 | 118 | 63 | 175 | 127 | 73 | 211 |
| 33 | 0.0346 | 33 | 45 | 151 | 61 | 140 | 164 | 72 | 195 | 177 | 84 | 265 | 188 | 95 | 265 | 203 | 110 | 318 |
| 43 | 0.0451 | 33 | 45 | 214 | 79 | 140 | 244 | 94 | 195 | 263 | 109 | 345 | 280 | 124 | 345 | 302 | 144 | 415 |
| 54 | 0.0566 | 50 | 65 | 214 | 140 | 140 | 426 | 171 | 195 | 534 | 198 | 386 | 569 | 225 | 625 | 613 | 261 | 752 |
| 68 | 0.0713 | 50 | 65 | 214 | 140 | 140 | 426 | 195 | 195 | 548 | 249 | 386 | 777 | 284 | 775 | 866 | 328 | 948 |
| 97 | 0.1017 | 50 | 65 | 214 | 140 | 140 | 426 | 195 | 195 | 548 | 356 | 386 | 777 | 405 | 775 | 1,016 | 468 | 1,067 |
| 118 | 0.1242 | 50 | 65 | 214 | 140 | 140 | 426 | 195 | 195 | 548 | 386 | 386 | 777 | 494 | 775 | 1,016 | 572 | 1,067 |
| 25EQ | 0.0155 | 50 | 65 | 111 [1] | 39 | 137 | 111 [1] | 47 | 137 | 111 [1] | 54 | 171 | - | - | - | - | - | - |
| 20EQ | 0.0188 | 57 | 65 | 142 [1] | 48 | 140 | 150 [1] | 57 | 166 | 164 [1] | 66 | 208 | 109 | 75 | 208 | - | - | - |
| 30EQD | 0.0235 | 57 | 65 | 174 [1] | 60 | 140 | 184 [1] | 71 | 195 | 236 [1] | 82 | 260 | 152 | 93 | 260 | - | - | - |
| 33EQS | 0.0295 | 57 | 65 | 171 | 75 | 140 | 187 | 89 | 195 | 201 | 103 | 326 | 214 | 117 | 326 | 231 | 136 | 392 |
| 43EQS | 0.0400 | 57 | 65 | 270 | 102 | 140 | 295 | 121 | 195 | 317 | 140 | 386 | 338 | 159 | 442 | 364 | 184 | 532 |

*[1]Values are based on testing using AISI S100 procedures.*

### Table Notes

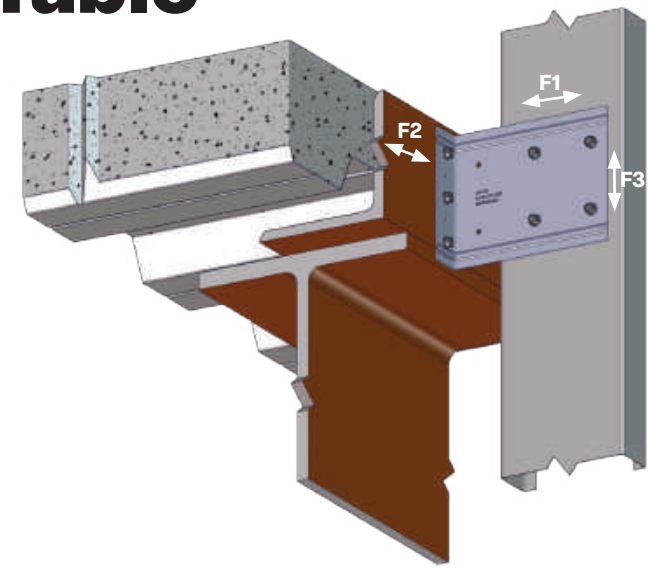
1. Capacities based on AISI S100 Section J4.
2. When connecting materials of different steel thicknesses or tensile strengths, use the lowest values. Tabulated values assume two sheets of equal thickness are connected.
3. Capacities are based on Allowable Strength Design (ASD) and include safety factor of 3.0.
4. Where multiple fasteners are used, screws are assumed to have a center-to-center spacing of at least 3 times the nominal diameter (d).
5. Screws are assumed to have a center-of-screw to edge-of-steel dimension of at least 1.5 times the nominal diameter (d) of the screw.
6. Pull-out capacity is based on the lesser of pull-out capacity in sheet closest to screw tip or tension strength of screw.
7. Pull-over capacity is based on the lesser of pull-over capacity for sheet closest to screw header or tension strength of screw.
8. Values are for pure shear or tension loads. See AISI S100 Section J4.5 for combined shear and pull-over.
9. Screw Shear (Pss), tension (Pts), diameter, and head diameter are from CFSEI Tech Note (F701-12).
10. Screw shear strength is the average value, and tension strength is the lowest value listed in CFSEI Tech Note (F701-12).
11. Higher values for screw strength (Pss, Pts) may be obtained by specifying screws from a specific manufacturer.

# Clip Comparison Table

## Load Paths

All product load capacities are calculated per North American Specification for the Design of Cold Formed Steel Structural Members (hereafter referred to as "NASPEC"). Illustrations of load instructions can be found amongst their relative product load tables located throughout this catalog. Figure to the right demonstrates different types of load directions mentioned in this catalog.

- F1 = Out-of-plane lateral load
- F2 = In-Plane lateral load
- F3 = Direct vertical and uplift load




## SCAFCO Clip Comparison Table

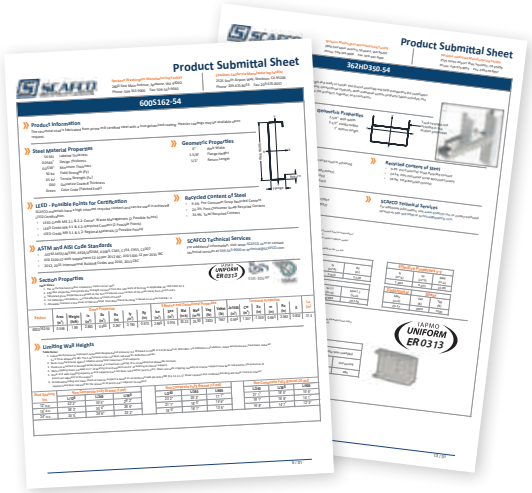
| SCAFCO | Simpson | TSN | Clark Dietrich | Main Use of Product |
|---|---|---|---|---|
| **Deflection Clips** | | | | |
| PLC4/PLC2 | SC, SCS, SCB, MSCB | SLB, SLB-HD, VLB | FCSC, FCEC, FUS, SD, UBC, FCSC-HD | Bypass slab vertical slide clip |
| PLS4/PLS2 | HYS, SSB | SLS | FS | Bypass structure vertical slide strut |
| DPLC2 | IDCB, DSSCB | DSLB, DTSLB | D-FCSC, DR97 & DRC | Bypass slab drift clip |
| DPLS2 | - | DSLS | - | Bypass structure drift strut |
| ESC | SCW, DTC | SL, VTX, VTD, SLD | FTC | Exterior head-of-wall vertical slide clip |
| DESC | HWDC | DSL, DTSL, DSLD | DHOW | Exterior head-of-wall multi-direction drift clip |
| DRC | DSSCB | DTSLB, DTLB | DRC | Bypass slab deflection clip with drift rail |
| SSWT | - | SPLICE | - | Splicing slide clip and rigid wall tie |
| STP | SCHA | SLT, SLF | FTSC | Bypass slab slide top plate |
| **Secure Clips** | | | | |
| AC/PLC4 | FCB, MFCB, SSC, FC | LB, LB-HD, VLB | UCEC, UXRC | Rigid wall bypass slab clip |
| AS | FSB, SJC, MSJC | LS | - | Rigid wall bypass slab strut |
| FA | SSC, MSSC, S/HDU, S/LTT, S/DTT, HTT, S/HDS, S/HDB, RCKW | CL, TD | "D", "T", "MC", "CD" series | Stud stiffening to floor anchor clip |
| MA | SSC, SFC, RCA | - | LS, "S" series | Multiple use rigid angle clip |
| MB | SSC, SJC, RCA | AL | LE, "E" series | Multiple use rigid angle clip |
| MC | SSC, LS, RCA | - | LA, "A" series | Multiple use rigid angle clip |
| BC | SFC, SUBH, MSUBH, LSUBH, DBC | BridgeClip, BC | FB, "U", "B", "X" series | Bridging and bracing clips |
| HG | SHH | HE | "H" series, BHC | Header and stiffener plate |
| PHC | PHC | PLC | PLC | Lift plate for pre-fabricated panels |
| **Stiffeners, Backing, and Blocking** | | | | |
| KB | WBAC | BackIt | FBBC, D | Wall backing |
| NT | - | NT | BB | Notched track backing |
| NS | - | - | - | Notched stud backing |
| TB | - | BuckleBridge | JB | Track blocking |
| FTB | - | - | Shield, JB | Fire track blocking |
| WST | - | - | QTWS | Web stiffener plate |
| Ponywall | RCKW | MidWall | PW, LGPW | Low wall supports |
| **Headers and Jambs** | | | | |
| KJS | - | JAM, SG | JS, HDS | Pre-engineered jamb system |
| HD/HDR | - | JAM | HS, HDS | Pre-engineered header system |
| FM | - | HS | HDSC | Pre-engineered header clip (interior applications) |
| SC | - | - | DNLC | Pre-engineered header clip (exterior applications) |

# Certification of Materials

## Submittal Builder

SCAFCO's Submittal Builder is a premium online tool that helps compile the product data that architects, engineers, and general contractors require.

- SCAFCO's Submittal Builder creates a project cover page that includes:
  - *Project name*
  - *Project location*
  - *Name of general contractor*
  - *Name of architect and engineer*
- Organizes the submittal sheet by product category
  - *Option to include LEED information and SDS sheets*
- Generates a table of contents
- Allows you to e-mail a link or PDF of your submittal




SCAFCO hereby certifies that all light gauge steel framing products manufactured by SCAFCO are compliant with all applicable standards and codes as listed below:

## Code Approvals

- IAPMO ER-0313
- IAPMO ER-0283
- IAPMO ER-0342
- IAPMO ER-0494
- UL ER3660-02

## Design Specifications / Manuals

- North American Specification for the Design of Cold-Formed Steel Structural Members, NASPEC 2016 Edition S100-16
- Gypsum Association Fire Resistance Design Manual

## Material / Product Specification

### Nonstructural (Drywall) Products:

18-30 mil: 33 ksi
25EQ: 50 ksi
20EQ, 30EQD: 57 ksi . . . . . ASTM A1003 / A653, C645

### Structural Framing Products:

33-43 mil: 33ksi
33EQS, 43EQS: 57 ksi
54-127 mil: 50 ksi . . . . . ASTM A1003 / A653, C955

## Coating Specification

### Nonstructural (Drywall) Products:

25EQ, 20EQ, 30EQD
18-30 mil: G40. . . . . ASTM A1003 / A653

### Structural Framing Products:

33EQS, 43EQS: G60
33-97 mil: G60/G90
118-127 mil: G90 . . . . . ASTM A1003 / A653

*Note: Contact SCAFCO for heavier coating thickness availability.*



## For Product Specifications:

## Recycled Content – LEED

SCAFCO materials have a high inherent recycled content of steel and can be used in achieving Leadership in Energy and Environmental Design (LEED) certification. For more information, contact SCAFCO at 509-789-8669 or Technical@SCAFCO.com.

## American Society for Testing and Materials (ASTM)

- **A653**
  Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated by the Hot-Dip Process
- **A924**
  Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process
- **A1003**
  Standard Specification for Steel Sheet, Carbon, Metallic-Coated for Cold-Formed Framing Members
- **C645**
  Standard Specification for Nonstructural Steel Framing Members
- **C754***
  Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products
- **C955**
  Standard Specification for Load-Bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases
- **C1007***
  Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories
- **E72**
  Standard Test Methods of Conducting Strength Tests of Panels for Building Construction
- **E90**
  Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- **E119**
  Standard Test Methods for Fire Tests of Building Construction and Materials

*For referenced ASTM standards, visit the ASTM website at www.astm.org, or contact ASTM Customer Service at service@astm.org.*

**SCAFCO Recommended Installation Methods*

# PLC4
## Bypass Slab Slide Clip

### Product Application

The PLC4 bypass clip is a premium option for bypass curtain wall connections. The PLC4's advanced design provides secure attachment to the main building structure while allowing seamless vertical deflection. The bypass clip has multiple features specifically designed to improve the user experience.

### Premium Product

- Quicker installation (custom screws)
- Safer material handling (coped corners)
- Increased load capacity

### Profile Features

The PLC4 Bypass Clip has been engineered to provide the greatest allowable loads in the industry. With input from the contractor, the clip is also designed to be user friendly and save labor. The following features help make this product the leader in the industry:

Movement

- Deflection slots
  - *2¼" slots (allows for 2" of total deflection)*
- Proprietary Screws
  - *Shouldered screws are provided for ease of installation*

Strength

- Stiffening lips and ribs
  - *Increased compression strength for high wind loads*
  - *Stiffened clip face for ease of installation*
- Support gussets
  - *Support gussets for transfer of tension forces from connection through the supporting structure*

Versatility

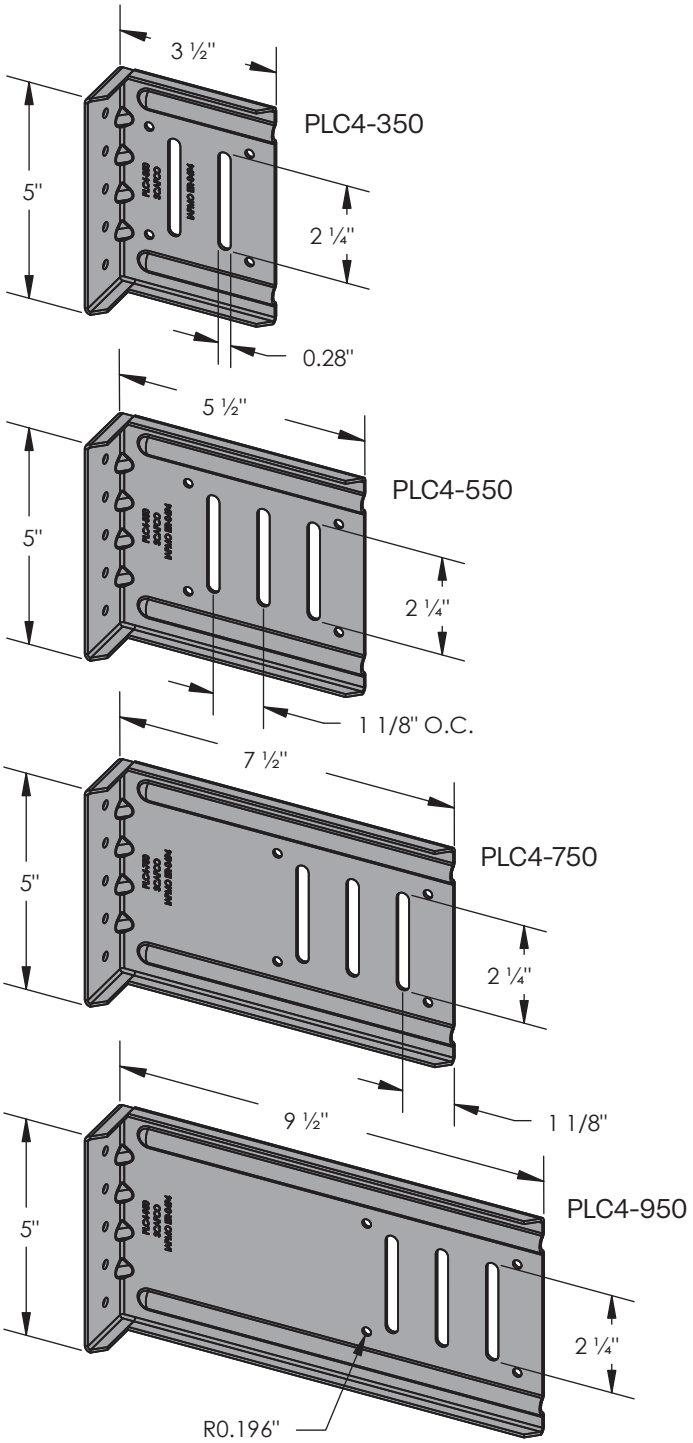
- Secure attachment
  - *4 pre-drilled holes for optional secure attachment*
  - *One clip for multiple uses to save labor on the job site*
- Pre-punched holes
  - *Pre-punched holes for multiple attachment methods to structure*

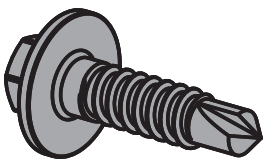
Safety

- Coped corners
  - *Fewer sharp corners for reduced possibility of field injury*

### Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *68 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- #14 Shouldered screw
  - *ASTM C1513*
  - *C1022 case hardened steel*
  - *Zinc plated coating*
  - *1000 hours salt spray life*
  - *Exceeds standard screw life by over 10X*

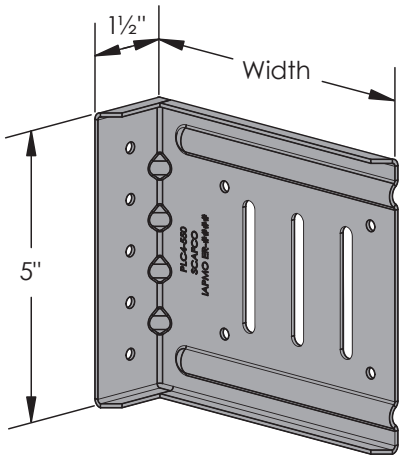


**#14 Shouldered Screw**
(included)

IAPMO UNIFORM ER 0494

# PLC4
# Bypass Slab Slide Clip




## Quantity / Order Information

| Part No. | Width | Qty / Stack | Lbs / Stack |
|---|---|---|---|
| PLC4-350 | 3 ½" | 35 | 19 |
| PLC4-550 | 5 ½" | 35 | 26 |
| PLC4-750 | 7 ½" | 35 | 34 |
| PLC4-950 | 9 ½" | 25 | 30 |

*All PLC4 clips include shouldered screws.*
*Additional lengths available upon request.*

## Allowable Loads

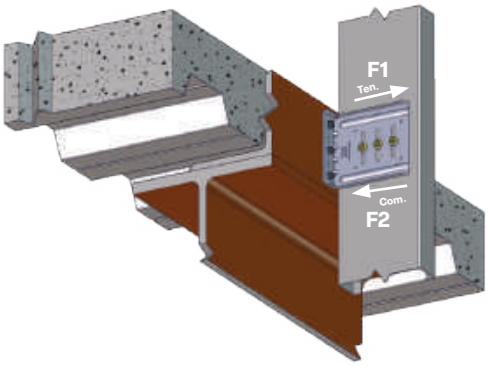
| Part No. | Allowable Loads (lbs) F1/F2-Direction (See Illustration) | | | | |
|---|---|---|---|---|---|
| | Stud Properties | | | 2 #14 Screws | |
| | Thickness (mil) | Gauge | Fy (ksi) | F1 (lbs) | F2 (lbs) |
| PLC4 350 | 33EQS | 20 | 57 | 485 | 510 |
| | 33 | 20 | 33 | 485 | 510 |
| | 43EQS | 18 | 57 | 601 | 621 |
| | 43 | 18 | 33 | 601 | 621 |
| | 54 | 16 | 50 | 928 | 935 |
| | 68 | 14 | 50 | 1242 | 1086 |
| | 97 | 12 | 50 | 1242 | 1086 |
| | 118 | 10 | 50 | 1242 | 1086 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 1242 lbs (Tension) | |

| Part No. | Allowable Loads (lbs) F1/F2-Direction (See Illustration) | | | | | | |
|---|---|---|---|---|---|---|---|
| | Stud Properties | | | 2 #14 Screws | | 3 #14 Screws | |
| | Thickness (mil) | Gauge | Fy (ksi) | F1 (lbs) | F2 (lbs) | F1 (lbs) | F2 (lbs) |
| PLC4 550 750 950 | 33EQS | 20 | 57 | 485 | 510 | 738 | 784 |
| | 33 | 20 | 33 | 485 | 510 | 738 | 784 |
| | 43EQS | 18 | 57 | 601 | 621 | 950 | 1006 |
| | 43 | 18 | 33 | 601 | 621 | 950 | 1006 |
| | 54 | 16 | 50 | 928 | 935 | 1367 | 1411 |
| | 68 | 14 | 50 | 1242 | 1086 | 1480 | 1986 |
| | 97 | 12 | 50 | 1242 | 1086 | 1480 | 1986 |
| | 118 | 10 | 50 | 1242 | 1086 | 1480 | 1986 |
| Maximum Allowable Clip Capacity | | | | Max F2 = 1986 lbs (Compression) | | | |

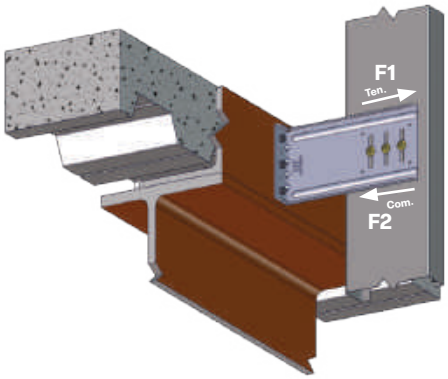
*For SI: 1 mil = 0.0254 mm, 1 inch = 25.4 mm, 1 lb = 4.45N*

### Table Notes

1. SCAFCO proprietary #14 shouldered screws described in section 3.2.2 of IAPMO ER 0494 must be used for allowable loads.
2. Allowable loads are minimum of ASD allowable loads from testing and 1/8" relative deflection service limit.
3. Reference figures to the right for load direction: F1 - Loads shown indicate tension force resistance. F2 - Loads shown indicate compression force resistance.
4. Number of screws shall be designated by design professional to meet loading conditions.




**Typical PLC4 Installation**




**Typical Stud Offset from Structure Installation**

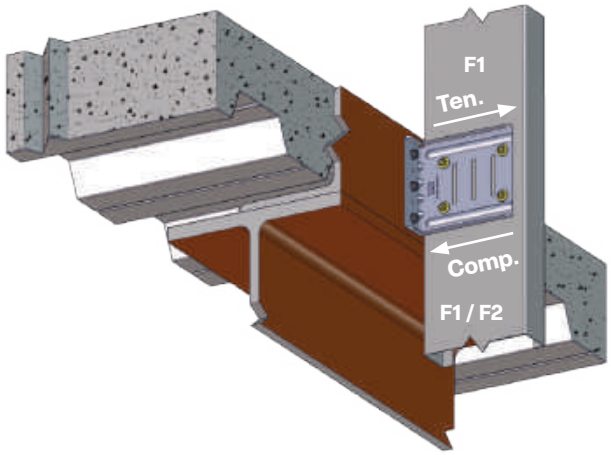
IAPMO UNIFORM ER 0494

# PLC4
# Bypass Slab Slide Clip

## Secure Installation Instructions

PLC4 clips are multi-functional and have both deflection and secure attachment capabilities for bypass framing. The clips come pre-punched with 4 secure connection holes. Some important considerations for installation:

- Ensure the structural face that the PLC4 will be attaching to is square and free of debris.
- Pre-punched holes in the short leg are designed for size #10 fasteners.
- Attach the stud through the pre-punched holes with #10 self-tapping screws.




PLC4 Secure Attachment

## Secure Attachment Allowable Loads

| Part No. | Allowable Loads (lbs) F1 / F2-Direction (See Illustration Above) | | | | | | |
|---|---|---|---|---|---|---|---|
| | Stud Properties | | | 2 #10 Screws | | 4 #10 Screws | |
| | Thickness (mil) | Gauge | Fy (ksi) | Tension (lbs) | Compression (lbs) | Tension (lbs) | Compression (lbs) |
| PLC4 350 | 33EQS | 20 | 57 | 353 | 353 | 485 | 510 |
| | 33 | 20 | 33 | 353 | 353 | 707 | 707 |
| | 43EQS | 18 | 57 | 526 | 526 | 601 | 621 |
| | 43 | 18 | 33 | 526 | 526 | 601 | 621 |
| | 54 | 16 | 50 | 928 | 935 | 928 | 935 |
| | 68 | 14 | 50 | 1242 | 1086 | 1242 | 1086 |
| | 97 | 12 | 50 | 1242 | 1086 | 1242 | 1086 |
| | 118 | 10 | 50 | 1242 | 1086 | 1242 | 1086 |

| Part No. | Allowable Loads (lbs) F1 / F2 - Direction (See Illustration Above) | | | | | | |
|---|---|---|---|---|---|---|---|
| | Stud Properties | | | 2 #10 Screws | | 4 #10 Screws | |
| | Thickness (mil) | Gauge | Fy (ksi) | Tension (lbs) | Compression (lbs) | Tension (lbs) | Compression (lbs) |
| PLC4 550 750 950 | 33EQS | 20 | 57 | 353 | 353 | 707 | 707 |
| | 33 | 20 | 33 | 353 | 353 | 707 | 707 |
| | 43EQS | 18 | 57 | 526 | 526 | 950 | 1006 |
| | 43 | 18 | 33 | 526 | 526 | 950 | 1006 |
| | 54 | 16 | 50 | 928 | 935 | 1367 | 1411 |
| | 68 | 14 | 50 | 1242 | 1086 | 1480 | 1986 |
| | 97 | 12 | 50 | 1242 | 1086 | 1480 | 1986 |
| | 118 | 10 | 50 | 1242 | 1086 | 1480 | 1986 |

*For SI: 1 mil = 0.0254 mm, 1 inch = 25.4 mm, 1 lb = 4.45N*

### Table Notes

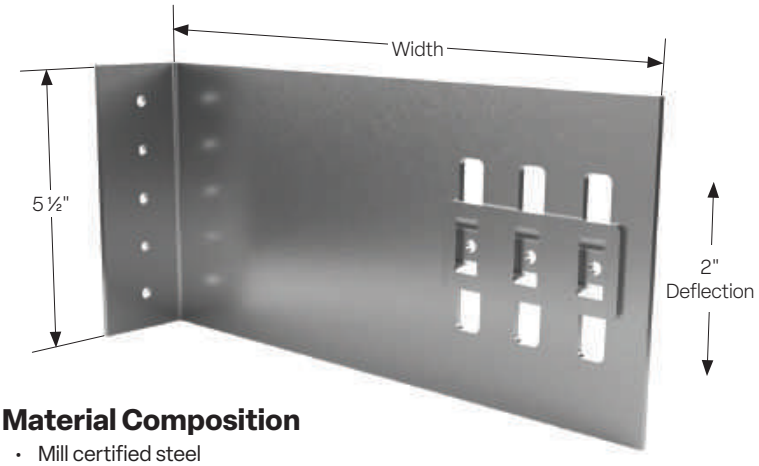
1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the lesser of the screw capacities, per AISI S100, and those published in IAPMO ER 0494.
3. Anchorage to the supporting structure shall be analyzed by a design professional.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
6. The designer shall check the bending in the short leg of clip.

# PLC2
# Heavy-Duty Bypass Slab Slide Clip

## Product Application

The PLC2 bypass slab slide clip secures the bypass curtain wall stud to the building structure, allowing for vertical deflection while maintaining lateral rigidity.

The insert is attached to the clip, making installation quick, easy, and efficient. Clips come packaged in durable buckets for convenient handling on the jobsite. Patent No. 7478508-B2.




## Features and Benefits

- Insert allows for 2" of total vertical deflection
  - *Deflection greater than 2" is available*
- Loads based on #12 screw connection
- Large insert piece for easy installation
- Pre-punched guide holes
- Thicker steel for improved weld capacity to the structure
- Transfers horizontal load into structure
- Maintains lateral rigidity

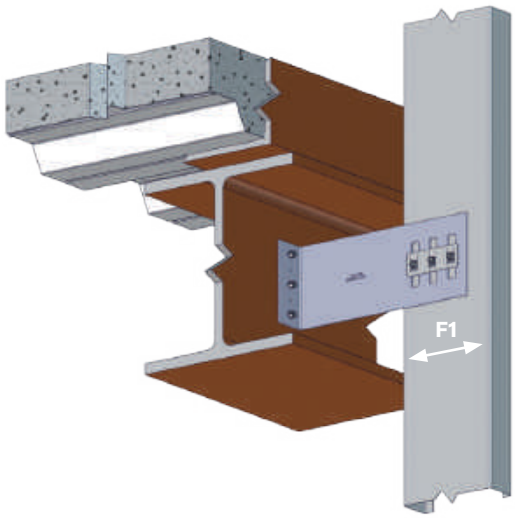
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *118 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- Insert
  - *97 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| PLC2-550 | 5 ½" | 30 | 54 |
| PLC2-750 | 7 ½" | 25 | 54 |
| PLC2-950 | 9 ½" | 20 | 50 |
| PLC2-1150 | 11 ½" | 20 | 57 |

*All PLC2 clips include insert. Additional lengths available upon request.*




## Allowable Loads

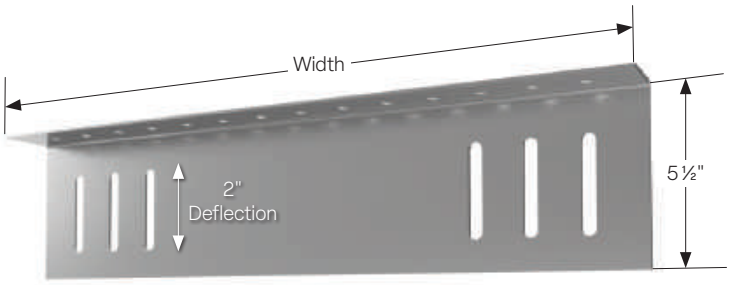
| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #12 Screws | 3 #12 Screws |
| PLC2 550 750 | 33EQS | 20 | 57 | 429 | 643 |
| | 33 | 20 | 33 | 377 | 565 |
| | 43EQS | 18 | 57 | 677 | 1015 |
| | 43 | 18 | 33 | 561 | 841 |
| | 54 | 16 | 50 | 1139 | 1709 |
| | 68 | 14 | 50 | 1610 | 1975 |
| | 97 | 12 | 50 | 1975 | 1975 |
| | 118 | 10 | 50 | 1975 | 1975 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 1975 lbs | |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #12 Screws | 3 #12 Screws |
| PLC2 950 1150 | 33EQS | 20 | 57 | 429 | 643 |
| | 33 | 20 | 33 | 377 | 565 |
| | 43EQS | 18 | 57 | 677 | 1015 |
| | 43 | 18 | 33 | 561 | 841 |
| | 54 | 16 | 50 | 1139 | 1650 |
| | 68 | 14 | 50 | 1650 | 1650 |
| | 97 | 12 | 50 | 1650 | 1650 |
| | 118 | 10 | 50 | 1650 | 1650 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 1650 lbs | |

### Allowable Loads Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable loads.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. The designer shall check the bending in the short leg of the clip.

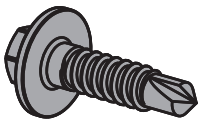
# PLS4
## Bypass Slab Slide Strut




### Product Application

The PLS4 bypass slab slide strut secures the bypass curtain wall stud to the building structure, allowing for vertical deflection while maintaining lateral rigidity. The strut provides a non-frictional connection and prevents vertical load transfer into the curtain wall.

Struts 12" in length or shorter come packaged in durable buckets for convenient handling on the jobsite. The PLS4 is designed to replace the PLS3 clip.



**#14 Shouldered Screw**
(included)

### Features and Benefits

- Slots allow for 2" total vertical deflection
  - *Deflection of 1" up and 1" down*
- Loads based on proprietary screws
  - *#14 shouldered screws are provided for ease of installation*
- Pre-punched guide holes
- Transfers horizontal load into structure
- Maintains lateral rigidity

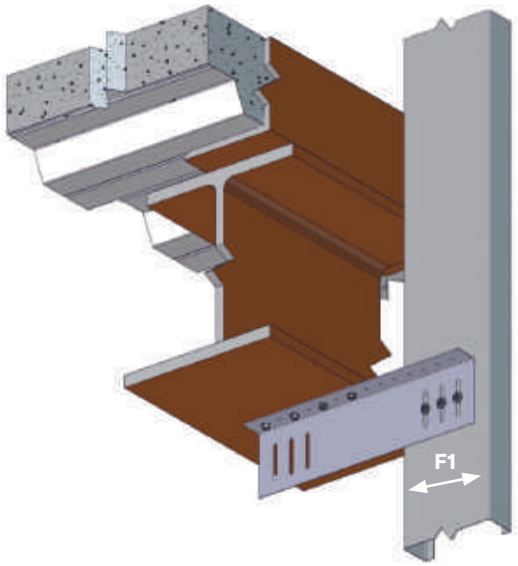
### Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *68 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- #14 Shouldered screw
  - *ASTM C1513*
  - *C1022 case hardened steel*
  - *Zinc plated coating*
  - *1000 hours salt spray life*
  - *Exceeds standard screw life by over 10X*

### Quantity / Order Information

| Part No. | Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| PLS4-900 | 9" | 35 | 54 |
| PLS4-1200 | 12" | 30 | 59 |
| PLS4-1500 | 15" | - | - |
| PLS4-1800 | 18" | - | - |
| PLS4-2000 | 20" | - | - |

*Additional lengths available upon request.*
*Stiffening lip added for struts 20" in length and over.*




### Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #14 Screws | 3 #14Screws |
| PLS4 | 33EQS | 20 | 57 | 429 | 643 |
| | 33 | 20 | 33 | 377 | 565 |
| | 43EQS | 18 | 57 | 677 | 1015 |
| | 43 | 18 | 33 | 561 | 841 |
| | 54 | 16 | 50 | 1139 | 1709 |
| | 68 | 14 | 50 | 1610 | 2180 |
| | 97 | 12 | 50 | 2180 | 2180 |
| | 118 | 10 | 50 | 2180 | 2180 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 2180 lbs | |

#### Table Notes

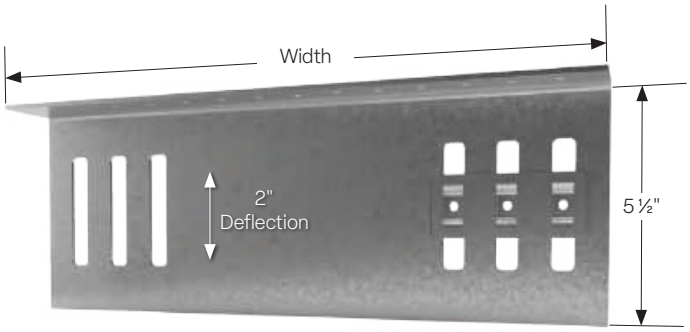
1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable loads.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. The designer shall check the bending in the short leg of the clip.

# PLS2
# Heavy-Duty Bypass Slab Slide Strut

## Product Application

The PLS2 bypass slab slide strut secures the bypass curtain wall stud to the building structure, allowing for vertical deflection while maintaining lateral rigidity. The strut provides a non-frictional connection and prevents vertical load transfer into the curtain wall.

The insert is attached to the clip, making installation quick, easy, and efficient.
Patent No. 7478508-B2




## Features and Benefits

- Insert allows for 2" total vertical deflection
  - *Deflection greater than 2" is available*
- Loads based on #12 screws
- Large insert piece for easy installation
- Pre-punched guide holes
- Thicker steel for improved weld capacity to the structure
- Transfers horizontal load into structure
- Maintains lateral rigidity

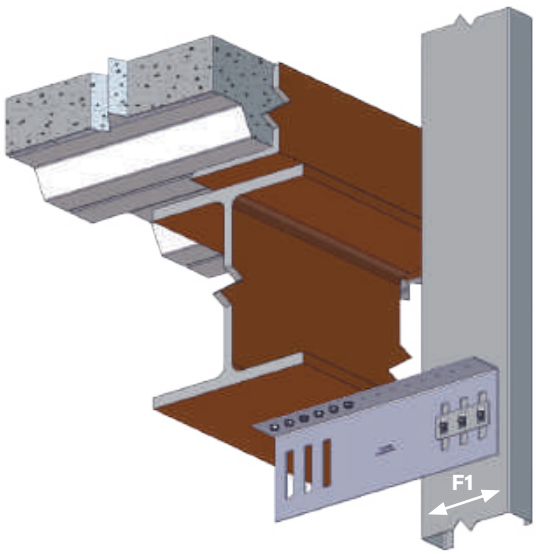
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *118 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- Insert
  - *97 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Left / Right Handed | Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|---|
| PLS2-900 | (L) or (R) | 9" | 20 | 53 |
| PLS2-1200 | (L) or (R) | 12" | 15 | 51 |
| PLS2-1500 | (L) or (R) | 15" | - | - |
| PLS2-1800 | (L) or (R) | 18" | - | - |
| PLS2-2000 | (L) or (R) | 20" | - | - |

*All PLS2 struts include insert. Additional lengths available upon request.*
*Stiffening lip added for struts 20" in length and over.*




PLS2: Shown as Right Handed Strut.

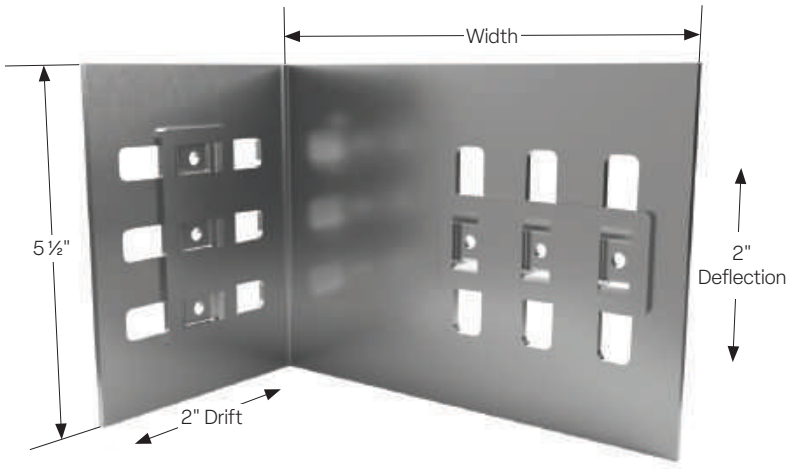
## Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #12 Screws | 3 #12Screws |
| PLS2 | 33EQS | 20 | 57 | 429 | 643 |
| | 33 | 20 | 33 | 377 | 565 |
| | 43EQS | 18 | 57 | 677 | 1015 |
| | 43 | 18 | 33 | 561 | 841 |
| | 54 | 16 | 50 | 1139 | 1709 |
| | 68 | 14 | 50 | 1610 | 2275 |
| | 97 | 12 | 50 | 2275 | 2275 |
| | 118 | 10 | 50 | 2275 | 2275 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 2275 lbs | |

### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable loads.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. The designer shall check the bending in the short leg of clip.

# DPLC2
## Bypass Slab Drift Clip




### Product Application

The DPLC2 bypass slab drift clip secures the bypass curtain wall stud to the building structure, allowing for vertical deflection and lateral drift.

The inserts are attached to the clip, making installation quick, easy, and efficient. Clips come packaged in durable buckets for convenient handling on the jobsite. Patent No. 7478508-B2

### Features and Benefits

- Insert allows for 2" total vertical deflection and 2" lateral drift
  - *Deflection greater than 2" is available*
- Loads based on #12 screw connection
- Large insert pieces for easy installation
- Pre-punched guide holes
- Transfers horizontal load into structure

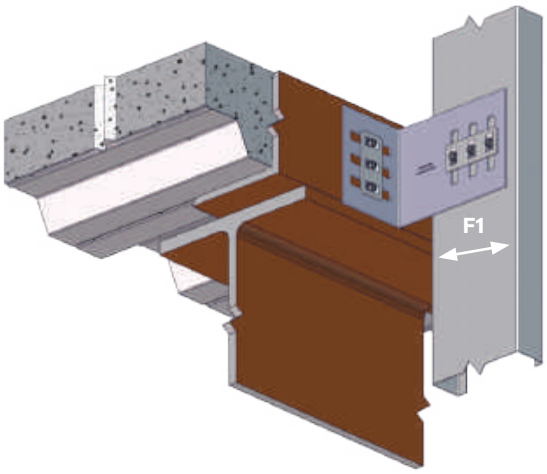
### Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *118 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- Insert
  - *97 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

### Quantity / Order Information

| Part No. | Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| DPLC2-550 | 5 ½" | 20 | 56 |
| DPLC2-750 | 7 ½" | 15 | 48 |
| DPLC2-950 | 9 ½" | 15 | 53 |
| DPLC2-1150 | 11 ½" | 15 | 58 |

*All DPLC2 clips include inserts. Additional lengths available upon request.*




### Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #12 Screws* | 3 #12 Screws* |
| DPLC2 550 750 | 33EQS | 20 | 57 | 429 | 643 |
| | 33 | 20 | 33 | 377 | 565 |
| | 43EQS | 18 | 57 | 677 | 905 |
| | 43 | 18 | 33 | 561 | 841 |
| | 54 | 16 | 50 | 905 | 905 |
| | 68 | 14 | 50 | 905 | 905 |
| | 97 | 12 | 50 | 905 | 905 |
| | 118 | 10 | 50 | 905 | 905 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 905 lbs | |

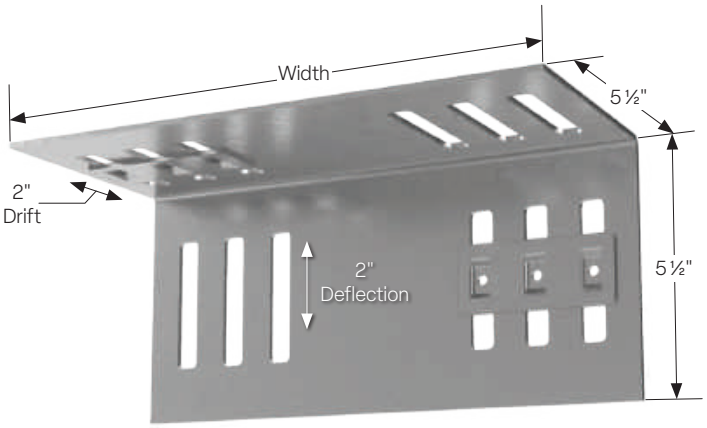
| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #12 Screws* | 3 #12 Screws* |
| DPLC2 950 1150 | 33EQS | 20 | 57 | 429 | 643 |
| | 33 | 20 | 33 | 377 | 565 |
| | 43EQS | 18 | 57 | 677 | 677 |
| | 43 | 18 | 33 | 561 | 841 |
| | 54 | 16 | 50 | 895 | 895 |
| | 68 | 14 | 50 | 895 | 895 |
| | 97 | 12 | 50 | 895 | 895 |
| | 118 | 10 | 50 | 895 | 895 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 895 lbs | |

**Number of screws per insert*

#### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable loads.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. Loads are for attachment of DPLC2 drift clip to stud only.

# DPLS2
# Bypass Slab Drift Strut




## Product Application

The DPLS2 bypass slab slide clip secures the bypass curtain wall stud to the building structure, allowing for vertical deflection and lateral drift.

The inserts are attached to the strut, making installation quick, easy, and efficient.
Patent No. 7478508-B2

## Features and Benefits

- Insert allows for 2" total vertical deflection and 2" lateral drift
  - *Deflection greater than 2" is available*
- Loads based on #12 screw connection
- Large insert pieces for easy installation
- Pre-punched guide holes
- Transfers horizontal load into structure

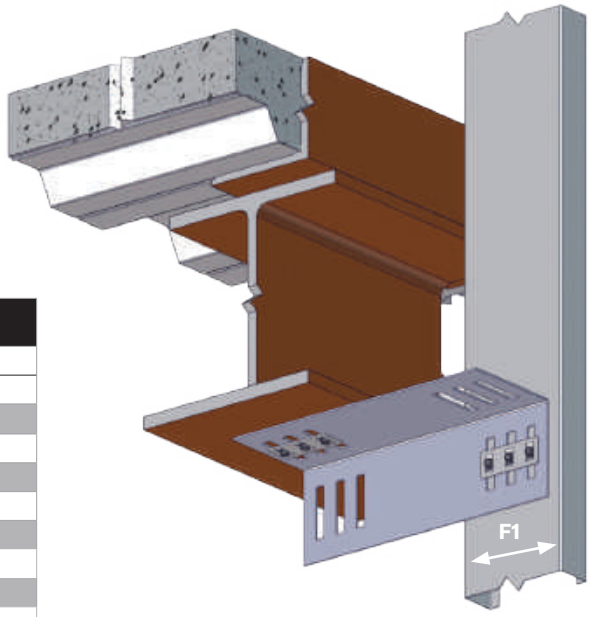
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *118 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- Insert
  - *97 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Left / Right Handed | Width |
|---|---|---|
| DPLS2-1200 | (L) or (R) | 12" |
| DPLS2-1500 | (L) or (R) | 15" |
| DPLS2-1800 | (L) or (R) | 18" |
| DPLS2-2000 | (L) or (R) | 20" |

*All DPLS2 struts include insert. Additional lengths available upon request.*




DPLS2: Shown as Right Handed Strut.

## Allowable Loads

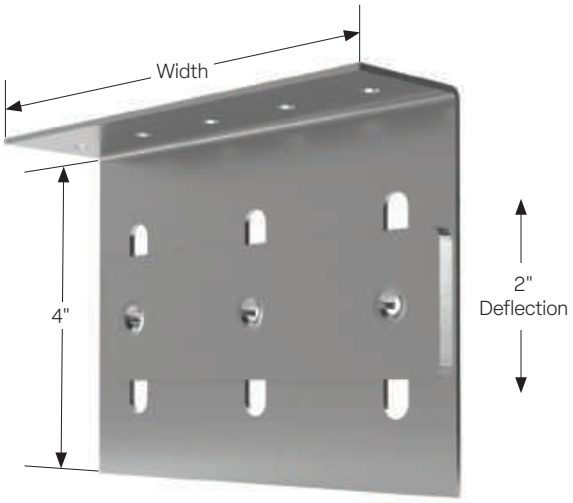
| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #12 Screws* | 3 #12 Screws* |
| DPLS2 | 33EQS | 20 | 57 | 429 | 643 |
| | 33 | 20 | 33 | 377 | 565 |
| | 43EQS | 18 | 57 | 677 | 1015 |
| | 43 | 18 | 33 | 561 | 841 |
| | 54 | 16 | 50 | 1139 | 1709 |
| | 68 | 14 | 50 | 1610 | 1950 |
| | 97 | 12 | 50 | 1950 | 1950 |
| | 118 | 10 | 50 | 1950 | 1950 |
| **Maximum Allowable Clip Capacity** | | | | **Max F1 = 1950 lbs** | |

**Number of screws per insert*

### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable loads.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. Loads are for attachment of DPLS2 drift clip to stud only.

# ESC
# Head-of-Wall Clip




## Product Application

The ESC head-of-wall slide clip attaches the stud to the top track, which is fastened to the building structure, allowing for vertical deflection. This clip maintains lateral rigidity and provides a low friction connection, preventing vertical load transfers into the wall.

The insert is attached to the clip, making installation quick, easy, and efficient. Clips come packaged in durable buckets for convenient handling on the jobsite.

## Features and Benefits

- Insert allows for 2" total vertical deflection
  - *Deflection of 1" up and 1" down*
- Loads based on #10 screw connection
- Large insert piece for easy installation
- Pre-punched guide holes
- Transfers horizontal load into structure
- Maintains lateral rigidity
- Provides positive attachment at each stud

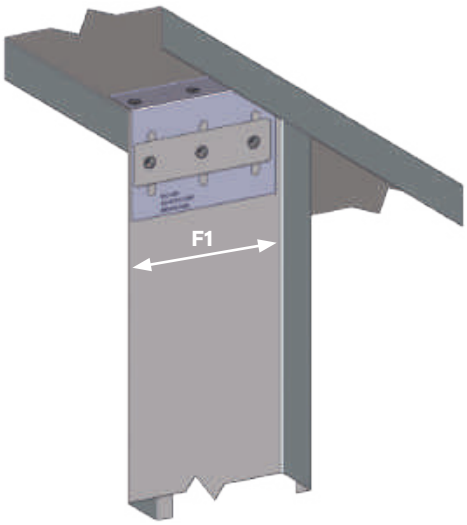
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *68 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- Insert
  - *97 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| ESC337 | 3 ⅜" | 100 | 50 |
| ESC550 | 5 ½" | 50 | 40 |
| ESC750 | 7 ½" | 50 | 55 |
| ESC950 | 9 ½" | 30 | 42 |
| ESC1150 | 11 ½" | 30 | 51 |

*All ESC slide clips include insert. Additional lengths available upon request.*




## Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) |
|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws |
| ESC 337 | 33EQS | 20 | 57 | 402 |
| | 33 | 20 | 33 | 353 |
| | 43EQS | 18 | 57 | 635 |
| | 43 | 18 | 33 | 526 |
| | 54 | 16 | 50 | 830 |
| | 68 | 14 | 50 | 830 |
| | 97 | 12 | 50 | 830 |
| | 118 | 10 | 50 | 830 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 830 lbs |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 3 #10 Screws |
| ESC 550 750 950 1150 | 33EQS | 20 | 57 | 402 | 603 |
| | 33 | 20 | 33 | 353 | 530 |
| | 43EQS | 18 | 57 | 635 | 952 |
| | 43 | 18 | 33 | 526 | 789 |
| | 54 | 16 | 50 | 1068 | 1602 |
| | 68 | 14 | 50 | 1510 | 1855 |
| | 97 | 12 | 50 | 1855 | 1855 |
| | 118 | 10 | 50 | 1855 | 1855 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 1855 lbs | |

### Table Notes

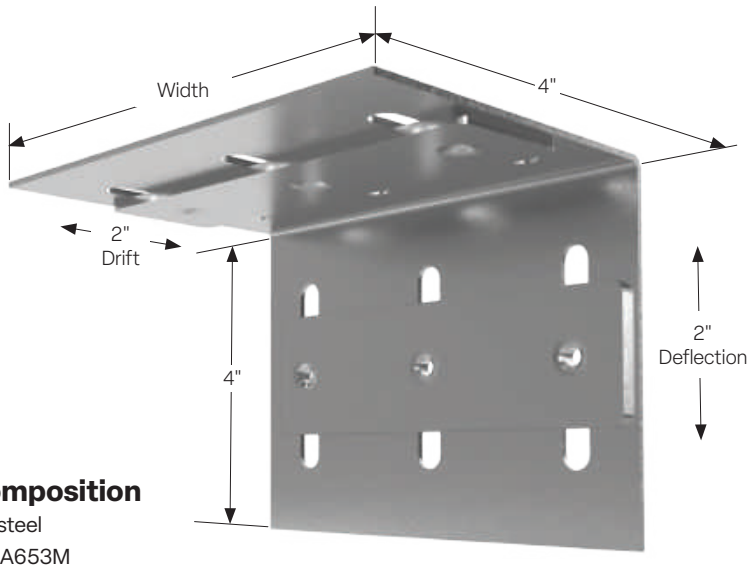
1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. The designer shall check the bending in the short leg of the clip.

# DESC
# Head-of-Wall Drift Clip

## Product Application

The DESC head-of-wall drift clip attaches the stud to the top track, which is fastened to the building structure. This clip allows for vertical deflection and lateral drift while preventing vertical load transfers into the curtain wall.

The inserts are attached to the clip, making installation quick, easy, and efficient. Clips come packaged in durable buckets for convenient handling on the jobsite.




## Features and Benefits

- Insert allows for 2" total vertical deflection and 2" lateral drift
  - *Deflection / drift greater than 2" is available*
- Loads based on #10 screw connection
- Pre-punched guide holes
- Transfers horizontal load into structure
- Provides positive attachment at each stud

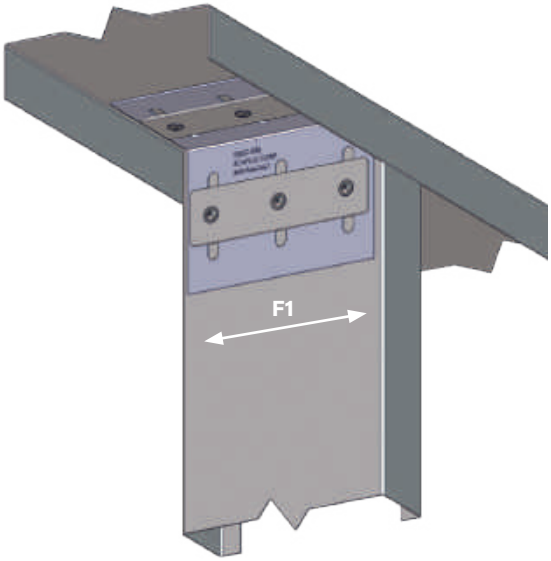
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *68 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- Insert
  - *97 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| DESC337 | 3 ⅜" | 50 | 40 |
| DESC550 | 5 ½" | 30 | 39 |
| DESC750 | 7 ½" | 30 | 53 |
| DESC950 | 9 ½" | 20 | 45 |
| DESC1150 | 11 ½" | 20 | 54 |

*All DESC slide clips include inserts. Additional lengths available upon request.*




## Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) |
|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws |
| DESC 337 | 33EQS | 20 | 57 | 402 |
| | 33 | 20 | 33 | 353 |
| | 43EQS | 18 | 57 | 635 |
| | 43 | 18 | 33 | 526 |
| | 54 | 16 | 50 | 830 |
| | 68 | 14 | 50 | 830 |
| | 97 | 12 | 50 | 830 |
| | 118 | 10 | 50 | 830 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 830 lbs |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws* | 3 #10 Screws* |
| DESC 550 | 33EQS | 20 | 57 | 402 | 603 |
| | 33 | 20 | 33 | 353 | 530 |
| | 43EQS | 18 | 57 | 635 | 795 |
| DESC 750 | 43 | 18 | 33 | 526 | 795 |
| | 54 | 16 | 50 | 795 | 795 |
| DESC 950 | 68 | 14 | 50 | 795 | 795 |
| | 97 | 12 | 50 | 795 | 795 |
| DESC 1150 | 118 | 10 | 50 | 795 | 795 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 795 lbs | |

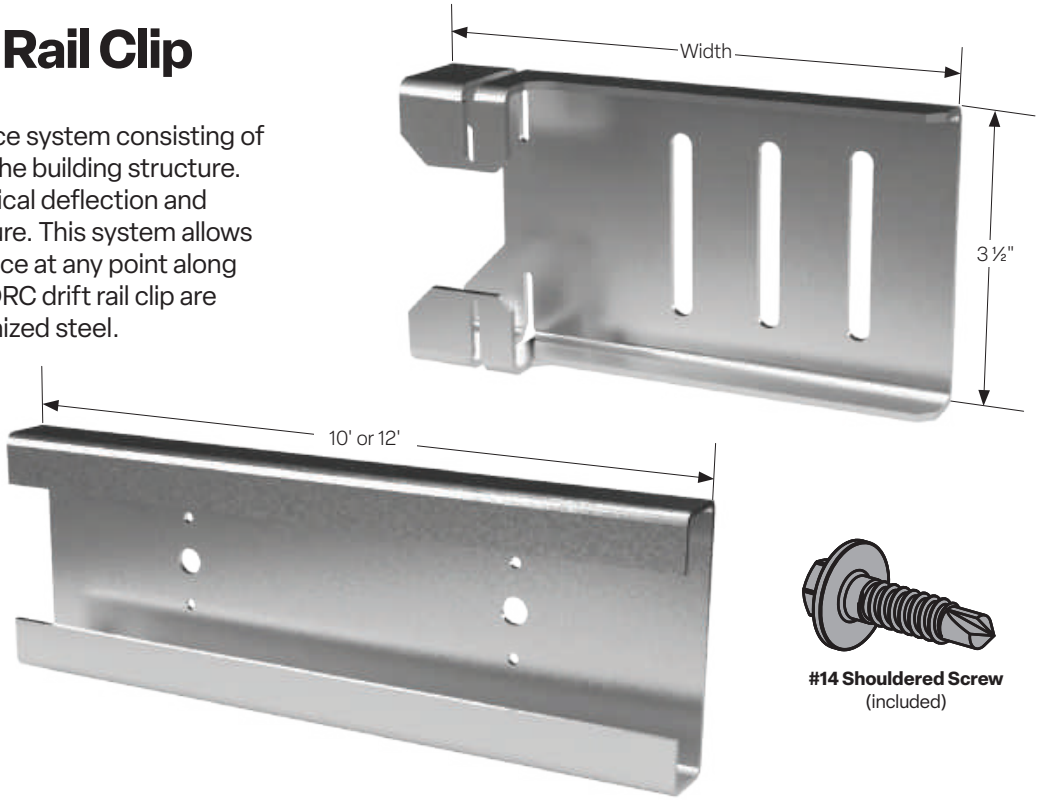
**Number of screws per insert*

### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only.
7. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.

# DR & DRC
## Drift Rail & Drift Rail Clip

The DRC drift rail clip is a two piece system consisting of a DR drift rail that is mounted to the building structure. The inserted clip DRC allows vertical deflection and lateral drift of the building structure. This system allows for the clips to be rotated into place at any point along the rail. The DR drift rail and the DRC drift rail clip are formed using 97mil (12GA) galvanized steel.






**#14 Shouldered Screw**
(included)

### Features and Benefits

- No pre-determined clip layout required with the use of the DR drift rail
- Ease of installation with the DR pre-punched Anchor Holes:
  - *Single 0.438'' and two 0.188'' holes spaced at 6'' o.c.*
- Transfers horizontal load into structure, while allowing for horizontal structural movement
- DR Flanges are pre-punched with weep holes at 6'' o.c.

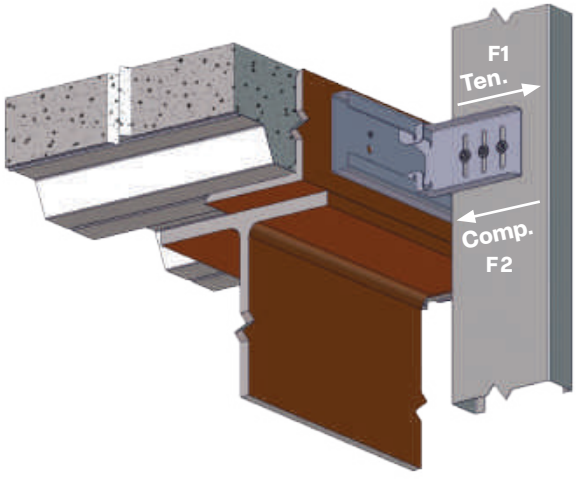
### Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *97 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- Rail
  - *97 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- #14 Shouldered screw
  - *ASTM C1513*
  - *C1022 case hardened steel*
  - *Zinc plated coating*
  - *1000 hours salt spray life*
  - *Exceeds standard screw life by over 10X*

### Quantity / Order Information

| Part No. | Width |
|---|---|
| DRC350 | 3 ½" |
| DRC550 | 5 ½" |
| DRC750 | 7 ½" |
| DRC950 | 9 ½" |

*All DRC clips include shouldered screws. Additional lengths available upon request.*



# DR & DRC
## Drift Rail & Drift Rail Clip

### Allowable Loads

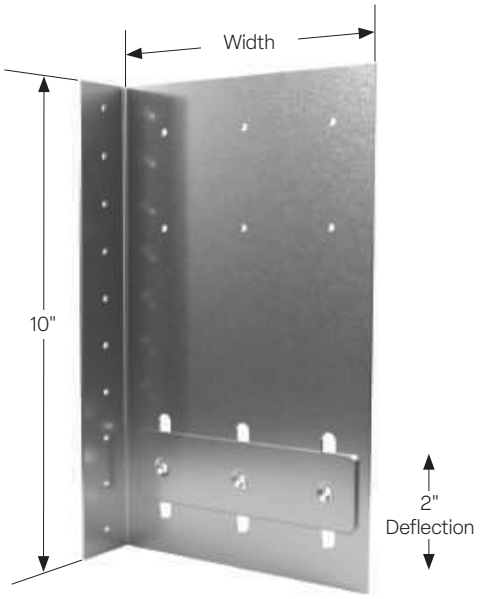
| Part No. | Allowable Loads (lbs) F1/F2 Direction (See Illustration) | | | | |
|---|---|---|---|---|---|
| | Stud Properties | | | 2 #14 Screws | |
| | Thickness (mil) | Gauge | Fy (ksi) | F1 (lbs) | F2 (lbs) |
| DRC 350 | 33EQS | 20 | 57 | 485 | 510 |
| | 33 | 20 | 33 | 485 | 510 |
| | 43EQS | 18 | 57 | 502 | 621 |
| | 43 | 18 | 33 | 502 | 621 |
| | 54 | 16 | 50 | 502 | 935 |
| | 68 | 14 | 50 | 502 | 1054 |
| | 97 | 12 | 50 | 502 | 1054 |
| | 118 | 10 | 50 | 502 | 1054 |

| Part No. | Allowable Loads (lbs) F1/F2 Direction (See Illustration) | | | | | | |
|---|---|---|---|---|---|---|---|
| | Stud Properties | | | 2 #14 Screws | | 3 #14 Screws | |
| | Thickness (mil) | Gauge | Fy (ksi) | F1 (lbs) | F2 (lbs) | F1 (lbs) | F2 (lbs) |
| DRC 550 750 950 | 33EQS | 20 | 57 | 485 | 510 | 588 | 784 |
| | 33 | 20 | 33 | 485 | 510 | 588 | 784 |
| | 43EQS | 18 | 57 | 502 | 621 | 588 | 1006 |
| | 43 | 18 | 33 | 502 | 621 | 588 | 1006 |
| | 54 | 16 | 50 | 502 | 935 | 588 | 1353 |
| | 68 | 14 | 50 | 502 | 1054 | 588 | 1353 |
| | 97 | 12 | 50 | 502 | 1054 | 588 | 1353 |
| | 118 | 10 | 50 | 502 | 1054 | 588 | 1353 |

### Table Notes

1. Allowable loads are minimum of ASD allowable loads from testing and 1/8" relative deflection service limit.
2. Allowable loads are for connection of Drift Rail Clip (DRC) to stud only.
3. Allowable loads have not been increased for wind, seismic activity, or other factors
4. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
5. Attachment and Anchorage of the Drift Rail (DR) to structure is to be designed by others.

# SSWT
# Splicing Slide Clip and Rigid Wall Tie




## Product Application

The SSWT splicing slide clip and rigid wall tie attach the bypass curtain wall stud to the building structure. This allows for vertical deflection while securely connecting another wall stud.

The insert is attached to the clip, making installation quick, easy, and efficient. Clips come packaged in durable buckets for convenient handling on the jobsite.

## Features and Benefits

- Unique insert allows for 2" total vertical deflection
  - *Deflection of 1" up and 1" down*
- Pre-punched holes for #10 framing screws
- Maintains lateral rigidity

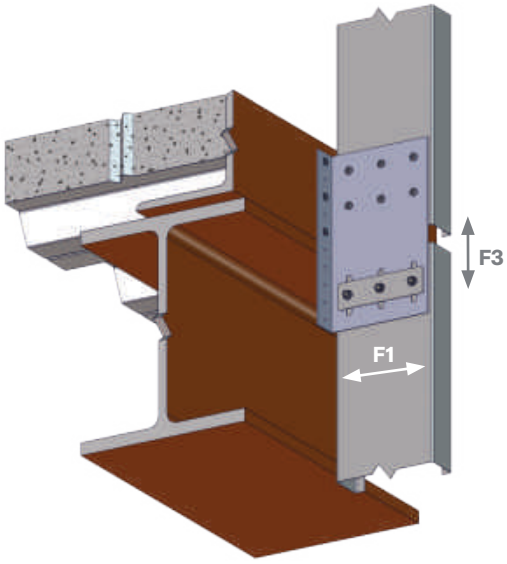
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *68 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- Insert
  - *97 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Left / Right Handed | Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|---|
| SSWT-600 | (L) or (R) | 6" | 25 | 42 |
| SSWT-800 | (L) or (R) | 8" | 25 | 54 |
| SSWT-1000 | (L) or (R) | 10" | 20 | 52 |

*All SSWT slide clips include inserts. Additional lengths available upon request.*




SSWT: Shown as Right Handed Clip.

## Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 3 #10 Screws* 3 #10 Screws | (6) #10 Screws* 3 #10 Screws |
| SSWT | 33EQS | 20 | 57 | 603 | 603 |
| | 33 | 20 | 33 | 530 | 530 |
| | 43EQS | 18 | 57 | 952 | 952 |
| | 43 | 18 | 33 | 789 | 789 |
| | 54 | 16 | 50 | 1378 | 1378 |
| | 68 | 14 | 50 | 1378 | 1378 |
| | 97 | 12 | 50 | 1378 | 1378 |
| | 118 | 10 | 50 | 1378 | 1378 |
| **Maximum Allowable Clip Capacity** | | | | **Max F1 = 1378 lbs** | |

| Part No. | Stud Properties | | | F3 Allowable Loads (lbs) for Upper Half | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 3 #10 Screws | 6 #10 Screws |
| SSWT | 33EQS | 20 | 57 | 603 | 1206 |
| | 33 | 20 | 33 | 530 | 1060 |
| | 43EQS | 18 | 57 | 952 | 1904 |
| | 43 | 18 | 33 | 789 | 1578 |
| | 54 | 16 | 50 | 1602 | 2350 |
| | 68 | 14 | 50 | 2266 | 2350 |
| | 97 | 12 | 50 | 2350 | 2350 |
| | 118 | 10 | 50 | 2350 | 2350 |
| **Maximum Allowable Clip Capacity** | | | | **Max F3 = 2350 lbs** | |

** Upper secure attachment holes.*

### Table Notes

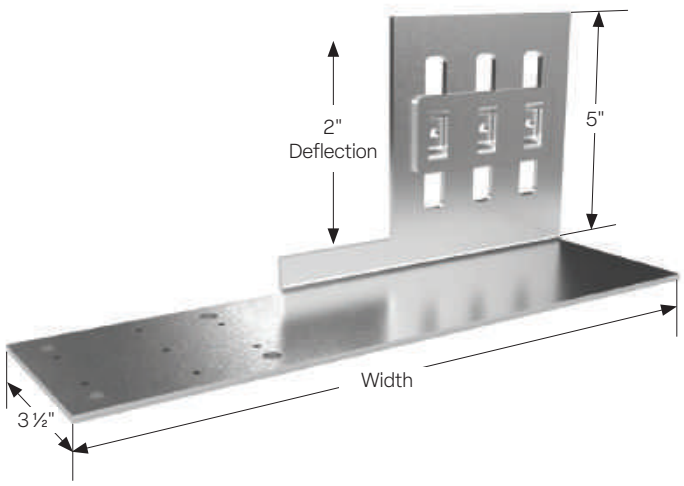
1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. The designer shall check the bending in the short leg of the clip.

# STP
# Bypass Slab Top Plate

## Product Application

The STP bypass slab top plate attaches the bypass curtain wall stud to the building structure, allowing for vertical deflection while maintaining lateral rigidity. This slide strut provides a non-frictional connection and prevents vertical load transfers into the curtain wall.

The insert is attached to the clip, making installation quick, easy, and efficient.




## Features and Benefits

- Unique insert allows for 2" total vertical deflection
  - *Deflection of 1" up and 1" down*
- Pre-punched holes for #12 framing screws
- Maintains lateral rigidity
- Clips come pre-punched with (4) 0.300" holes and (7) 0.125" holes

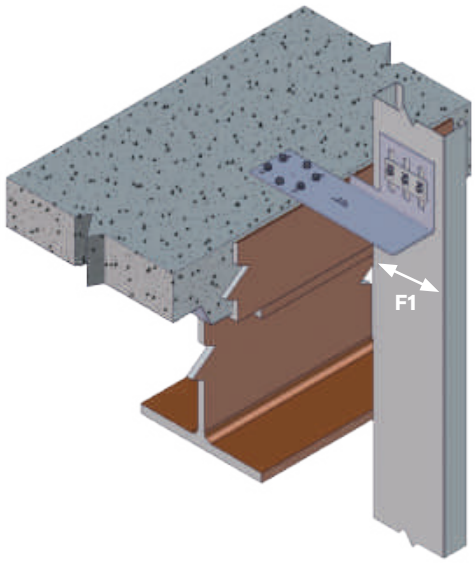
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
  - *118 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- Insert
  - *97 mil material thickness*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Width |
|---|---|
| STP-900 | 9" |
| STP-1200 | 12" |
| STP-1500 | 15" |
| STP-1800 | 18" |
| STP-2000 | 20" |

*All STP struts include inserts. Additional lengths available upon request.*




## Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) |
|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 3 #12 Screws |
| STP 900 1200 1500 | 33EQS | 20 | 57 | 565 |
| | 33 | 20 | 33 | 565 |
| | 43EQS | 18 | 57 | 841 |
| | 43 | 18 | 33 | 841 |
| | 54 | 16 | 50 | 841 |
| | 68 | 14 | 50 | 841 |
| | 97 | 12 | 50 | 841 |
| | 118 | 10 | 50 | 841 |
| **Maximum Allowable Clip Capacity** | | | | **Max F1 = 841 lbs** |

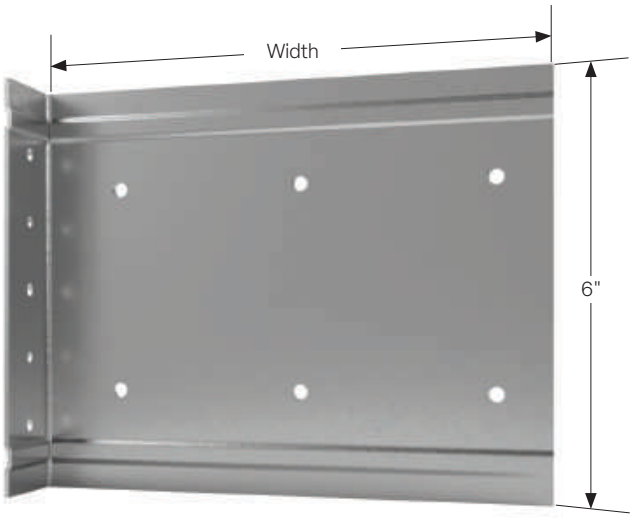
| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) |
|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 3 #12 Screws |
| STP 1800 2000 | 33EQS | 20 | 57 | 565 |
| | 33 | 20 | 33 | 565 |
| | 43EQS | 18 | 57 | 757 |
| | 43 | 18 | 33 | 757 |
| | 54 | 16 | 50 | 757 |
| | 68 | 14 | 50 | 757 |
| | 97 | 12 | 50 | 757 |
| | 118 | 10 | 50 | 757 |
| **Maximum Allowable Clip Capacity** | | | | **Max F1 = 757 lbs** |

** Number of screws per insert*

### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. The designer shall check the bending in the structural attachment leg of the clip.

# AC
# Bypass Slab Secure Clip




## Product Application

The AC bypass slab secure clip connects an exterior wall stud to the building structure. Depending on the material properties of the structure and the proposed design, the AC secure clip may be attached to the structure with either an approved fastener or a weld.

AC secure clips are designed to resist horizontal and vertical loads. Clips come packaged in durable buckets for convenient handling on the jobsite.

## Features and Benefits

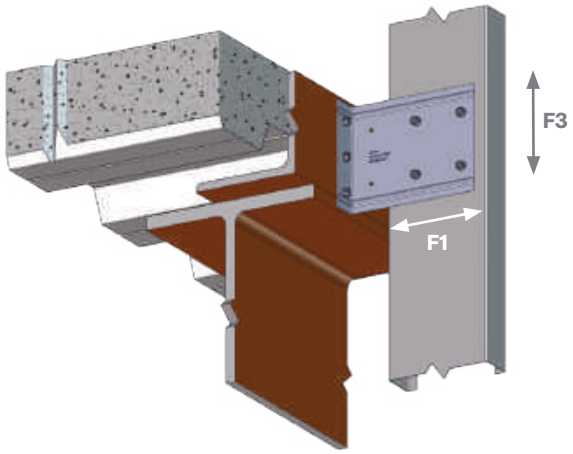
- Variety of lengths available
- Ribbed legs for additional strength
- Loads based on #10 screws
- Pre-punched guide holes
- Transfers horizontal load into structure
- Maintains lateral rigidity

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

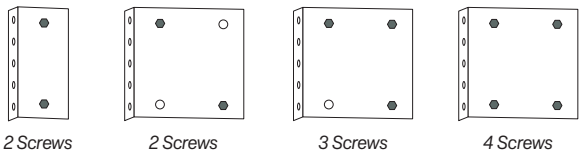
| Part No. | Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| AC250 | 2 ½" | 50 | 23 |
| AC350 | 3 ½" | 50 | 29 |
| AC550 | 5 ½" | 50 | 41 |
| AC750 | 7 ½" | 50 | 52 |
| AC950 | 9 ½" | 35 | 45 |




## Screw Pattern Configurations

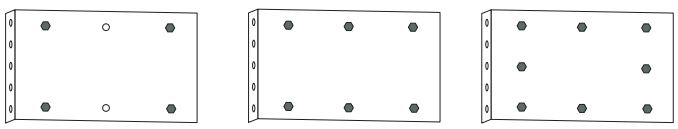
Not all detailed screw locations have pre-punched holes.
Please refer to clip drawing for pre-punched hole configurations.

### AC250, AC350, and AC550



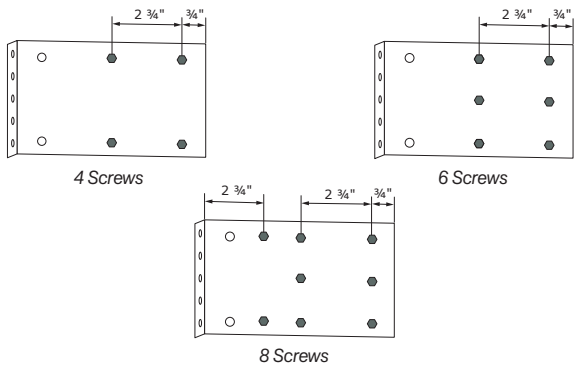
*2 Screws* *2 Screws* *3 Screws* *4 Screws*

### AC750



*4 Screws* *6 Screws* *8 Screws*

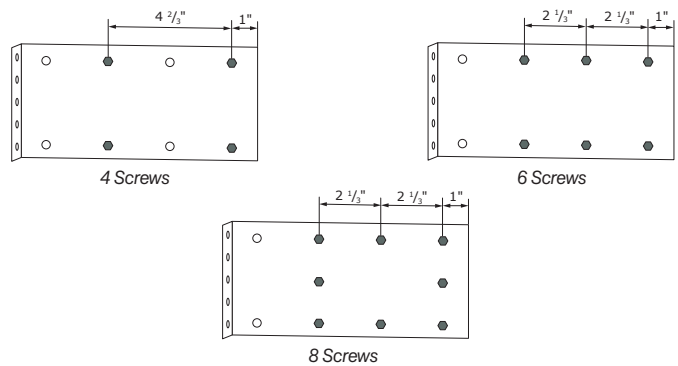
### AC750 with 2" offset




*4 Screws* *6 Screws*

*8 Screws*

### AC950 with 2" offset




*4 Screws* *6 Screws*

*8 Screws*

# AC
# Bypass Slab Secure Clip Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 3 #10 Screws | 4 #10 Screws | 2 #10 Screws | 3 #10 Screws | 4 #10 Screws |
| AC 250 350 550 | 33EQS | 20 | 57 | 402 | 603 | 804 | 402 | 603 | 804 |
| | 33 | 20 | 33 | 353 | 530 | 707 | 353 | 530 | 707 |
| | 43EQS | 18 | 57 | 635 | 952 | 1269 | 635 | 952 | 1269 |
| | 43 | 18 | 33 | 526 | 789 | 1052 | 526 | 789 | 1052 |
| | 54 | 16 | 50 | 1068 | 1602 | 1940 | 1068 | 1602 | 1940 |
| | 68 | 14 | 50 | 1510 | 1940 | 1940 | 1510 | 1940 | 1940 |
| | 97 | 12 | 50 | 1585 | 1940 | 1940 | 1940 | 1940 | 1940 |
| | 118 | 10 | 50 | 1585 | 1940 | 1940 | 1940 | 1940 | 1940 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 1940 lbs | | | Max F3 = 1940 lbs | | |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 4 #10 Screws | 6 #10 Screws | 8 #10 Screws | 4 #10 Screws | 6 #10 Screws | 8 #10 Screws |
| AC 750 | 33EQS | 20 | 57 | 804 | 1206 | 1608 | 804 | 1206 | 1608 |
| | 33 | 20 | 33 | 707 | 1060 | 1414 | 707 | 1060 | 1414 |
| | 43EQS | 18 | 57 | 1269 | 1903 | 1940 | 1269 | 1903 | 1940 |
| | 43 | 18 | 33 | 1052 | 1578 | 1940 | 1052 | 1578 | 1940 |
| | 54 | 16 | 50 | 1940 | 1940 | 1940 | 1940 | 1940 | 1940 |
| | 68 | 14 | 50 | 1940 | 1940 | 1940 | 1940 | 1940 | 1940 |
| | 97 | 12 | 50 | 1940 | 1940 | 1940 | 1940 | 1940 | 1940 |
| | 118 | 10 | 50 | 1940 | 1940 | 1940 | 1940 | 1940 | 1940 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 1940 lbs | | | Max F3 = 1940 lbs | | |

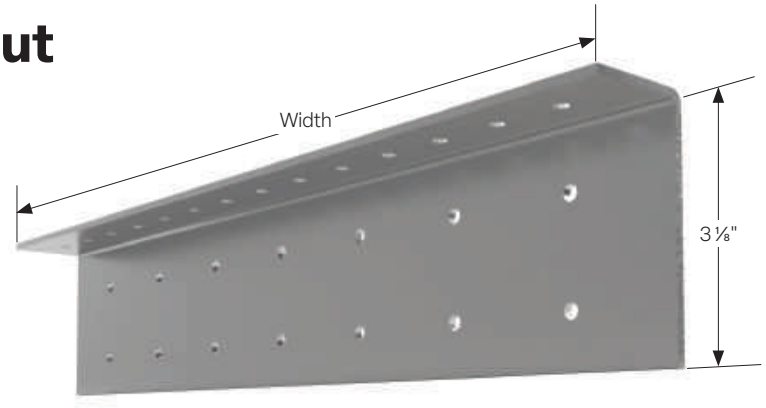
| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 4 #10 Screws | 6 #10 Screws | 8 #10 Screws | 4 #10 Screws | 6 #10 Screws | 8 #10 Screws |
| AC 750 with 2" offset | 33EQS | 20 | 57 | 804 | 1206 | 1550 | 804 | 1206 | 1550 |
| | 33 | 20 | 33 | 707 | 1060 | 1414 | 707 | 1060 | 1414 |
| | 43EQS | 18 | 57 | 1269 | 1550 | 1550 | 1269 | 1550 | 1550 |
| | 43 | 18 | 33 | 1052 | 1550 | 1550 | 1052 | 1550 | 1550 |
| | 54 | 16 | 50 | 1550 | 1550 | 1550 | 1550 | 1550 | 1550 |
| | 68 | 14 | 50 | 1550 | 1550 | 1550 | 1550 | 1550 | 1550 |
| | 97 | 12 | 50 | 1550 | 1550 | 1550 | 1550 | 1550 | 1550 |
| | 118 | 10 | 50 | 1550 | 1550 | 1550 | 1550 | 1550 | 1550 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 1550 lbs | | | Max F3 = 1550 lbs | | |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 4 #10 Screws | 6 #10 Screws | 8 #10 Screws | 4 #10 Screws | 6 #10 Screws | 8 #10 Screws |
| AC 950 with 2" offset | 33EQS | 20 | 57 | 804 | 1030 | 1030 | 804 | 1030 | 1030 |
| | 33 | 20 | 33 | 707 | 1030 | 1030 | 707 | 1030 | 1030 |
| | 43EQS | 18 | 57 | 1030 | 1030 | 1030 | 1030 | 1030 | 1030 |
| | 43 | 18 | 33 | 1030 | 1030 | 1030 | 1030 | 1030 | 1030 |
| | 54 | 16 | 50 | 1030 | 1030 | 1030 | 1030 | 1030 | 1030 |
| | 68 | 14 | 50 | 1030 | 1030 | 1030 | 1030 | 1030 | 1030 |
| | 97 | 12 | 50 | 1030 | 1030 | 1030 | 1030 | 1030 | 1030 |
| | 118 | 10 | 50 | 1030 | 1030 | 1030 | 1030 | 1030 | 1030 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 1030 lbs | | | Max F3 = 1030 lbs | | |

### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. The designer shall check the bending in the short leg of the clip.

# AS
# Load-Bearing Secure Strut




## Product Application

The AS load-bearing secure strut is used in various applications, but most commonly to connect an exterior wall stud that bypasses the building structure. Depending on the material properties of the structure and the proposed design, the AS secure strut may be attached to the structure with either an approved fastener or a weld. AS secure struts are designed to resist axial compression tension loads.

## Features and Benefits

- Variety of lengths available
- Transfers horizontal load into structure
- Maintains lateral rigidity

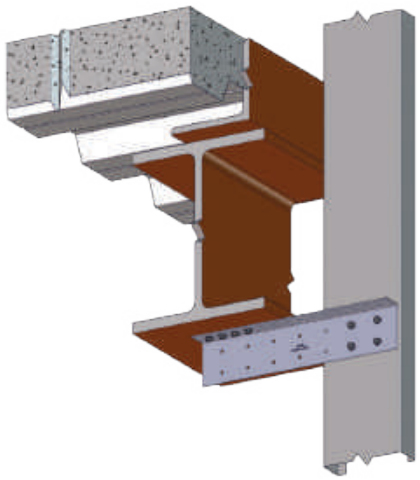
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| AS800 | 8" | 50 | 36 |
| AS1000 | 10" | 50 | 45 |
| AS1200 | 12" | 50 | 54 |
| AS1500 | 15" | - | - |
| AS2000 | 20" | - | - |
| AS2400 | 24" | - | - |

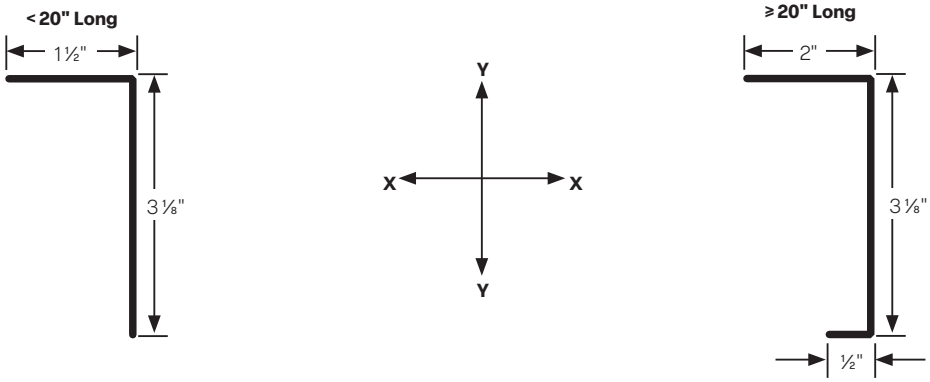
*Additional lengths available upon request.*
*Strengthening lip added for struts 20" in length and over.*



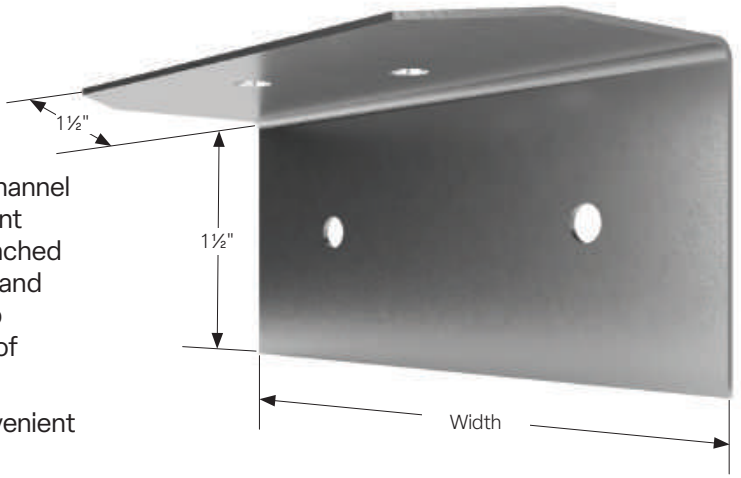
## Section Properties

| AS - Secure Strut Less Than 20" | | | | | | |
|---|---|---|---|---|---|---|
| Area ($in^2$) | Ixx ($in^4$) | Iyy ($in^4$) | Rx (in) | Ry (in) | Sxx ($in^3$) | Syy ($in^3$) |
| 0.3203 | 0.3392 | 0.0564 | 1.029 | 0.4198 | 0.3089 | 0.0461 |

| AS - Secure Strut 20" and Greater | | | | | | |
|---|---|---|---|---|---|---|
| Area ($in^2$) | Ixx ($in^4$) | Iyy ($in^4$) | Rx (in) | Ry (in) | Sxx ($in^3$) | Syy ($in^3$) |
| 0.3804 | 0.4777 | 0.127 | 1.1026 | 0.5778 | 0.4215 | 0.0803 |



# BC
# Secure Bridge Clip




## Product Application

The BC secure bridge clip attaches the cold rolled channel (CRC) to the stud. These clips resist lateral movement and twisting of the studs in a wall assembly. Pre-punched guide holes are provided to accommodate the CRC and stud attachments for installation efficiency. This clip has chamfered corners on one leg to allow for ease of installation on the inside of the stud cavity.

BC clips come packaged in durable buckets for convenient handling on the jobsite.

## Features and Benefits

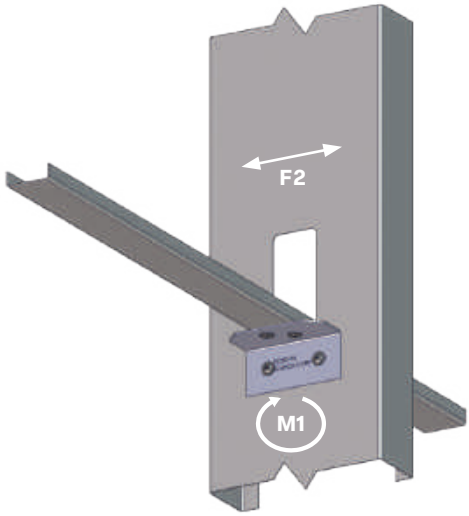
- Pre-punched guide holes
- No welding or cutting of scrap material required
- Loads based on #10 screws
- Screws are provided
- Replaces the cumbersome traditional method of bracing

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized*

## Quantity / Order Information

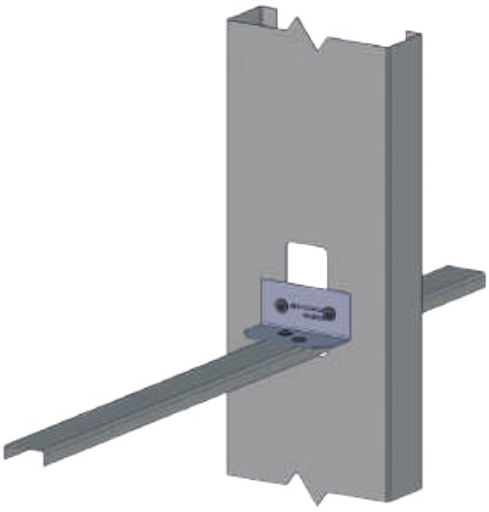
| Part No. | Length | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| BC237 | 2 ⅜" | 250 | 17 |
| BC337 | 3 ⅜" | 500 | 48 |
| BC575 | 5 ¾" | 150 | 40 |
| BC775 | 7 ¾" | 100 | 36 |




## Allowable Loads

| Part No. | Clip Properties | | | 2 #10 Screws* | |
|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | F2 (lbs) | M1 (lbs-in) |
| BC237 | 33 | 20 | 33 | 266 | 155 |
| BC337 | 33 | 20 | 33 | 532 | 332 |
| BC575 | 54 | 16 | 57 | 1068 | 1573 |
| BC775 | 54 | 16 | 57 | 1068 | 2313 |

**Allowable loads are based on the capacity of the clip and cold rolled channel attachment. Verify screw shear and pullout of stud.*



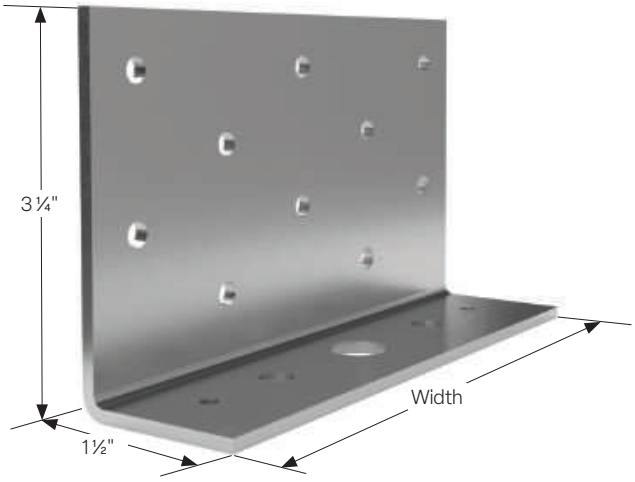
### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. Allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
5. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.

# FA
# Secure Floor Anchor

## Product Application

The FA secure floor anchor clip connects a wall stud to the floor. Designed to resist torsional, horizontal, and vertical loads, the FA secure clip is provided in 68 mil and 118 mil to meet any design criteria.




## Features and Benefits

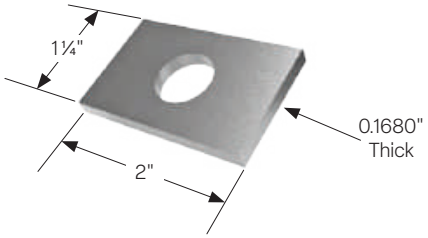
- Available in 68 mil and 118 mil
- Pre-punched guide holes
- Small flange guide holes are 0.220" in diameter (#12 fasteners)
- Medium flange guide holes are 0.30" in diameter (¼" anchor)
- Center guide hole is 0.5625" in diameter (½" anchor)
- Optional plate washer for heavy duty applications
- 1 ¼" x 2" plate washer is 168 mil with ⅝" hole

## Material Composition

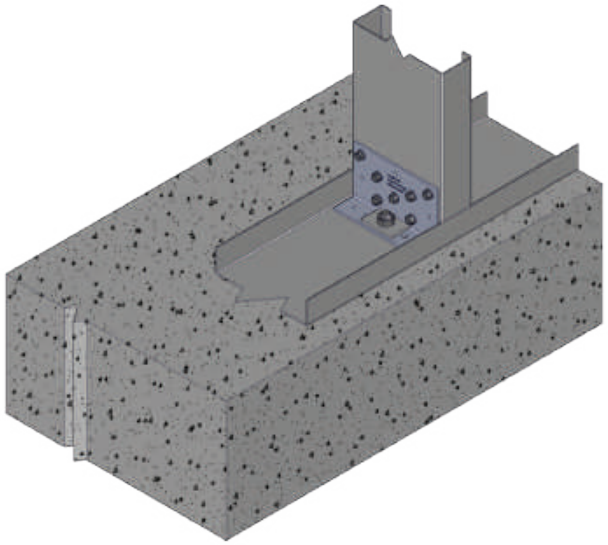
- Mill certified steel
- ASTM A653/A653M
- Clip
  - *68 mil or 118 Mil*
    - *57 ksi yield strength*
    - *65 ksi tensile strength*
    - *G90 galvanized coating*
- Plate Washer
  - *168 mil*
    - *HRC 35+*
    - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| FA337-68 | 3 ⅜" | 100 | 31 |
| FA550-68 | 5 ½" | 50 | 26 |
| FA750-68 | 7 ½" | 50 | 35 |
| FA950-68 | 9 ½" | 50 | 44 |
| FA1150-68 | 11 ½" | 50 | 53 |
| FA337-118 | 3 ⅜" | 50 | 29 |
| FA550-118 | 5 ½" | 50 | 47 |
| FA750-118 | 7 ½" | 35 | 45 |
| FA950-118 | 9 ½" | 25 | 41 |
| FA1150-118 | 11 ½" | 25 | 50 |




**PW-168 Plate Washer**
*Provided upon request.*

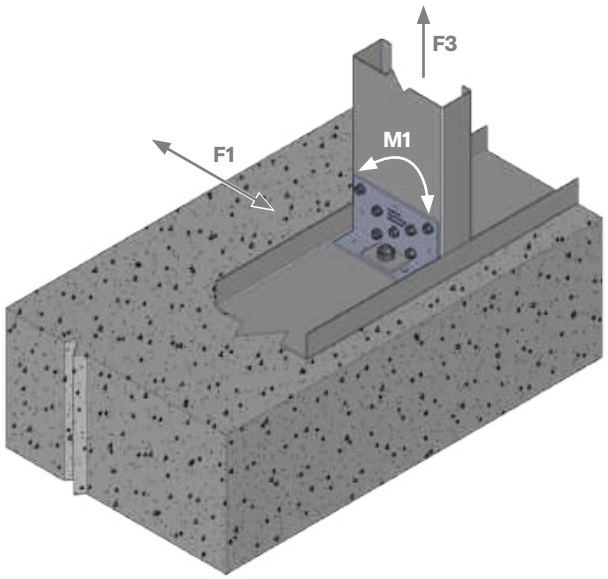


# FA
# Secure Floor Anchor Allowable Loads

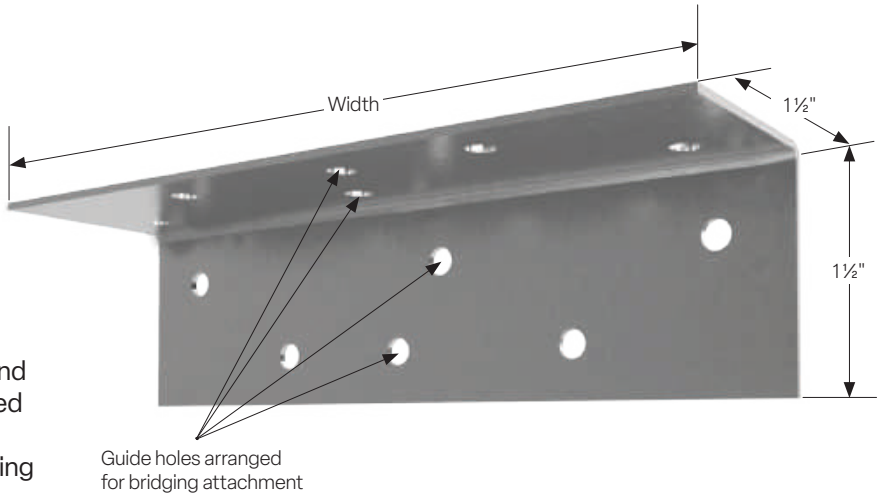
| Part No. | Number of Screws from Clip to Stud | Stud Properties | | | M1 Allowable Moment (in-lbs) | F1 Allowable Out-of-Plane Shear Load (lbs) | F3 Max Allowable Tension Load (lbs) | F3 Max Allowable Tension Load with 1/8" Deflection Limit (lbs) |
|---|---|---|---|---|---|---|---|---|
| | | Mil | Gauge | Fy (ksi) | | | | |
| FA337-68 | 4 - #12 Screws | 33 | 20 | 33 | 1692 | 752 | 1211 | 1141 |
| | | 43 | 18 | 33 | 2520 | 1120 | 1578 | 1141 |
| | | 54 | 16 | 50 | 5121 | 2276 | 2861 | 1141 |
| | | 68 | 14 | 50 | 5121 | 2461 | 3221 | 1141 |
| | | 97 | 12 | 50 | 5121 | 2461 | 3221 | 1141 |
| FA550-68 | 5 - #12 Screws | 33 | 20 | 33 | 2272 | 940 | 1514 | 1514 |
| | | 43 | 18 | 33 | 3383 | 1400 | 1973 | 1860 |
| | | 54 | 16 | 50 | 6875 | 2845 | 3576 | 1860 |
| | | 68 | 14 | 50 | 9388 | 3885 | 4026 | 1860 |
| | | 97 | 12 | 50 | 9388 | 3885 | 4026 | 1860 |
| FA750-68 | 5 - #12 Screws | 33 | 20 | 33 | 2272 | 940 | 1514 | 1514 |
| | | 43 | 18 | 33 | 3383 | 1400 | 1973 | 1973 |
| | | 54 | 16 | 50 | 6875 | 2845 | 3576 | 2111 |
| | | 68 | 14 | 50 | 9388 | 3885 | 4026 | 2111 |
| | | 97 | 12 | 50 | 9388 | 3885 | 4026 | 2111 |
| FA950-68 | 5 - #12 Screws | 33 | 20 | 33 | 2272 | 940 | 1514 | 1514 |
| | | 43 | 18 | 33 | 3383 | 1400 | 1973 | 1973 |
| | | 54 | 16 | 50 | 6875 | 2845 | 3576 | 2338 |
| | | 68 | 14 | 50 | 9388 | 3885 | 4026 | 2338 |
| | | 97 | 12 | 50 | 9388 | 3885 | 4026 | 2338 |
| FA1150-68 | 5 - #12 Screws | 33 | 20 | 33 | 2272 | 940 | 1514 | 1514 |
| | | 43 | 18 | 33 | 3383 | 1400 | 1973 | 1973 |
| | | 54 | 16 | 50 | 6875 | 2845 | 3576 | 2546 |
| | | 68 | 14 | 50 | 9388 | 3885 | 4026 | 2546 |
| | | 97 | 12 | 50 | 9388 | 3885 | 4026 | 2546 |
| FA337-118 | 4 - #12 Screws | 33 | 20 | 33 | 1692 | 752 | 1211 | 1211 |
| | | 43 | 18 | 33 | 2520 | 1120 | 1578 | 1578 |
| | | 54 | 16 | 50 | 5121 | 2276 | 2861 | 2861 |
| | | 68 | 14 | 50 | 5121 | 3108 | 3604 | 3604 |
| | | 97 | 12 | 50 | 5121 | 3108 | 5140 | 5140 |
| FA550-118<br>FA750-118<br>FA950-118<br>FA1150-118 | 5 - #12 Screws | 33 | 20 | 33 | 2272 | 940 | 1514 | 1514 |
| | | 43 | 18 | 33 | 3383 | 1400 | 1973 | 1973 |
| | | 54 | 16 | 50 | 6875 | 2845 | 3576 | 3576 |
| | | 68 | 14 | 50 | 10885 | 4505 | 4505 | 4505 |
| | | 97 | 12 | 50 | 10885 | 6426 | 6426 | 6426 |

### Table Notes

1. Loads based on AISI-S100 and the Allowable Strength Design (ASD), assuming #12 screws for attachment to stud.
2. Allowable loads are for connection of FA Clip to stud only.
3. Allowable loads have not been increased for wind, seismic activity, or other factors.
4. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
5. Attachment and Anchorage of the FA Clip to structure is to be designed by others.
6. The nominal strength of the screw must be at least 3.75 times the allowable load.
7. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.



# MA
# Multi-Use Secure Clip




## Product Application

The MA multi-use secure clip is used in a variety of different applications, including head-of-wall, joist connections, rafter and truss connections, reinforcing header connections, and bridging.

The MA secure clip is designed to resist vertical and lateral loads. Pre-punched guide holes are provided in each leg to allow for efficient installation. Clips come packaged in durable buckets for easy handling on the jobsite.

## Features and Benefits

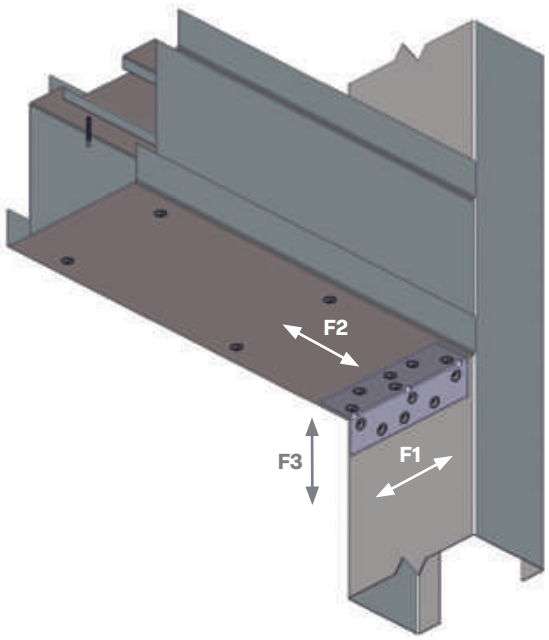
- Variety of lengths available
- Loads based on #10 screws
- Pre-punched guide holes
- No labor used cutting scrap or angle

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60/G90 galvanized coating*
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60/90 galvanized coating*

## Quantity / Order Information

| Part No. | Length | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| MA350-54 | 3 ½" | 200 | 34 |
| MA350-68 | 3 ½" | 200 | 42 |
| MA550-54 | 5 ½" | 100 | 26 |
| MA550-68 | 5 ½" | 100 | 32 |
| MA750-54 | 7 ½" | 100 | 35 |
| MA750-68 | 7 ½" | 100 | 44 |
| MA950-54 | 9 ½" | 100 | 44 |
| MA950-68 | 9 ½" | 100 | 55 |



# MA
# Multi-Use Secure Clip Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | F2 Allowable Loads (lbs) | | F3 Allowable Loads (lbs) | |
|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 3 #10 Screws | 2 #10 Screws | 3 #10 Screws | 2 #10 Screws | 3 #10 Screws |
| MA350 | 33EQS | 20 | 57 | 402 | 603 | 206 | 310 | 206 | 310 |
| | 33 | 20 | 33 | 353 | 530 | 168 | 251 | 168 | 251 |
| | 43EQS | 18 | 57 | 635 | 952 | 280 | 420 | 280 | 420 |
| | 43 | 18 | 33 | 526 | 789 | 219 | 328 | 219 | 328 |
| | 54 | 16 | 50 | 1068 | 1602 | 396 | 594 | 396 | 594 |
| | 68 | 14 | 50 | 1510 | 2266 | 499 | 749 | 499 | 749 |
| | 97 | 12 | 50 | 2261 | 2420 | 712 | 965 | 712 | 965 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 2420 lbs | | Max F2 = 965 lbs | | Max F3 = 965 lbs | |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F2 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 4 #10 Screws | 5 #10 Screws | 2 #10 Screws | 4 #10 Screws | 5 #10 Screws | 2 #10 Screws | 4 #10 Screws | 5 #10 Screws |
| MA550 | 33EQS | 20 | 57 | 402 | 804 | 1005 | 206 | 413 | 516 | 206 | 413 | 516 |
| | 33 | 20 | 33 | 353 | 707 | 884 | 168 | 335 | 419 | 168 | 335 | 419 |
| | 43EQS | 18 | 57 | 635 | 1269 | 1587 | 280 | 560 | 700 | 280 | 560 | 700 |
| | 43 | 18 | 33 | 526 | 1052 | 1315 | 219 | 437 | 547 | 219 | 437 | 547 |
| | 54 | 16 | 50 | 1068 | 2136 | 2671 | 396 | 792 | 855 | 396 | 792 | 855 |
| | 68 | 14 | 50 | 1510 | 2980 | 2980 | 499 | 855 | 855 | 499 | 855 | 855 |
| | 97 | 12 | 50 | 2261 | 2980 | 2980 | 712 | 855 | 855 | 712 | 855 | 855 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 2980 lbs | | | Max F2 = 855 lbs | | | Max F3 = 855 lbs | | |

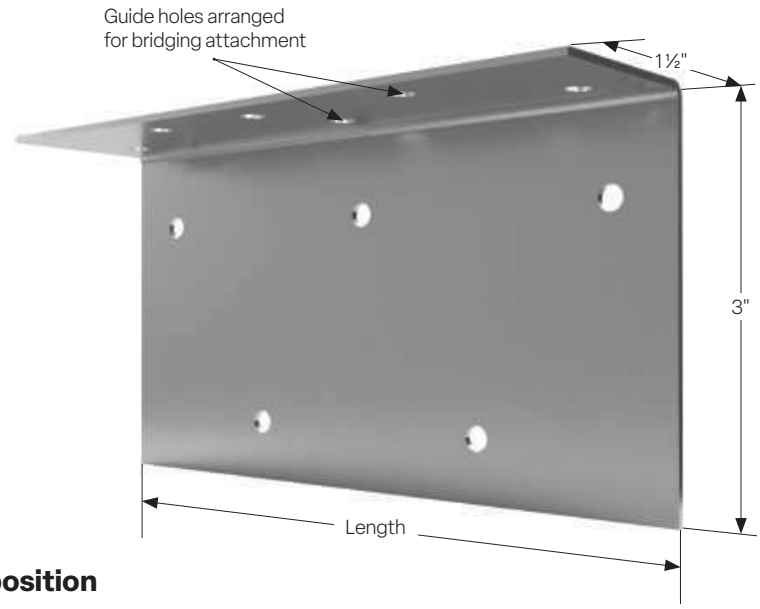
| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F2 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 4 #10 Screws | 7 #10 Screws | 2 #10 Screws | 4 #10 Screws | 7 #10 Screws | 2 #10 Screws | 4 #10 Screws | 7 #10 Screws |
| MA750 | 33EQS | 20 | 57 | 402 | 804 | 1407 | 206 | 413 | 722 | 206 | 413 | 722 |
| | 33 | 20 | 33 | 353 | 707 | 1237 | 168 | 335 | 597 | 168 | 335 | 597 |
| | 43EQS | 18 | 57 | 635 | 1269 | 2221 | 280 | 560 | 980 | 280 | 560 | 980 |
| | 43 | 18 | 33 | 526 | 1052 | 1841 | 219 | 437 | 765 | 219 | 437 | 765 |
| | 54 | 16 | 50 | 1068 | 2136 | 3739 | 396 | 792 | 1387 | 396 | 792 | 1387 |
| | 68 | 14 | 50 | 1510 | 3021 | 5286 | 499 | 998 | 1740 | 499 | 998 | 1740 |
| | 97 | 12 | 50 | 2261 | 4521 | 6100 | 712 | 1424 | 1740 | 712 | 1424 | 1740 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 6100 lbs | | | Max F2 = 1740 lbs | | | Max F3 = 1740 lbs | | |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F2 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 5 #10 Screws | 9 #10 Screws | 2 #10 Screws | 5 #10 Screws | 9 #10 Screws | 2 #10 Screws | 5 #10 Screws | 9 #10 Screws |
| MA950 | 33EQS | 20 | 57 | 402 | 1005 | 1809 | 206 | 516 | 929 | 206 | 516 | 929 |
| | 33 | 20 | 33 | 353 | 884 | 1590 | 168 | 419 | 754 | 168 | 419 | 754 |
| | 43EQS | 18 | 57 | 635 | 1587 | 2856 | 280 | 700 | 1260 | 280 | 700 | 1260 |
| | 43 | 18 | 33 | 526 | 1315 | 2367 | 219 | 547 | 984 | 219 | 547 | 984 |
| | 54 | 16 | 50 | 1068 | 2671 | 4807 | 396 | 991 | 1740 | 396 | 991 | 1740 |
| | 68 | 14 | 50 | 1510 | 3776 | 6100 | 499 | 1248 | 1740 | 499 | 1248 | 1740 |
| | 97 | 12 | 50 | 2261 | 5652 | 6100 | 712 | 1740 | 1740 | 712 | 1740 | 1740 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 6100 lbs | | | Max F2 = 1740 lbs | | | Max F3 = 1740 lbs | | |

### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
5. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.

# MB
# Multi-Use Secure Clip




## Product Application

The MB multi-use secure clip is used in a variety of different applications, including head-of-wall, joist connections, rafter and truss connections, reinforcing header connections, and bridging.

The MB secure clip is designed to resist vertical and lateral loads. Pre-punched guide holes are provided in each leg to allow for efficient installation. Clips come packaged in durable buckets for easy handling on the jobsite.

## Features and Benefits

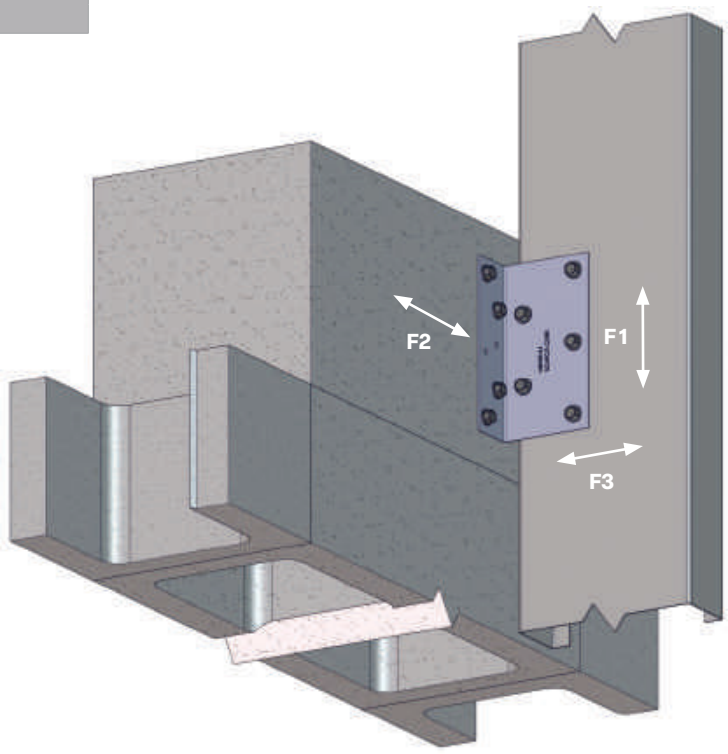
- Variety of lengths available
- Loads based on #10 screws
- Pre-punched guide holes
- No labor used cutting scrap or angle

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60/G90 galvanized coating*
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60/90 galvanized coating*

## Quantity / Order Information

| Part No. | Length | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| MB350-54 | 3 ½" | 100 | 25 |
| MB350-68 | 3 ½" | 100 | 31 |
| MB550-54 | 5 ½" | 100 | 38 |
| MB550-68 | 5 ½" | 100 | 48 |
| MB750-54 | 7 ½" | 75 | 39 |
| MB750-68 | 7 ½" | 75 | 49 |
| MB950-54 | 9 ½" | 50 | 33 |
| MB950-68 | 9 ½" | 50 | 42 |



# MB
# Multi-Use Secure Clip Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | F2 Allowable Loads (lbs) | | F3 Allowable Loads (lbs) | |
|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 3 #10 Screws | 2 #10 Screws | 3 #10 Screws | 2 #10 Screws | 3 #10 Screws |
| MB350 | 33EQS | 20 | 57 | 402 | 603 | 206 | 310 | 206 | 310 |
| | 33 | 20 | 33 | 353 | 530 | 168 | 251 | 168 | 251 |
| | 43EQS | 18 | 57 | 635 | 952 | 280 | 420 | 280 | 420 |
| | 43 | 18 | 33 | 526 | 789 | 219 | 328 | 219 | 328 |
| | 54 | 16 | 50 | 1068 | 1602 | 396 | 594 | 396 | 594 |
| | 68 | 14 | 50 | 1510 | 2266 | 499 | 749 | 499 | 749 |
| | 97 | 12 | 50 | 2261 | 2420 | 712 | 965 | 712 | 965 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 2420 lbs | | Max F2 = 965 lbs | | Max F3 = 965 lbs | |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F2 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 4 #10 Screws | 5 #10 Screws | 2 #10 Screws | 4 #10 Screws | 5 #10 Screws | 2 #10 Screws | 4 #10 Screws | 5 #10 Screws |
| MB550 | 33EQS | 20 | 57 | 402 | 804 | 1005 | 206 | 413 | 516 | 206 | 413 | 516 |
| | 33 | 20 | 33 | 353 | 707 | 884 | 168 | 335 | 419 | 168 | 335 | 419 |
| | 43EQS | 18 | 57 | 635 | 1269 | 1587 | 280 | 560 | 700 | 280 | 560 | 700 |
| | 43 | 18 | 33 | 526 | 1052 | 1315 | 219 | 437 | 547 | 219 | 437 | 547 |
| | 54 | 16 | 50 | 1068 | 2136 | 2671 | 396 | 792 | 855 | 396 | 792 | 855 |
| | 68 | 14 | 50 | 1510 | 2980 | 2980 | 499 | 855 | 855 | 499 | 855 | 855 |
| | 97 | 12 | 50 | 2261 | 2980 | 2980 | 712 | 855 | 855 | 712 | 855 | 855 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 2980 lbs | | | Max F2 = 855 lbs | | | Max F3 = 855 lbs | | |

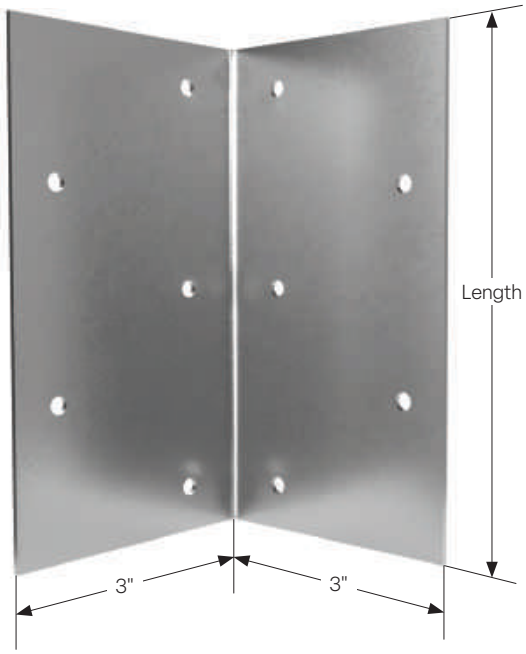
| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F2 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 4 #10 Screws | 7 #10 Screws | 2 #10 Screws | 4 #10 Screws | 7 #10 Screws | 2 #10 Screws | 4 #10 Screws | 7 #10 Screws |
| MB750 | 33EQS | 20 | 57 | 402 | 804 | 1407 | 206 | 413 | 722 | 206 | 413 | 722 |
| | 33 | 20 | 33 | 353 | 707 | 1237 | 168 | 335 | 597 | 168 | 335 | 597 |
| | 43EQS | 18 | 57 | 635 | 1269 | 2221 | 280 | 560 | 980 | 280 | 560 | 980 |
| | 43 | 18 | 33 | 526 | 1052 | 1841 | 219 | 437 | 765 | 219 | 437 | 765 |
| | 54 | 16 | 50 | 1068 | 2136 | 3739 | 396 | 792 | 1387 | 396 | 792 | 1387 |
| | 68 | 14 | 50 | 1510 | 3021 | 5286 | 499 | 998 | 1740 | 499 | 998 | 1740 |
| | 97 | 12 | 50 | 2261 | 4521 | 6100 | 712 | 1424 | 1740 | 712 | 1424 | 1740 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 6100 lbs | | | Max F2 = 1740 lbs | | | Max F3 = 1740 lbs | | |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F2 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 5 #10 Screws | 9 #10 Screws | 2 #10 Screws | 5 #10 Screws | 9 #10 Screws | 2 #10 Screws | 5 #10 Screws | 9 #10 Screws |
| MB950 | 33EQS | 20 | 57 | 402 | 1005 | 1809 | 206 | 516 | 929 | 206 | 516 | 929 |
| | 33 | 20 | 33 | 353 | 884 | 1590 | 168 | 419 | 754 | 168 | 419 | 754 |
| | 43EQS | 18 | 57 | 635 | 1587 | 2856 | 280 | 700 | 1260 | 280 | 700 | 1260 |
| | 43 | 18 | 33 | 526 | 1315 | 2367 | 219 | 547 | 984 | 219 | 547 | 984 |
| | 54 | 16 | 50 | 1068 | 2671 | 4807 | 396 | 991 | 1740 | 396 | 991 | 1740 |
| | 68 | 14 | 50 | 1510 | 3776 | 6100 | 499 | 1248 | 1740 | 499 | 1248 | 1740 |
| | 97 | 12 | 50 | 2261 | 5652 | 6100 | 712 | 1740 | 1740 | 712 | 1740 | 1740 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 6100 lbs | | | Max F2 = 1740 lbs | | | Max F3 = 1740 lbs | | |

### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
5. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.

# MC
# Multi-Use Secure Clip




## Product Application

The MC multi-use secure clip is used in a variety of different applications, including head-of-wall, joist connections, rafter and truss connections, and reinforcing header connections.

MC secure clips are designed to resist vertical and lateral loads. There are pre-punched guide holes provided in each leg to allow for efficient installation. Clips come packaged in durable buckets for easy handling on the jobsite.

## Features and Benefits

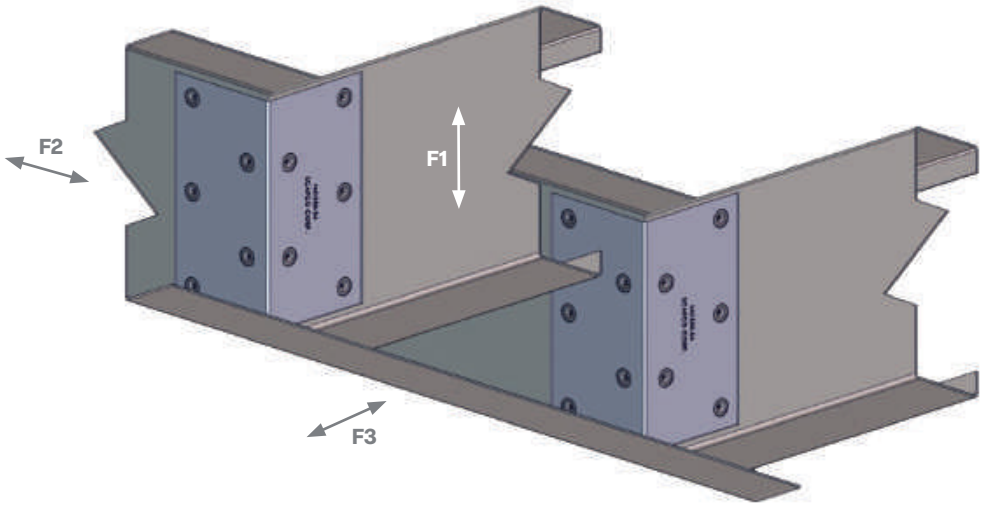
- Variety of lengths available
- Loads based on #10 screws
- Pre-punched guide holes
- No labor used cutting scrap or angle

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60/G90 galvanized coating*
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60/G90 galvanized coating*

## Quantity / Order Information

| Part No. | Length | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| MC350-54 | 3 ½" | 100 | 33 |
| MC350-68 | 3 ½" | 100 | 41 |
| MC550-54 | 5 ½" | 100 | 51 |
| MC550-68 | 5 ½" | 75 | 48 |
| MC750-54 | 7 ½" | 50 | 35 |
| MC750-68 | 7 ½" | 50 | 44 |
| MC950-54 | 9 ½" | 50 | 44 |
| MC950-68 | 9 ½" | 50 | 55 |



# MC
# Multi-Use Secure Clip Allowable Loads

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | F2 Allowable Loads (lbs) | | F3 Allowable Loads (lbs) | |
|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 3 #10 Screws | 2 #10 Screws | 3 #10 Screws | 2 #10 Screws | 3 #10 Screws |
| MC350 | 33EQS | 20 | 57 | 402 | 603 | 206 | 310 | 206 | 310 |
| | 33 | 20 | 33 | 353 | 530 | 168 | 251 | 168 | 251 |
| | 43EQS | 18 | 57 | 635 | 952 | 280 | 420 | 280 | 420 |
| | 43 | 18 | 33 | 526 | 789 | 219 | 328 | 219 | 328 |
| | 54 | 16 | 50 | 1068 | 1602 | 396 | 594 | 396 | 594 |
| | 68 | 14 | 50 | 1510 | 2266 | 499 | 749 | 499 | 749 |
| | 97 | 12 | 50 | 2261 | 2420 | 712 | 965 | 712 | 965 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 2420 lbs | | Max F2 = 965 lbs | | Max F3 = 965 lbs | |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F2 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 4 #10 Screws | 5 #10 Screws | 2 #10 Screws | 4 #10 Screws | 5 #10 Screws | 2 #10 Screws | 4 #10 Screws | 5 #10 Screws |
| MC550 | 33EQS | 20 | 57 | 402 | 804 | 1005 | 206 | 413 | 516 | 206 | 413 | 516 |
| | 33 | 20 | 33 | 353 | 707 | 884 | 168 | 335 | 419 | 168 | 335 | 419 |
| | 43EQS | 18 | 57 | 635 | 1269 | 1587 | 280 | 560 | 700 | 280 | 560 | 700 |
| | 43 | 18 | 33 | 526 | 1052 | 1315 | 219 | 437 | 547 | 219 | 437 | 547 |
| | 54 | 16 | 50 | 1068 | 2136 | 2671 | 396 | 792 | 855 | 396 | 792 | 855 |
| | 68 | 14 | 50 | 1510 | 2980 | 2980 | 499 | 855 | 855 | 499 | 855 | 855 |
| | 97 | 12 | 50 | 2261 | 2980 | 2980 | 712 | 855 | 855 | 712 | 855 | 855 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 2980 lbs | | | Max F2 = 855 lbs | | | Max F3 = 855 lbs | | |

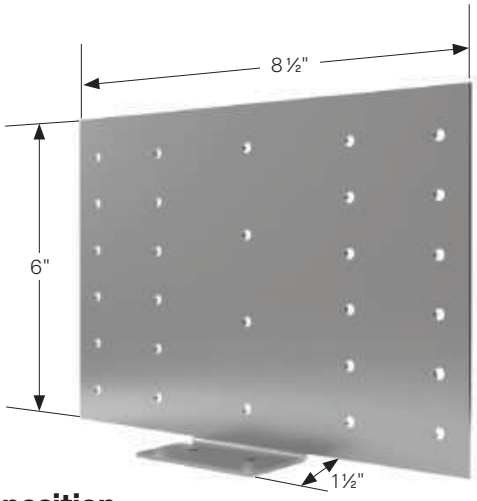
| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F2 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 4 #10 Screws | 7 #10 Screws | 2 #10 Screws | 4 #10 Screws | 7 #10 Screws | 2 #10 Screws | 4 #10 Screws | 7 #10 Screws |
| MC750 | 33EQS | 20 | 57 | 402 | 804 | 1407 | 206 | 413 | 722 | 206 | 413 | 722 |
| | 33 | 20 | 33 | 353 | 707 | 1237 | 168 | 335 | 597 | 168 | 335 | 597 |
| | 43EQS | 18 | 57 | 635 | 1269 | 2221 | 280 | 560 | 980 | 280 | 560 | 980 |
| | 43 | 18 | 33 | 526 | 1052 | 1841 | 219 | 437 | 765 | 219 | 437 | 765 |
| | 54 | 16 | 50 | 1068 | 2136 | 3739 | 396 | 792 | 1387 | 396 | 792 | 1387 |
| | 68 | 14 | 50 | 1510 | 3021 | 5286 | 499 | 998 | 1740 | 499 | 998 | 1740 |
| | 97 | 12 | 50 | 2261 | 4521 | 6100 | 712 | 1424 | 1740 | 712 | 1424 | 1740 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 6100 lbs | | | Max F2 = 1740 lbs | | | Max F3 = 1740 lbs | | |

| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | | F2 Allowable Loads (lbs) | | | F3 Allowable Loads (lbs) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #10 Screws | 5 #10 Screws | 9 #10 Screws | 2 #10 Screws | 5 #10 Screws | 9 #10 Screws | 2 #10 Screws | 5 #10 Screws | 9 #10 Screws |
| MC950 | 33EQS | 20 | 57 | 402 | 1005 | 1809 | 206 | 516 | 929 | 206 | 516 | 929 |
| | 33 | 20 | 33 | 353 | 884 | 1590 | 168 | 419 | 754 | 168 | 419 | 754 |
| | 43EQS | 18 | 57 | 635 | 1587 | 2856 | 280 | 700 | 1260 | 280 | 700 | 1260 |
| | 43 | 18 | 33 | 526 | 1315 | 2367 | 219 | 547 | 984 | 219 | 547 | 984 |
| | 54 | 16 | 50 | 1068 | 2671 | 4807 | 396 | 991 | 1740 | 396 | 991 | 1740 |
| | 68 | 14 | 50 | 1510 | 3776 | 6100 | 499 | 1248 | 1740 | 499 | 1248 | 1740 |
| | 97 | 12 | 50 | 2261 | 5652 | 6100 | 712 | 1740 | 1740 | 712 | 1740 | 1740 |
| Maximum Allowable Clip Capacity | | | | Max F1 = 6100 lbs | | | Max F2 = 1740 lbs | | | Max F3 = 1740 lbs | | |

### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
5. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.

# HG
# Multi-Use Secure Clip




## Product Application

The HG secure header gusset plate is designed to provide a stiffened attachment of two individual members. Its unique design transfers the vertical load through a rigid connection that is stronger than field fabricated construction.

The header gusset plate stiffens the header and jamb connection, allowing the header to withstand larger load capacities and decrease the chance of web crippling.

## Features and Benefits

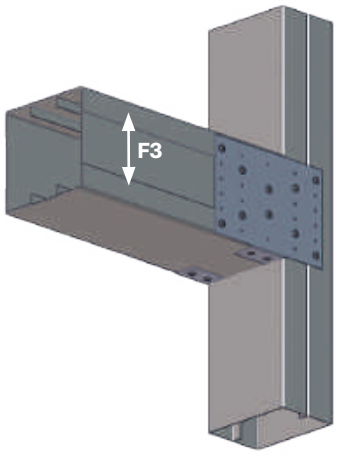
- Loads based on #10 screws
- Pre-punched guide holes
- Ledger tabs to hold header during installation
- Designed for multiple stud sizes and jamb configurations
- Replaces traditional labor-intensive installation methods

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 43 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 galvanized coating*
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Left / Right Handed | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| HG-43 | Universal | 50 | 34 |
| HG-68 | Universal | 30 | 32 |




## Allowable Loads

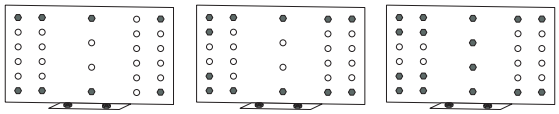
| Part No. | Stud Properties | | | F3 Allowable Loads (lbs) | | | | |
|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 4 #10 Screws | 6 #10 Screws | 8 #10 Screws | 10 #10 Screws | 12 #10 Screws |
| HG-43 (43 mil) | 33EQS | 20 | 57 | 804 | 1206 | 1608 | 2010 | 2412 |
| | 33 | 20 | 33 | 707 | 1060 | 1414 | 1767 | 2120 |
| | 43EQS | 18 | 57 | 1269 | 1904 | 2538 | 2980 | 2980 |
| | 43 | 18 | 33 | 1052 | 1578 | 2104 | 2630 | 2980 |
| | 54 | 16 | 50 | 1388 | 2082 | 2776 | 2980 | 2980 |
| | 68 | 14 | 50 | 1388 | 2082 | 2776 | 2980 | 2980 |
| | 97 | 12 | 50 | 1388 | 2082 | 2776 | 2980 | 2980 |
| | 118 | 10 | 50 | 1388 | 2082 | 2776 | 2980 | 2980 |
| Maximum Allowable Clip Capacity | | | | Max F3 = 2980 lbs | | | | |

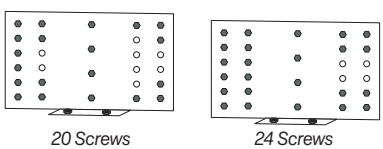
| Part No. | Stud Properties | | | F3 Allowable Loads (lbs) | | | | |
|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 4 #10 Screws | 6 #10 Screws | 8 #10 Screws | 10 #10 Screws | 12 #10 Screws |
| HG-68 (68 mil) | 33EQS | 20 | 57 | 804 | 1206 | 1608 | 2010 | 2412 |
| | 33 | 20 | 33 | 707 | 1060 | 1414 | 1767 | 2120 |
| | 43EQS | 18 | 57 | 1269 | 1904 | 2538 | 3173 | 3808 |
| | 43 | 18 | 33 | 1052 | 1578 | 2104 | 2630 | 3156 |
| | 54 | 16 | 50 | 2136 | 3205 | 4273 | 5341 | 5375 |
| | 68 | 14 | 50 | 3021 | 4531 | 5375 | 5375 | 5375 |
| | 97 | 12 | 50 | 3170 | 4755 | 5375 | 5375 | 5375 |
| | 118 | 10 | 50 | 3170 | 4755 | 5375 | 5375 | 5375 |
| Maximum Allowable Clip Capacity | | | | Max F3 = 5375 lbs | | | | |

*Loads based on single clip capacity*

## Screw Pattern Configurations

Configurations shown below shall be installed on the left-hand side when fastening to the jamb stud. Two additional screws shall always be installed in ledger tab.

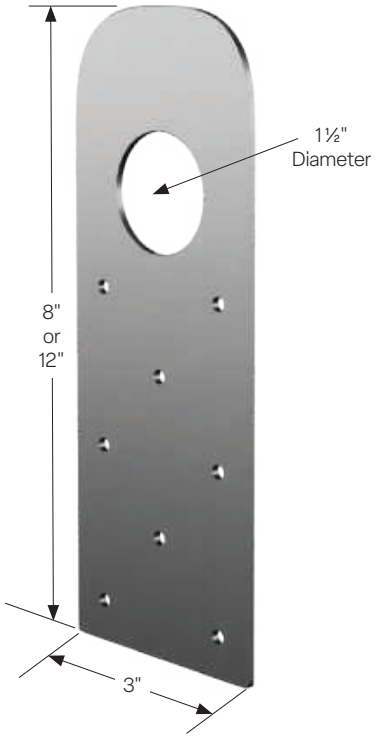



### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. Allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. The designer shall check the bending in the short leg of the clip.
8. Use the lowest values when connecting materials of different thicknesses.

# PHC
# Panel Hoist Clip




## Product Application

The PHC panel hoist clip attaches to manufactured wall or floor panels to provided lifting points for installation on the jobsite. The hoist clip has a 1-1/2'' diameter hole for attaching cables for lifting, along with prepunched holes for screw attachments to the panel.

## Features and Benefits

- Provides lifting points for prefabricated panels
- Available in 2 convenient lengths
- Loads based on #10 screws
- Pre-punched screw and lift holes
- Rounded Corners for ease of hoisting

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 97 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 galvanized*

## Quantity / Order Information

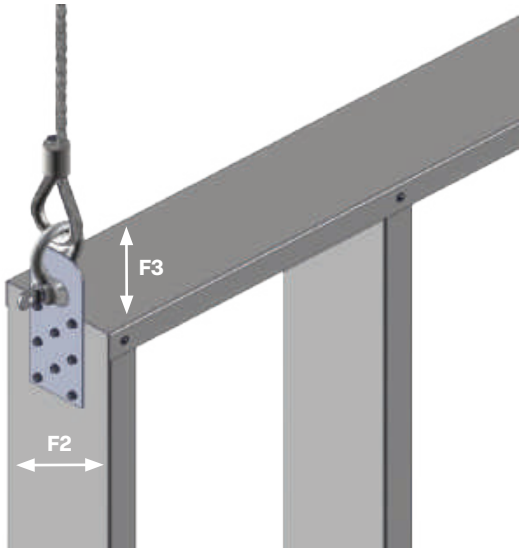
| Part No. | Left / Right Handed | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| PHC8-97 | 8" | 60 | 40 |
| PHC12-97 | 12" | 40 | 40 |

## Allowable Loads

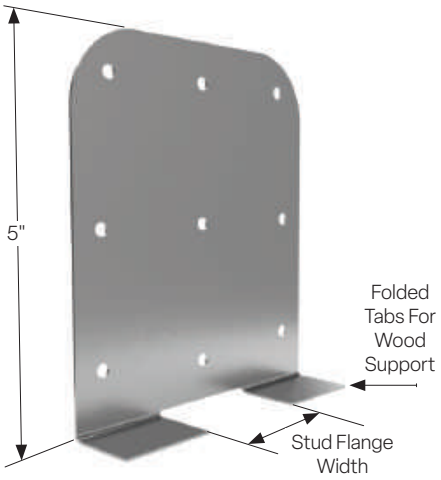
| Part No. | Panel Studs | | Panel Lifted From a Vertical Orientation (F3) | | | | | | Lifted from a Horizontal Orientation (F2) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | PHC 8 | | | PHC 12 | | | PHC 8 | | | PHC 12 | | |
| | Mil | Fy (ksi) | 3 #10 Screws | 5 #10 Screws | 6 #10 Screws | 5 #10 Screws | 8 #10 Screws | 12 #10 Screws | 3 #10 Screws | 5 #10 Screws | 6 #10 Screws | 5 #10 Screws | 8 #10 Screws | 12 #10 Screws |
| PHC | 33EQS | 57 | 603 | 1005 | 1206 | 1005 | 1608 | 2412 | 88 | 201 | 253 | 118 | 217 | 478 |
| | 33 | 33 | 531 | 885 | 1062 | 885 | 1416 | 2124 | 88 | 201 | 253 | 118 | 217 | 478 |
| | 43EQS | 57 | 951 | 1585 | 1902 | 1585 | 2536 | 2542 | 131 | 307 | 394 | 176 | 350 | 710 |
| | 43 | 33 | 789 | 1315 | 1578 | 1315 | 2104 | 2542 | 131 | 307 | 394 | 176 | 350 | 710 |
| | 54 | 50 | 1602 | 2542 | 2542 | 2542 | 2542 | 2542 | 269 | 635 | 783 | 318 | 701 | 1095 |
| | 68 | 50 | 1644 | 2542 | 2542 | 2542 | 2542 | 2542 | 269 | 635 | 817 | 318 | 701 | 1095 |
| | 97 | 50 | 1644 | 2542 | 2542 | 2542 | 2542 | 2542 | 269 | 635 | 817 | 318 | 701 | 1095 |
| | 118 | 50 | 1644 | 2542 | 2542 | 2542 | 2542 | 2542 | 269 | 635 | 817 | 318 | 701 | 1095 |

### Table Notes

1. Loads based on AISI-S100 and the Allowable Strength Design (ASD), assuming #10 Screws for attachment to stud/panel.
2. Allowable Loads assume the use of a load distribution member (spreader bar) between hoist points.
3. The spacing of hoist points is to be controlled by the weight of panel and approved by the designer.
4. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
5. The nominal strength of the screw must be at least 3.75 times the allowable load.
6. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.



# KB
# Kwik-Back Wall Support




## Product Application

Kwik-Back clips are the most cost effective, labor saving solution to create superior backing support for wall shelving, cabinetry, heavy wall hangings, and other equipment.

Installation is simplified by using 2 or 3 screws to attach the clip to the stud flange. No pre-determined stud layout is required and ledge tabs are added for easy alignment. Attach 2" x 6" structure grade lumber (#1 or better) as required by code or specification.

## Features and Benefits

- Loads based on #8 screws
  - *Screws are provided*
- Pre-punched guide holes
- Folded tabs for consistent wood positioning

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 galvanized coating*

## Quantity / Order Information

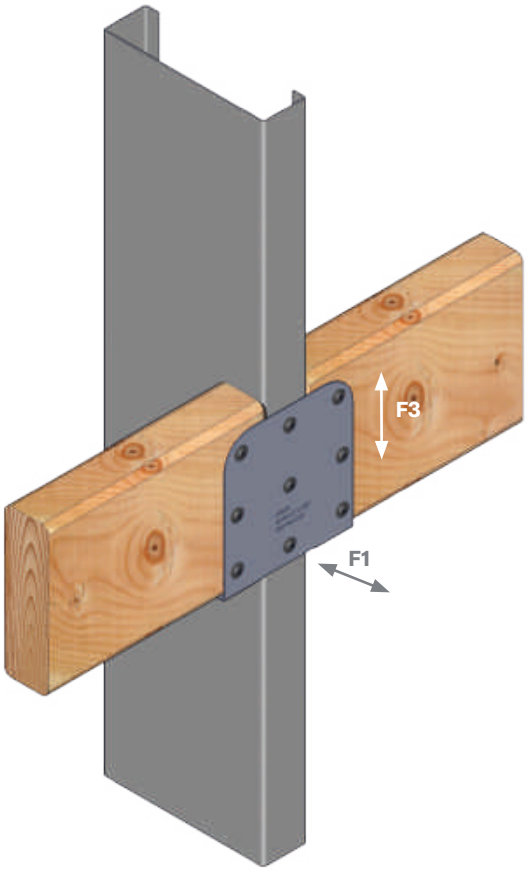
| Part No. | Stud Flange Width | Qty / Bucket | Lbs / Bucket |
|---|---|---|---|
| KB162 | 1¼" to 1⅝" | 200 | 50 |
| KB200 | 2" | 200 | 54 |

## Allowable Loads

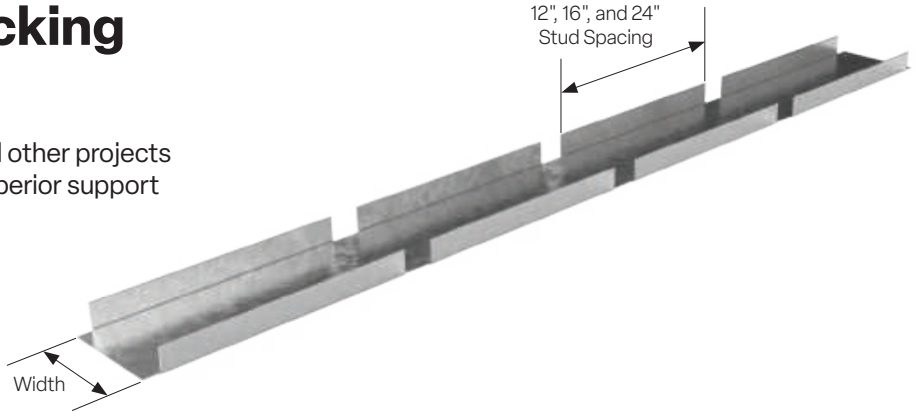
| Part No. | Stud Properties | | | F1 Allowable Loads (lbs) | | F3 Allowable Loads | |
|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 2 #8 Screws | 3 #8 Screws | 2 #8 Screws | 3 #8 Screws |
| KB | 18 | 25 | 33 | 79 | 118 | 132 | 197 |
| | 20EQ | 20 | 57 | 114 | 170 | 190 | 285 |
| | 30EQD | 20 | 57 | 142 | 213 | 266 | 398 |
| | 30 | 20 | 33 | 130 | 196 | 281 | 422 |
| | 33EQS | 20 (S) | 57 | 178 | 267 | 373 | 560 |
| | 33 | 20 (S) | 33 | 145 | 217 | 328 | 493 |
| | 43EQS | 18 | 57 | 242 | 342 | 460 | 689 |
| | 43 | 18 | 33 | 189 | 283 | 460 | 689 |
| | 54 | 16 | 50 | 342 | 342 | 460 | 689 |

### Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
5. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. Designer shall check screw capacity to wood backing material.



# NT
# Notched Track Backing




## Product Application

The NT is used in hospitals, schools, and other projects as mechanical backing that provides superior support for equipment and cabinetry.

## Features and Benefits

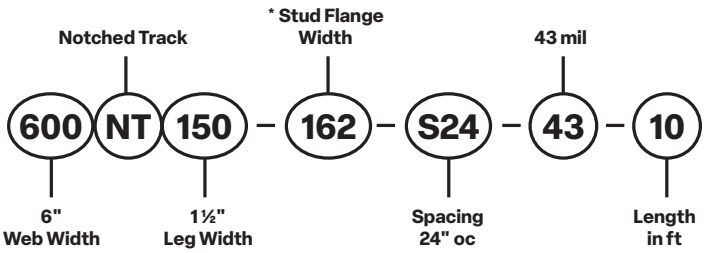
- Available in widths of 4", 6", and 8"
- Available in 12", 16", and 24" stud spacing
- Pre-cut notches for flange attachment
- Eliminates field cutting
- 1-1/4" and 1-1/2'' standard leg sizes

## Material Composition

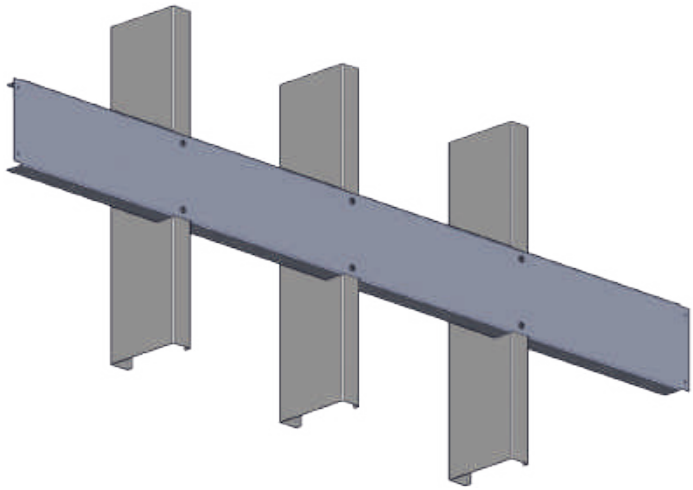
- Mill certified steel
- ASTM: A653/A653M
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 43 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*

## Nomenclature Example

Notched track system complies with standard SSMA nomenclature using the letters "NT" as the product identification. Use the following example when ordering notched track system.



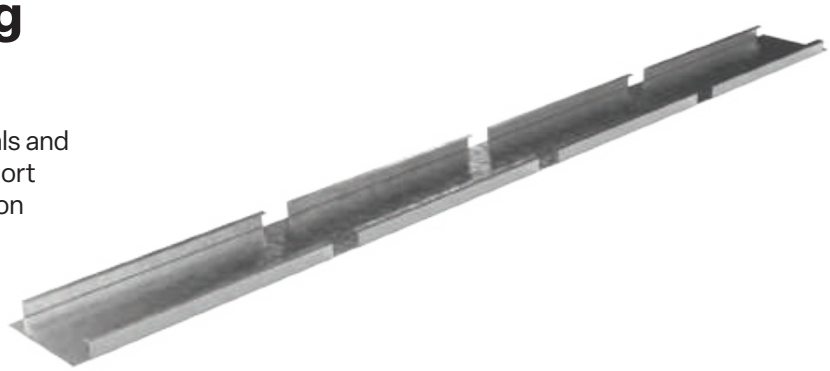

** Notch opening will be ⅛" larger than the stud flange width*



# NS
# Notched Stud Backing

## Product Application

The NS notched stud backing is used in hospitals and schools as mechanical backing to provide support for equipment and cabinetry. Engineered section properties and allowable loads are provided.



## Features and Benefits

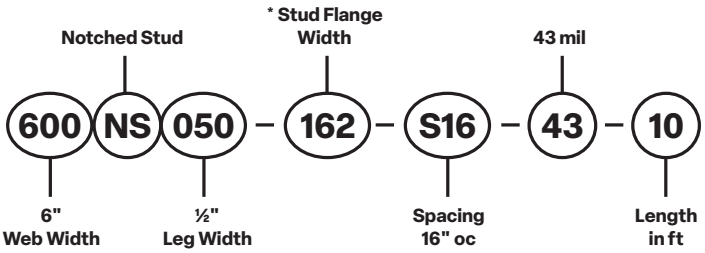
- Available in widths of 4", 6", and 8"
- Available in 12", 16", and 24" stud spacing
- Excellent for heavy load conditions
- Pre-cut notches for flange attachment
- Custom notching available upon request
- Pre-punched guide holes
- Eliminates field cutting
- Provides bracing and bridging support

## Material Composition

- Mill certified steel
- ASTM: A653/A653M
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 43 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*

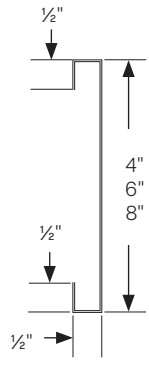
## Nomenclature Example

Notched Stud Systems complies with standard SSMA nomenclature using the letters "NS" as the product indentification. Follow example when ordering Notched Stud System.

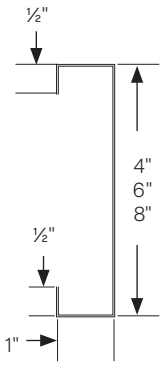


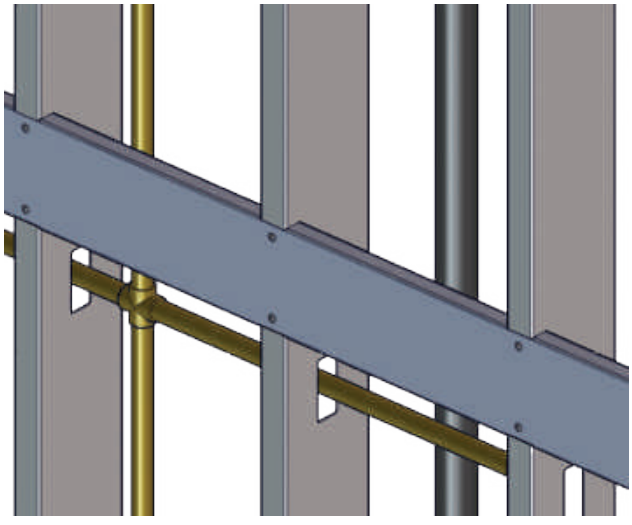

** Notch opening will be ⅛" larger than the stud flange width*

Notched Stud Backing With ½" Flange




Notched Stud Backing With 1" Flange



# NS
# Notched Stud Backing

| Part No. | Depth (in) | Flange (in) | * Vertical Stud Flange | Properties | | | |
|---|---|---|---|---|---|---|---|
| | | | | Ixe (min) (in4) | Sxe (min) (in3) | Iye (min) (in4) | Sye (min) (in3) |
| 400NS050-*-S??-33 | 4 | 0.50 | 125/162/200 | 0.386 | 0.193 | 0.007 | 0.018 |
| 400NS050-*-S??-43 | 4 | 0.50 | 125/162/200 | 0.495 | 0.248 | 0.008 | 0.022 |
| 400NS050-*-S??-54 | 4 | 0.50 | 125/162/200 | 0.603 | 0.301 | 0.009 | 0.025 |
| 400NS050-*-S??-68 | 4 | 0.50 | 125/162/200 | 0.728 | 0.364 | 0.011 | 0.029 |
| 600NS050-*-S??-33 | 6 | 0.50 | 125/162/200 | 1.085 | 0.357 | 0.007 | 0.018 |
| 600NS050-*-S??-43 | 6 | 0.50 | 125/162/200 | 1.416 | 0.472 | 0.009 | 0.022 |
| 600NS050-*-S??-54 | 6 | 0.50 | 125/162/200 | 1.736 | 0.579 | 0.010 | 0.026 |
| 600NS050-*-S??-68 | 6 | 0.50 | 125/162/200 | 2.116 | 0.705 | 0.012 | 0.030 |
| 800NS050-*-S??-33 | 8 | 0.50 | 125/162/200 | 2.214 | 0.526 | 0.007 | 0.018 |
| 800NS050-*-S??-43 | 8 | 0.50 | 125/162/200 | 2.989 | 0.738 | 0.009 | 0.022 |
| 800NS050-*-S??-54 | 8 | 0.50 | 125/162/200 | 3.727 | 0.932 | 0.011 | 0.026 |
| 800NS050-*-S??-68 | 8 | 0.50 | 125/162/200 | 4.569 | 1.142 | 0.012 | 0.030 |
| 400NS100-*-S??-33 | 4 | 1.00 | 125/162/200 | 0.522 | 0.261 | 0.033 | 0.046 |
| 400NS100-*-S??-43 | 4 | 1.00 | 125/162/200 | 0.672 | 0.336 | 0.041 | 0.058 |
| 400NS100-*-S??-54 | 4 | 1.00 | 125/162/200 | 0.823 | 0.411 | 0.050 | 0.070 |
| 400NS100-*-S??-68 | 4 | 1.00 | 125/162/200 | 1.003 | 0.501 | 0.059 | 0.082 |
| 600NS100-*-S??-33 | 6 | 1.00 | 125/162/200 | 1.371 | 0.445 | 0.036 | 0.047 |
| 600NS100-*-S??-43 | 6 | 1.00 | 125/162/200 | 1.816 | 0.605 | 0.046 | 0.060 |
| 600NS100-*-S??-54 | 6 | 1.00 | 125/162/200 | 2.236 | 0.745 | 0.056 | 0.072 |
| 600NS100-*-S??-68 | 6 | 1.00 | 125/162/200 | 2.742 | 0.914 | 0.066 | 0.085 |
| 800NS100-*-S??-331 | 8 | 1.00 | 125/162/200 | 2.687 | 0.626 | 0.037 | 0.047 |
| 800NS100-*-S??-43 | 8 | 1.00 | 125/162/200 | 3.610 | 0.872 | 0.048 | 0.060 |
| 800NS100-*-S??-54 | 8 | 1.00 | 125/162/200 | 4.492 | 1.092 | 0.058 | 0.072 |
| 800NS100-*-S??-68 | 8 | 1.00 | 125/162/200 | 5.690 | 1.423 | 0.070 | 0.086 |

** Represents the vertical stud flange size. Allowable Section Properties - Per AISI Design Criteria*

## Allowable Loads

| Part No. | Stud Properties | | | Vertical Pmax (lb) Spacing | | | # of Screws Required for Vertical Pmax Spacing | | | Horizontal Pmax (lb) Spacing | | | # of Screws Required for Horizontal Pmax Spacing | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mil | Gauge | Fy (ksi) | 12" | 16" | 24" | 12" | 16" | 24" | 12" | 16" | 24" | 12" | 16" | 24" |
| 400NS050-*-S??-33 | 33 | 20 | 33 | 976 | 933 | 622 | 6 | 6 | 4 | 112 | 84 | 56 | 2 | 2 | 2 |
| 400NS050-*-S??-43 | 43 | 18 | 33 | 1740 | 1593 | 1062 | 7 | 7 | 5 | 144 | 108 | 72 | 2 | 2 | 2 |
| 400NS050-*-S??-54 | 54 | 16 | 50 | 3372 | 2934 | 1956 | 7 | 6 | 4 | 248 | 186 | 124 | 2 | 2 | 2 |
| 400NS050-*-S??-68 | 68 | 14 | 50 | 4716 | 3537 | 2358 | 10 | 8 | 5 | 284 | 213 | 142 | 2 | 2 | 2 |
| 600NS050-*-S??-33 | 33 | 20 | 33 | 638 | 638 | 638 | 4 | 4 | 4 | 112 | 84 | 56 | 2 | 2 | 2 |
| 600NS050-*-S??-43 | 43 | 18 | 33 | 1416 | 1416 | 1416 | 6 | 6 | 6 | 140 | 105 | 70 | 2 | 2 | 2 |
| 600NS050-*-S??-54 | 54 | 16 | 50 | 2823 | 2823 | 2706 | 6 | 6 | 6 | 248 | 186 | 124 | 2 | 2 | 2 |
| 600NS050-*-S??-68 | 68 | 14 | 50 | 5350 | 5268 | 3512 | 11 | 11 | 8 | 284 | 213 | 142 | 2 | 2 | 2 |
| 800NS050-*-S??-33 | 33 | 20 | 33 | 474 | 474 | 474 | 3 | 3 | 3 | 112 | 84 | 56 | 2 | 2 | 2 |
| 800NS050-*-S??-43 | 43 | 18 | 33 | 1051 | 1051 | 1051 | 3 | 4 | 4 | 144 | 108 | 72 | 2 | 2 | 2 |
| 800NS050-*-S??-54 | 54 | 16 | 50 | 2091 | 2091 | 2091 | 5 | 5 | 5 | 252 | 189 | 126 | 2 | 2 | 2 |
| 800NS050-*-S??-68 | 68 | 14 | 50 | 4221 | 4221 | 4221 | 9 | 9 | 9 | 288 | 216 | 144 | 2 | 2 | 2 |
| 400NS100-*-S??-33 | 33 | 20 | 33 | 976 | 976 | 860 | 6 | 6 | 5 | 288 | 216 | 144 | 4 | 3 | 2 |
| 400NS100-*-S??-43 | 43 | 18 | 33 | 1739 | 1739 | 1280 | 7 | 7 | 5 | 372 | 279 | 186 | 4 | 3 | 2 |
| 400NS100-*-S??-54 | 54 | 16 | 50 | 3372 | 3372 | 2398 | 7 | 7 | 5 | 680 | 510 | 340 | 4 | 3 | 2 |
| 400NS100-*-S??-68 | 54 | 16 | 50 | 4871 | 4533 | 3022 | 10 | 10 | 7 | 816 | 612 | 408 | 4 | 3 | 2 |
| 600NS100-*-S??-33 | 33 | 20 | 33 | 638 | 638 | 638 | 4 | 4 | 4 | 288 | 216 | 144 | 4 | 3 | 2 |
| 600NS100-*-S??-43 | 43 | 18 | 33 | 1416 | 1416 | 1416 | 6 | 6 | 6 | 376 | 282 | 188 | 4 | 3 | 2 |
| 600NS100-*-S??-54 | 54 | 16 | 50 | 2823 | 2823 | 2823 | 6 | 6 | 6 | 688 | 516 | 344 | 4 | 3 | 2 |
| 600NS100-*-S??-68 | 68 | 14 | 50 | 5350 | 5350 | 4554 | 11 | 11 | 10 | 828 | 621 | 414 | 4 | 3 | 2 |
| 800NS100-*-S??-33 | 33 | 20 | 33 | 474 | 474 | 474 | 3 | 3 | 3 | 292 | 219 | 146 | 4 | 3 | 2 |
| 800NS100-*-S??-43 | 43 | 18 | 33 | 1051 | 1051 | 1051 | 4 | 4 | 4 | 380 | 285 | 190 | 4 | 3 | 2 |
| 800NS100-*-S??-54 | 54 | 16 | 50 | 2091 | 2091 | 2091 | 4 | 4 | 4 | 692 | 519 | 346 | 4 | 3 | 2 |
| 800NS100-*-S??-68 | 54 | 16 | 50 | 4221 | 4221 | 4221 | 9 | 9 | 9 | 832 | 624 | 416 | 4 | 3 | 2 |

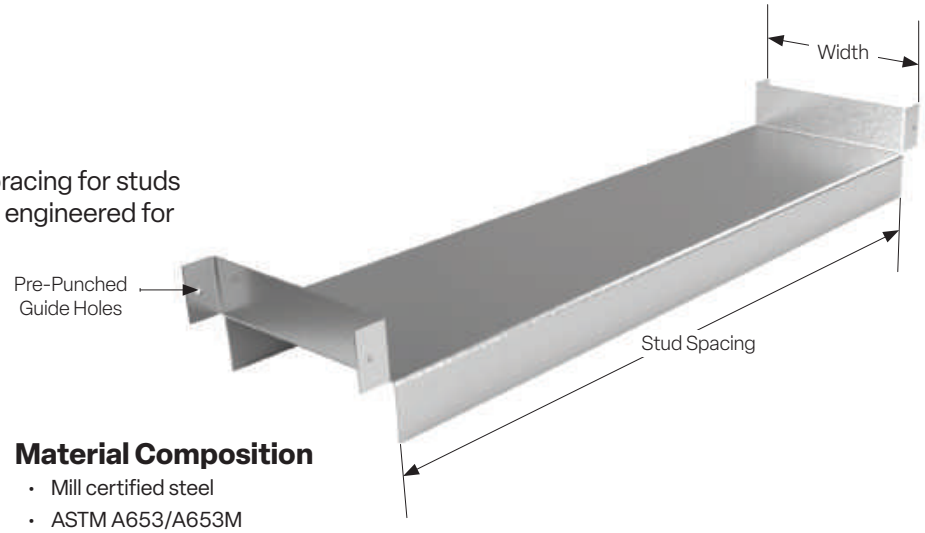
### Table Notes

1. Web height to thickness ratio exceeds 200. Web stiffeners are required at all support points and for concentrated loads.
2. Maximum point load, Pmax, is determined based on the minimum of the shear capacity or the bending capacity of the blocking/Part No., or the number of screws with proper edge distance/spacing that may be installed. Load assumed to act at mid-span through centroid of Part No., based on a span of 24". For stud spacing of 16" oc, above tables may be used conservatively.
3. Number of screws determined by dividing Pmax by capacity of #10 screw and rounding up. Screw manufacturer shall confirm that their screws meet the code-allowable capacity indicated in the table.
4. Screw capacity based on stud material with thickness and yield strength equal to the blocking/Part No. Minimum screw spacing and edge distance shall not be less than 3 times the nominal screw diameter (per SSMA). For #10 screw, 3 x d = 3 x 0.190" = 0.57".
5. Tabulated values do not consider stud capacity. Studs designed by others.
6. All calculations per AISI S100.

# TB
# Track Blocking

## Product Application

TB track blocking provides horizontal bracing for studs and joists. Track blocking is thoroughly engineered for 12", 16", and 24" stud layouts.



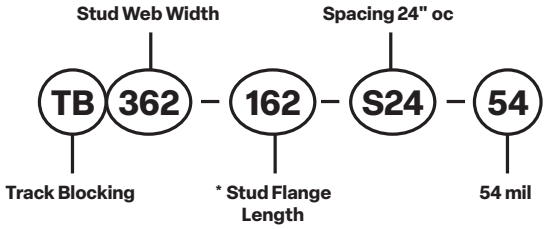

## Features and Benefits

- Available in 12", 16", and 24" stud spacing
- Custom lengths available upon request
- Pre-punched guide holes
- One-piece assembly
- 1-1/2'' standard leg size

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*

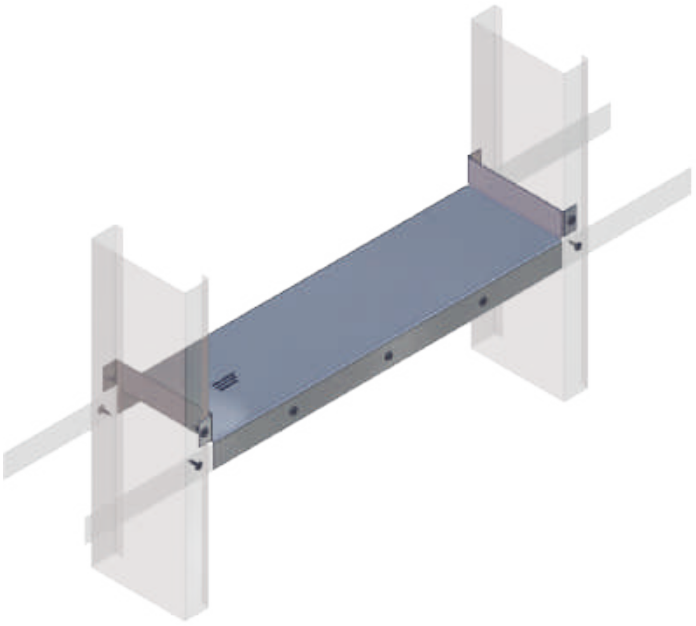
## Nomenclature Example



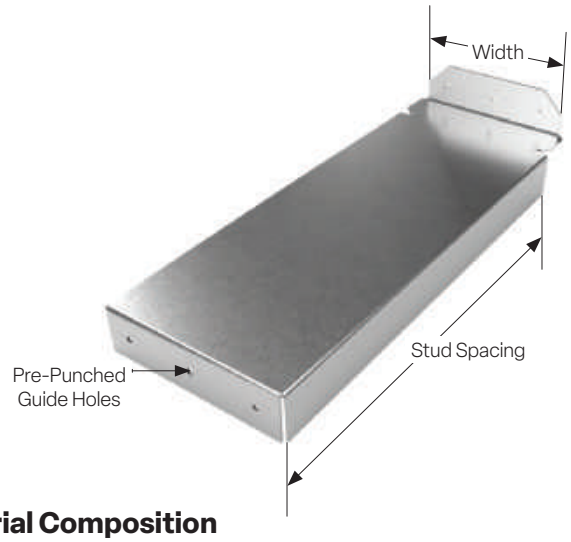

## Quantity / Order Information

| Part No. | Stud Dimensions | | |
|---|---|---|---|
| | Width | * Flange | Spacing |
| TB250-*-S12-54 | 2 ½" | 125/162/200 | 12" |
| TB250-*-S16-54 | 2 ½" | 125/162/200 | 16" |
| TB250-*-S24-54 | 2 ½" | 125/162/200 | 24" |
| TB350-*-S12-54 | 3 ½" | 125/162/200 | 12" |
| TB350-*-S16-54 | 3 ½" | 125/162/200 | 16" |
| TB350-*-S24-54 | 3 ½" | 125/162/200 | 24" |
| TB362-*-S12-54 | 3 5/8" | 125/162/200 | 12" |
| TB362-*-S16-54 | 3 5/8" | 125/162/200 | 16" |
| TB362-*-S24-54 | 3 5/8" | 125/162/200 | 24" |
| TB400-*-S12-54 | 4" | 125/162/200 | 12" |
| TB400-*-S16-54 | 4" | 125/162/200 | 16" |
| TB400-*-S24-54 | 4" | 125/162/200 | 24" |

| Part No. | Stud Dimensions | | |
|---|---|---|---|
| | Width | * Flange | Spacing |
| TB600-*-S12-54 | 6" | 125/162/200 | 12" |
| TB600-*-S16-54 | 6" | 125/162/200 | 16" |
| TB600-*-S24-54 | 6" | 125/162/200 | 24" |
| TB800-*-S12-54 | 8" | 125/162/200 | 12" |
| TB800-*-S16-54 | 8" | 125/162/200 | 16" |
| TB800-*-S24-54 | 8" | 125/162/200 | 24" |
| TB1000-*-S12-54 | 10" | 125/162/200 | 12" |
| TB1000-*-S16-54 | 10" | 125/162/200 | 16" |
| TB1000-*-S24-54 | 10" | 125/162/200 | 24" |
| TB1200-*-S12-54 | 12" | 125/162/200 | 12" |
| TB1200-*-S16-54 | 12" | 125/162/200 | 16" |
| TB1200-*-S24-54 | 12" | 125/162/200 | 24" |



# FTB
# Fire Track Blocking (Shear Blocking)




## Product Application

FTB fire track blocking provides horizontal bracing for studs and joists. Fire track blocking is thoroughly engineered for 12", 16", and 24" stud layouts with a precut flange to fit inside the stud cavity for quick installation.

FTB is also a great option for shear wall blocking and prevention of issues with in-plane load transfer. FTB provides full bearing between the wall stud webs along the shear wall.

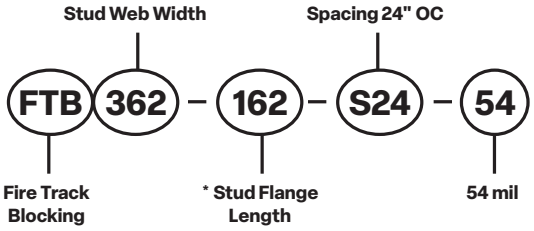
## Features and Benefits

- Available in 12", 16", and 24" stud spacing
- Custom lengths available upon request
- Pre-punched guide holes
- One-piece assembly
- Fills the whole stud cavity
- 1-1/2'' standard leg size

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*

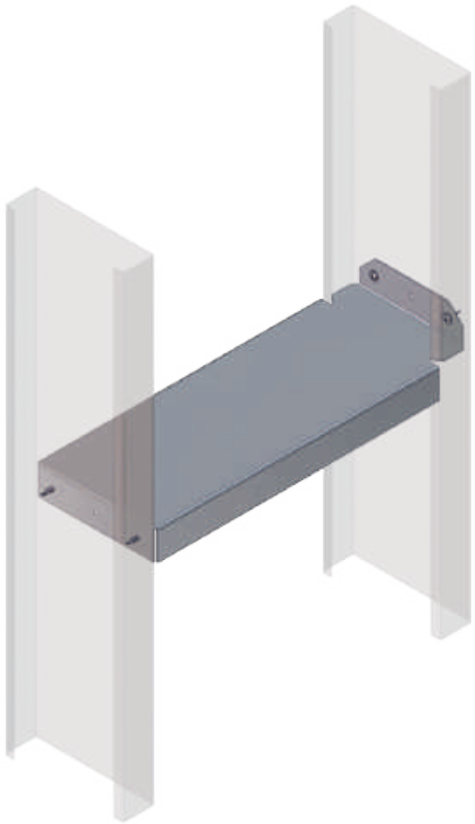
## Nomenclature Example




## Quantity / Order Information

| Part No. | Stud Dimensions | | |
|---|---|---|---|
| | Width | * Flange | Spacing |
| FTB250-*-S12-54 | 2 ½" | 125/162/200 | 12" |
| FTB250-*-S16-54 | 2 ½" | 125/162/200 | 16" |
| FTB250-*-S24-54 | 2 ½" | 125/162/200 | 24" |
| FTB350-*-S12-54 | 3 ½" | 125/162/200 | 12" |
| FTB350-*-S16-54 | 3 ½" | 125/162/200 | 16" |
| FTB350-*-S24-54 | 3 ½" | 125/162/200 | 24" |
| FTB362-*-S12-54 | 3 ⅝" | 125/162/200 | 12" |
| FTB362-*-S16-54 | 3 ⅝" | 125/162/200 | 16" |
| FTB362-*-S24-54 | 3 ⅝" | 125/162/200 | 24" |
| FTB400-*-S12-54 | 4" | 125/162/200 | 12" |
| FTB400-*-S16-54 | 4" | 125/162/200 | 16" |
| FTB400-*-S24-54 | 4" | 125/162/200 | 24" |

| Part No. | Stud Dimensions | | |
|---|---|---|---|
| | Width | * Flange | Spacing |
| FTB600-*-S12-54 | 6" | 125/162/200 | 12" |
| FTB600-*-S16-54 | 6" | 125/162/200 | 16" |
| FTB600-*-S24-54 | 6" | 125/162/200 | 24" |
| FTB800-*-S12-54 | 8" | 125/162/200 | 12" |
| FTB800-*-S16-54 | 8" | 125/162/200 | 16" |
| FTB800-*-S24-54 | 8" | 125/162/200 | 24" |
| FTB1000-*-S12-54 | 10" | 125/162/200 | 12" |
| FTB1000-*-S16-54 | 10" | 125/162/200 | 16" |
| FTB1000-*-S24-54 | 10" | 125/162/200 | 24" |
| FTB1200-*-S12-54 | 12" | 125/162/200 | 12" |
| FTB1200-*-S16-54 | 12" | 125/162/200 | 16" |
| FTB1200-*-S24-54 | 12" | 125/162/200 | 24" |



# WST
# Web Stiffener Track


## Product Application

The WST web stiffener track clip prevents web crippling due to critical load buildup for joists or wall studs. Thoroughly engineered, the WST includes a strengthening rib and specific layout of pre-punched guide holes for ultimate reinforcing.

## Features and Benefits

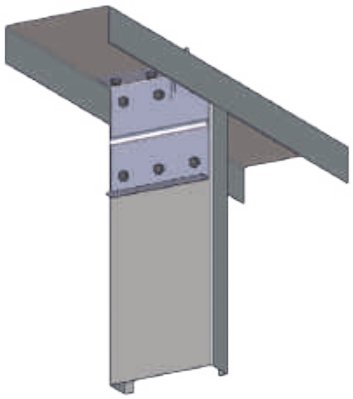
- Pre-punched guide holes
- Variety of lengths available
- Prevents web crippling
- One-piece assembly

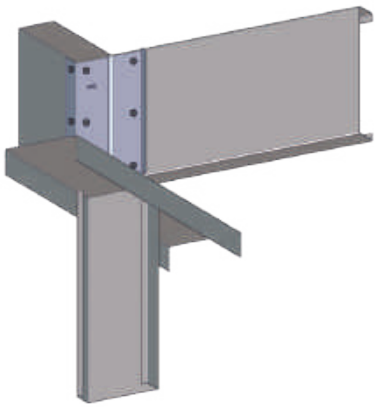
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

## Quantity / Order Information

| Part No. | Dimensions | | Stud Width |
|---|---|---|---|
| | Width | Height | |
| 600WST350 | 3 1/2" | 5 5/8" | 6" |
| 800WST350 | 3 1/2" | 7 5/8" | 8" |
| 1000WST350 | 3 1/2" | 9 5/8" | 10" |
| 1200WST350 | 3 1/2" | 11 5/8" | 12" |
| 1400WST350 | 3 1/2" | 13 5/8" | 14" |
| 600WST600 | 6" | 5 5/8" | 6" |
| 800WST600 | 6" | 7 5/8" | 8" |
| 1000WST600 | 6" | 9 5/8" | 10" |
| 1200WST600 | 6" | 11 5/8" | 12" |
| 1400WST600 | 6" | 13 5/8" | 14" |





# ELEV
# Elevator Stud Splice Clip (Patent Pending)


## Product Application

The ELEV elevator stud splice clip is used to join two shorter stud members into one long member for jobsites where elevator transportation limits the allowable stud length.

## Features and Benefits

- Available in widths of 3.5" to 6"
  - Other widths available upon request
- Available in standard 24" lengths
- Pre-punched guide holes
- Customizes lengths without additional cutting
- Splice design calculations available, contact Technical@SCAFCO.com

## Material Composition

- Mill certified steel
- ASTM: A653/A653M
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 galvanized coating*
- Contact Technical@SCAFCO.com for additional material thickness

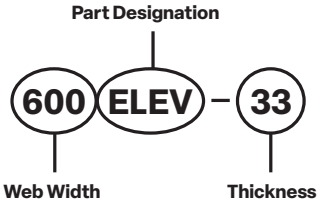
## Quantity / Order Information

| Part No. | Stud Dimensions | |
|---|---|---|
| | Width | Flange |
| 350ELEV-33 | 3 ½" | 125 |
| 362ELEV-33 | 3 ⅝" | 125 |
| 400ELEV-33 | 4" | 125 |
| 550ELEV-33 | 5 ½" | 125 |
| 600ELEV-33 | 6" | 125 |

### Table Notes

1. ELEV Clips come in 24" standard length. Custom length available upon request.
2. ELEV Clips come with standard 1 ¼" legs. Longer legs available upon request.

## Nomenclature Example

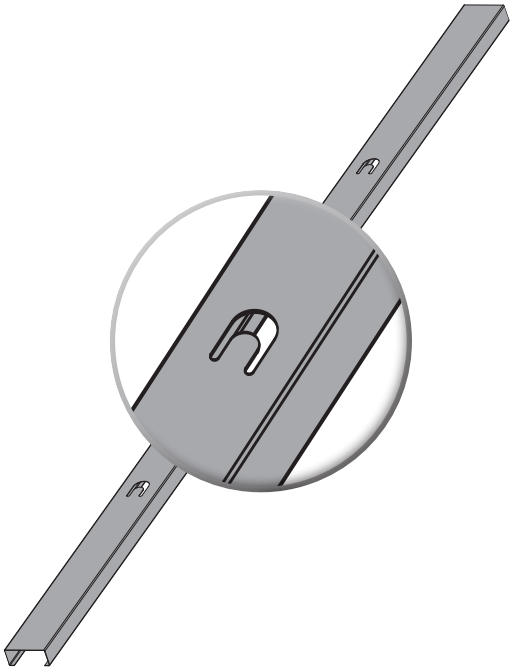



Web Screws

Flange Screws

Web Screw Configuration Depicted

# K
# Kwik-Bridge Punch System



## Product Application

The Kwik-Bridge Punch System is a unique patented design that incorporates a tab into the punchout of the stud, resulting in a clean connection and reduced labor. The Kwik-Bridge Punch System eliminates extra components required in traditional bridging installation and can be used with regular cold roll channel (CRC).

The CRC is installed through the stud punchouts perpendicular to the framing and at a pre-determined spacing along the height of the wall. Once the channel is positioned horizontally within the wall cavity, a method of securing the channel to each individual stud will be selected according to the design criteria for the assembly.

Typically, positive attachment is achieved through welding or by using angle clips and screws. The Kwik-Bridge Punch System serves as an alternative method of achieving positive attachment of the cold rolled channel to the steel stud. Patent No. 5943838.

## Features and Benefits

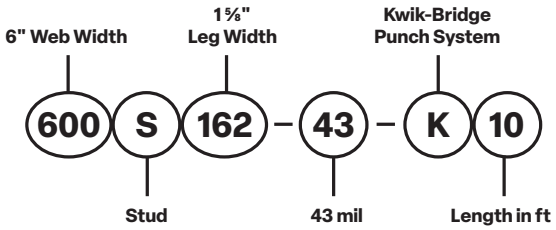
- Eliminates use of clip angles, bridging clips, and welding
- No pre-determined stud layout required
- Faster installation, saving up to 40% in combined labor and material costs
- Bend tabs to 90° and attach cold roll channel with only 2 screws
- Contact Technical@SCAFCO.com for allowable loads

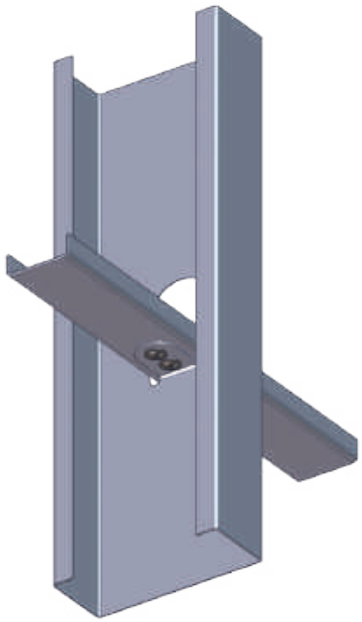
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- Available mil thicknesses
  - *18, 20EQ, 30EQD, 33EQS, 43EQS, 30, 33, 43, and 54*
  - *Not available in 25EQ, 68, 97, or 118*
- Available web widths
  - *3 ½", 3 ⅝", 4", 5 ½", and 6"*
  - *Not available in 1 ⅝" or 2 ½" web widths*
  - *Not recommended for 8" or greater web widths*

## Nomenclature Example

The Kwik-Bridge Punch System uses the standard SSMA/SSFSA nomenclature, but adds a letter "K" at the end of the product identification. Use the following example when ordering studs with the Kwik-Bridge Punch System.



# Ponywall

## Product Application

SCAFCO's ponywall supports are manufactured from prime domestic steel and assembled with certified welds, providing superior strength and durability. Their unique rigid design and ease of installation makes them the preferred choice over conventional ponywall construction methods. Ponywall supports are stocked in 34", 48", and 60" heights, but can be special ordered to meet required design specifications.

## Features and Benefits

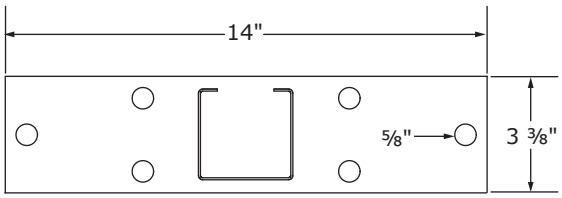
- Pre-punched guide holes
- Standard heights are 34", 48", and 60"
- Custom heights available
- Welded construction

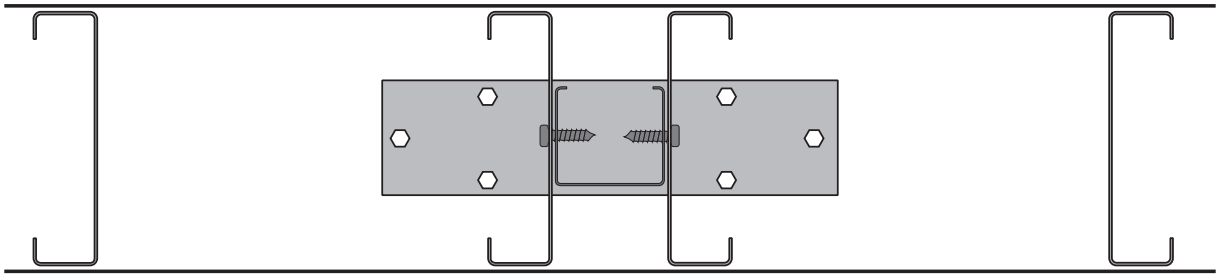
**Contact technical@SCAFCO.com for allowable loads**

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- Support stud
  - *97 mil*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*
- Base plate
  - *200 mil*
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*

The upright support stud is made from a 362S250-97 stud centered and welded to the base plate.



# Priceless Header & Kwik Jamb System

## Product Application

The Priceless Header and Kwik-Jamb System is designed, cut to length, and ready to install. This precut assembly will help standardize the installation process while eliminating labor-intensive and expensive conventional methods. In openings where additional strength is required, this system is excellent for load bearing applications.

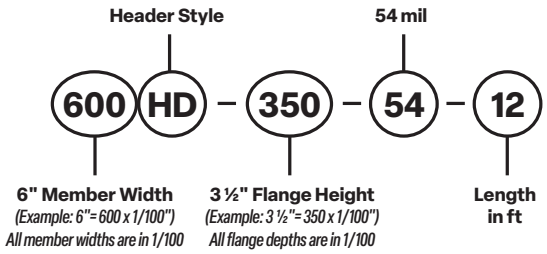
To simplify engineering, the Priceless Header and Kwik-Jamb system has several standard details available that can be easily imported into most CAD programs. With individual section property tables included, this unique header and jamb system creates simplicity for the architect, engineer, and contractor.

## Features and Benefits

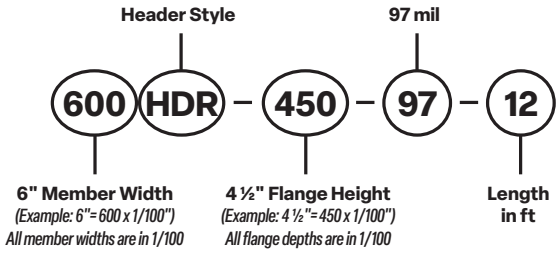
- Simplifies engineer design for jambs and header sizing
- Design software available for engineers and architects
- Attachment clip provides easy connections to Kwik-Jamb
- Flush finish eliminating build up at the header-jamb connection
- Saves 70 to 80 percent on labor costs
- Pre-cut engineered assembly reducing waste
- No cutting stud flanges or welding required
- Improved stiffness for deflection
- Excellent for load bearing applications
- Excellent bending strength in both (x) and (y) directions
- Meets or exceeds building code criteria
- CAD details available at SCAFCO.com

## Nomenclature Example

### HD Header




### HDR Header




## Order Information

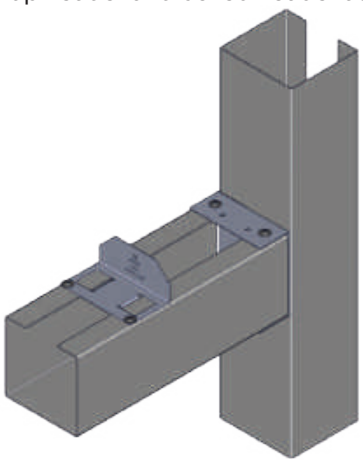
Priceless Headers are to be ordered to rough opening width. SCAFCO's engineering department will adjust the member length to accommodate for clip thickness and screw build-up to provide a true fit.

IAPMO UNIFORM ER 0342

# Priceless Header & Kwik Jamb System

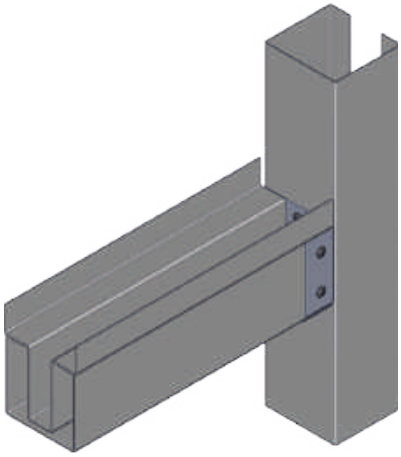
### HD Header

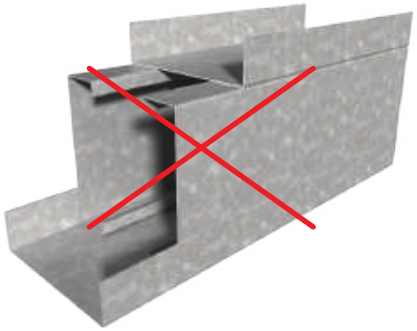
SCAFCO's HD Header replaces the stud-in-track built-up header and boxed header assemblies.



### HDR Header

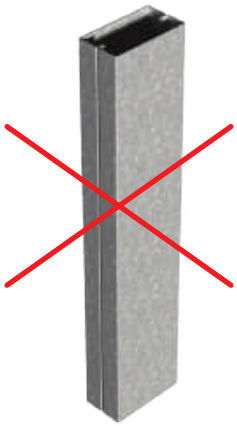
SCAFCO's HDR Header replaces the traditional boxed header system for conditions with greater vertical and lateral loads.





### Kwik-Jamb Stud

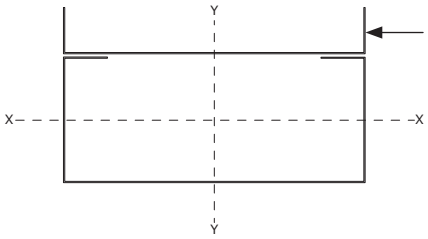
SCAFCO's Kwik-Jamb stud replaces the back-to-back studs and boxed stud assemblies.



# Priceless HD Header

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 33EQS
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 galvanized coating*
- 43EQS
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 galvanized coating*
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 97 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 127 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*




*Track strength not included in the section properties*

## Section Properties

| Part No. | Design Thickness (in) | Fy (ksi) | Gross Properties | | | | | | Effective Properties x-x | | | | | | Effective Properties y-y | | | Distortional | Shear | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Area ($in^2$) | wt (lb/ft) | Ix ($in^4$) | Rx (in) | Iy ($in^4$) | Ry (in) | Ix (+) ($in^4$) | Sx (+) ($in^3$) | Max (+) (in-k) | Ix (-) ($in^4$) | Sx (-) ($in^3$) | Max (-) (in-k) | Iy ($in^4$) | Sy ($in^3$) | May (in-k) | May (in-k) | Vax (lb) | Vay (lb) |
| 350HD300-33EQS | 0.0295 | 57 | 0.331 | 1.13 | 0.459 | 1.178 | 0.710 | 1.465 | 0.416 | 0.163 | 4.64 | 0.383 | 0.141 | 4.02 | 0.586 | 0.209 | 5.95 | 7.61 | 696 | 1642 |
| 350HD300-43EQS | 0.0400 | 57 | 0.447 | 1.52 | 0.616 | 1.173 | 0.954 | 1.461 | 0.589 | 0.261 | 8.92 | 0.552 | 0.236 | 8.07 | 0.845 | 0.349 | 11.92 | 13.88 | 1741 | 3596 |
| 350HD350-54 | 0.0566 | 57 | 0.684 | 2.33 | 1.224 | 1.338 | 1.491 | 1.477 | 1.191 | 0.553 | 18.88 | 1.148 | 0.589 | 20.09 | 1.371 | 0.641 | 21.87 | 22.32 | 3600 | 7200 |
| 350HD350-68 | 0.0713 | 57 | 0.853 | 2.90 | 1.509 | 1.330 | 1.843 | 1.470 | 1.509 | 0.735 | 25.08 | 1.503 | 0.747 | 25.51 | 1.801 | 0.851 | 29.04 | 30.06 | 4791 | 9582 |
| 350HD350-97 | 0.1017 | 57 | 1.194 | 4.06 | 2.057 | 1.312 | 2.525 | 1.454 | 2.057 | 1.046 | 35.70 | 2.057 | 1.046 | 35.70 | 2.525 | 1.248 | 42.60 | 46.49 | 6503 | 13006 |
| 362HD300-33EQS | 0.0295 | 57 | 0.335 | 1.14 | 0.465 | 1.179 | 0.769 | 1.516 | 0.421 | 0.163 | 4.66 | 0.384 | 0.139 | 3.97 | 0.636 | 0.218 | 6.21 | 7.94 | 670 | 1642 |
| 362HD300-43EQS | 0.0400 | 57 | 0.452 | 1.54 | 0.624 | 1.175 | 1.033 | 1.511 | 0.600 | 0.262 | 8.94 | 0.557 | 0.234 | 7.99 | 0.916 | 0.364 | 12.42 | 14.47 | 1677 | 3596 |
| 362HD350-54 | 0.0566 | 57 | 0.691 | 2.35 | 1.240 | 1.340 | 1.613 | 1.528 | 1.206 | 0.556 | 18.98 | 1.153 | 0.589 | 20.12 | 1.484 | 0.671 | 22.89 | 23.17 | 3600 | 7200 |
| 362HD350-68 | 0.0713 | 57 | 0.862 | 2.93 | 1.529 | 1.332 | 1.995 | 1.521 | 1.529 | 0.739 | 25.21 | 1.513 | 0.749 | 25.55 | 1.949 | 0.890 | 30.38 | 31.23 | 4981 | 9582 |
| 362HD350-97 | 0.1017 | 57 | 1.207 | 4.11 | 2.085 | 1.314 | 2.735 | 1.505 | 2.085 | 1.052 | 35.89 | 2.085 | 1.052 | 35.89 | 2.735 | 1.304 | 44.52 | 48.39 | 6775 | 13006 |
| 400HD300-33EQS | 0.0295 | 57 | 0.346 | 1.18 | 0.483 | 1.181 | 0.960 | 1.666 | 0.414 | 0.164 | 4.68 | 0.385 | 0.135 | 3.85 | 0.790 | 0.245 | 6.98 | 8.85 | 604 | 1642 |
| 400HD300-43EQS | 0.0400 | 57 | 0.467 | 1.59 | 0.647 | 1.177 | 1.290 | 1.662 | 0.609 | 0.263 | 8.96 | 0.555 | 0.228 | 7.77 | 1.139 | 0.410 | 14.01 | 16.09 | 1510 | 3596 |
| 400HD350-54 | 0.0566 | 57 | 0.712 | 2.42 | 1.286 | 1.344 | 2.012 | 1.681 | 1.251 | 0.564 | 19.26 | 1.167 | 0.591 | 20.18 | 1.854 | 0.762 | 26.00 | 25.74 | 3600 | 7200 |
| 400HD350-68 | 0.0713 | 57 | 0.889 | 3.03 | 1.586 | 1.336 | 2.491 | 1.674 | 1.586 | 0.750 | 25.58 | 1.540 | 0.752 | 25.67 | 2.434 | 1.010 | 34.49 | 34.77 | 5553 | 9582 |
| 400HD350-97 | 0.1017 | 57 | 1.245 | 4.24 | 2.164 | 1.318 | 3.422 | 1.658 | 2.164 | 1.067 | 36.43 | 2.164 | 1.067 | 36.42 | 3.422 | 1.478 | 50.43 | 54.13 | 7590 | 13006 |
| 550HD300-33EQS | 0.0295 | 57 | 0.390 | 1.33 | 0.542 | 1.179 | 1.975 | 2.250 | 0.485 | 0.171 | 4.87 | 0.395 | 0.120 | 3.42 | 1.612 | 0.361 | 10.30 | 12.47 | 433 | 1642 |
| 550HD300-43EQS | 0.0400 | 57 | 0.527 | 1.79 | 0.727 | 1.174 | 2.659 | 2.246 | 0.678 | 0.267 | 9.10 | 0.570 | 0.202 | 6.90 | 2.328 | 0.606 | 20.70 | 22.82 | 1080 | 3596 |
| 550HD350-54 | 0.0566 | 57 | 0.797 | 2.71 | 1.445 | 1.347 | 4.124 | 2.275 | 1.404 | 0.589 | 20.10 | 1.203 | 0.596 | 20.34 | 3.820 | 1.157 | 39.50 | 36.14 | 3093 | 7200 |
| 550HD350-68 | 0.0713 | 57 | 0.996 | 3.39 | 1.784 | 1.338 | 5.118 | 2.267 | 1.784 | 0.784 | 26.74 | 1.612 | 0.761 | 25.98 | 5.002 | 1.528 | 52.16 | 49.17 | 5713 | 9582 |
| 550HD350-97 | 0.1017 | 57 | 1.398 | 4.76 | 2.439 | 1.321 | 7.073 | 2.250 | 2.439 | 1.117 | 38.14 | 2.439 | 1.090 | 37.20 | 7.073 | 2.224 | 75.89 | 77.66 | 10851 | 13006 |
| 600HD300-33EQS | 0.0295 | 57 | 0.405 | 1.38 | 0.559 | 1.175 | 2.408 | 2.439 | 0.500 | 0.172 | 4.91 | 0.398 | 0.116 | 3.31 | 1.958 | 0.401 | 11.44 | 13.69 | 395 | 1642 |
| 600HD300-43EQS | 0.0400 | 57 | 0.547 | 1.86 | 0.750 | 1.171 | 3.243 | 2.435 | 0.699 | 0.268 | 9.16 | 0.574 | 0.196 | 6.68 | 2.830 | 0.674 | 23.00 | 25.07 | 987 | 3596 |
| 600HD350-54 | 0.0566 | 57 | 0.825 | 2.81 | 1.491 | 1.344 | 5.022 | 2.467 | 1.449 | 0.591 | 20.16 | 1.211 | 0.597 | 20.38 | 4.659 | 1.300 | 44.35 | 39.66 | 2823 | 7200 |
| 600HD350-68 | 0.0713 | 57 | 1.032 | 3.51 | 1.841 | 1.336 | 6.237 | 2.459 | 1.841 | 0.792 | 27.05 | 1.628 | 0.763 | 26.04 | 6.095 | 1.713 | 58.47 | 54.05 | 5713 | 9582 |
| 600HD350-97 | 0.1017 | 57 | 1.449 | 4.93 | 2.518 | 1.318 | 8.631 | 2.441 | 2.518 | 1.130 | 38.58 | 2.481 | 1.095 | 37.37 | 8.631 | 2.491 | 85.01 | 85.69 | 11622 | 13006 |
| 800HD300-43EQS | 0.0400 | 57 | 0.627 | 2.13 | 0.826 | 1.148 | 6.291 | 3.167 | 0.769 | 0.274 | 9.34 | 0.586 | 0.177 | 6.03 | 5.267 | 0.915 | 31.23 | 34.08 | 733 | 3596 |
| 800HD350-54 | 0.0566 | 57 | 0.938 | 3.19 | 1.646 | 1.325 | 9.683 | 3.212 | 1.603 | 0.596 | 20.33 | 1.233 | 0.600 | 20.47 | 9.015 | 1.919 | 65.50 | 53.88 | 2091 | 7200 |
| 800HD350-68 | 0.0713 | 57 | 1.174 | 4.00 | 2.034 | 1.316 | 12.046 | 3.203 | 2.034 | 0.820 | 27.99 | 1.672 | 0.768 | 26.22 | 11.773 | 2.517 | 85.90 | 73.88 | 4221 | 9582 |
| 800HD350-97 | 0.1017 | 57 | 1.652 | 5.62 | 2.784 | 1.298 | 16.737 | 3.183 | 2.784 | 1.171 | 39.97 | 2.599 | 1.108 | 37.80 | 16.737 | 3.649 | 124.54 | 118.57 | 11622 | 13006 |

*For Priceless Header to Kwik-Jamb connection clip capacities, contact SCAFCO's engineering department at 509-789-8669 or Technical@SCAFCO.com.*

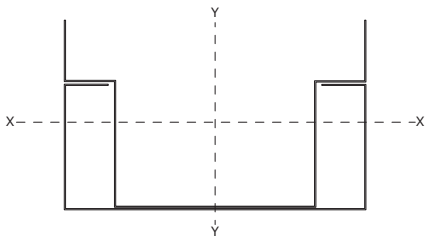
**Table Notes:**

1. Effective properties based on the "North American Specification for the Design of Cold-Formed Structural Members," (NASPEC).
2. Effective Ixx, Iyy is the Moment of Inertia for deflection based on NASPEC 'Procedure 1.'
3. Allowable Moment (Max and May) of combined section are based on a non-composite relative stiffness model.
4. Distortional buckling is based on Kf = 0.
5. Max-x is for bending about the x-x axis. May-y is for bending about the y-y axis.
6. Vax is the allowable shear force parallel to the x-x axis. Vay is the allowable shear force parallel to the y-y axis.

# Priceless HDR Header

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 33EQS
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 galvanized coating*
- 43EQS
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 galvanized coating*
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 97 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 127 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*




## Section Properties

| Part No. | Design Thickness (in) | Fy (ksi) | Gross Properties | | | | | | Effective Properties x-x | | | | | | Effective Properties y-y | | | Distortional | Shear | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Area ($in^2$) | wt (lb/ft) | Ix ($in^4$) | Rx (in) | Iy ($in^4$) | Ry (in) | Ix (+) ($in^4$) | Sx (+) ($in^3$) | Max (+) (in-k) | Ix (-) ($in^4$) | Sx (-) ($in^3$) | Max (-) (in-k) | Iy ($in^4$) | Sy ($in^3$) | May (in-k) | May (in-k) | Vax (lb) | Vay (lb) |
| 350HDR200-33EQS | 0.0295 | 57 | 0.541 | 1.842 | 0.419 | 0.880 | 0.854 | 1.256 | 0.321 | 0.150 | 5.1 | 0.389 | 0.226 | 7.72 | 0.707 | 0.340 | 11.590 | 11.75 | 1195 | 4330 |
| 350HDR350-54 | 0.0566 | 57 | 1.368 | 4.654 | 2.597 | 1.378 | 2.146 | 1.253 | 2.514 | 0.907 | 31.0 | 2.599 | 1.080 | 36.87 | 1.944 | 0.913 | 31.150 | 31.55 | 5519 | 15712 |
| 350HDR350-68 | 0.0713 | 57 | 1.710 | 5.817 | 3.205 | 1.369 | 2.658 | 1.247 | 3.242 | 1.201 | 41.0 | 3.284 | 1.372 | 46.83 | 2.492 | 1.183 | 40.390 | 42.82 | 7097 | 21837 |
| 350HDR350-97 | 0.1017 | 57 | 2.400 | 8.165 | 4.375 | 1.350 | 3.660 | 1.235 | 4.510 | 1.889 | 64.5 | 4.510 | 1.889 | 64.49 | 3.548 | 1.774 | 60.560 | 65.10 | 9614 | 30185 |
| 362HDR200-33EQS | 0.0295 | 57 | 0.549 | 1.868 | 0.430 | 0.885 | 0.933 | 1.304 | 0.329 | 0.152 | 5.2 | 0.402 | 0.231 | 7.88 | 0.777 | 0.360 | 12.300 | 12.46 | 1161 | 4378 |
| 362HDR350-54 | 0.0566 | 57 | 1.382 | 4.702 | 2.650 | 1.385 | 2.345 | 1.303 | 2.564 | 0.917 | 31.3 | 2.642 | 1.087 | 37.09 | 2.133 | 0.967 | 32.990 | 33.14 | 5580 | 15812 |
| 362HDR350-68 | 0.0713 | 57 | 1.727 | 5.878 | 3.270 | 1.376 | 2.906 | 1.297 | 3.307 | 1.215 | 41.5 | 3.351 | 1.386 | 47.32 | 2.731 | 1.253 | 42.750 | 45.00 | 7470 | 21981 |
| 362HDR350-97 | 0.1017 | 57 | 2.425 | 8.252 | 4.468 | 1.357 | 4.003 | 1.285 | 4.606 | 1.930 | 65.9 | 4.606 | 1.930 | 65.87 | 3.889 | 1.876 | 64.020 | 69.05 | 10132 | 30022 |
| 400HDR200-33EQS | 0.0295 | 57 | 0.571 | 1.943 | 0.460 | 0.897 | 1.196 | 1.447 | 0.352 | 0.159 | 5.4 | 0.426 | 0.236 | 8.05 | 1.010 | 0.425 | 14.520 | 14.39 | 1070 | 4506 |
| 400HDR350-54 | 0.0566 | 57 | 1.424 | 4.846 | 2.802 | 1.403 | 3.008 | 1.453 | 2.707 | 0.945 | 32.3 | 2.764 | 1.107 | 37.77 | 2.761 | 1.135 | 38.740 | 38.00 | 5749 | 16087 |
| 400HDR350-68 | 0.0713 | 57 | 1.781 | 6.060 | 3.460 | 1.394 | 3.730 | 1.447 | 3.496 | 1.252 | 42.7 | 3.517 | 1.416 | 48.33 | 3.526 | 1.468 | 50.100 | 51.67 | 8605 | 21802 |
| 400HDR350-97 | 0.1017 | 57 | 2.501 | 8.511 | 4.735 | 1.376 | 5.146 | 1.434 | 4.880 | 1.988 | 67.9 | 4.880 | 1.988 | 67.85 | 5.027 | 2.192 | 74.800 | 80.54 | 11713 | 29596 |
| 550HDR200-33EQS | 0.0295 | 57 | 0.659 | 2.244 | 0.560 | 0.921 | 2.663 | 2.010 | 0.425 | 0.177 | 6.0 | 0.506 | 0.253 | 8.65 | 2.315 | 0.719 | 24.540 | 21.99 | 809 | 4637 |
| 550HDR350-54 | 0.0566 | 57 | 1.594 | 5.424 | 3.328 | 1.445 | 6.692 | 2.049 | 3.203 | 1.032 | 35.2 | 3.179 | 1.165 | 39.76 | 6.247 | 1.882 | 64.250 | 58.03 | 5477 | 15540 |
| 550HDR450-68 | 0.0713 | 57 | 2.280 | 7.758 | 7.220 | 1.779 | 9.692 | 2.062 | 7.236 | 2.055 | 70.1 | 7.061 | 2.199 | 75.04 | 8.842 | 2.498 | 85.240 | 83.46 | 9874 | 24432 |
| 550HDR450-97 | 0.1017 | 57 | 3.213 | 10.934 | 9.976 | 1.762 | 13.456 | 2.046 | 10.199 | 3.202 | 109.3 | 10.199 | 3.202 | 109.29 | 12.800 | 3.780 | 129.020 | 132.53 | 18071 | 36991 |
| 550HDR450-127 | 0.1337 | 57 | 4.170 | 14.191 | 12.675 | 1.743 | 17.185 | 2.030 | 13.040 | 4.130 | 141.0 | 13.040 | 4.130 | 140.97 | 16.831 | 5.189 | 177.100 | 184.98 | 22550 | 46189 |
| 600HDR200-33EQS | 0.0295 | 57 | 0.689 | 2.344 | 0.588 | 0.924 | 3.313 | 2.193 | 0.445 | 0.181 | 6.2 | 0.528 | 0.258 | 8.80 | 2.896 | 0.828 | 28.270 | 24.54 | 748 | 4572 |
| 600HDR350-54 | 0.0566 | 57 | 1.651 | 5.617 | 3.480 | 1.452 | 8.309 | 2.244 | 3.346 | 1.055 | 36.0 | 3.296 | 1.179 | 40.24 | 7.774 | 2.155 | 73.560 | 64.83 | 5073 | 15290 |
| 600HDR450-68 | 0.0713 | 57 | 2.351 | 8.001 | 7.534 | 1.790 | 12.030 | 2.262 | 7.547 | 2.097 | 71.6 | 7.304 | 2.223 | 75.88 | 10.992 | 2.865 | 97.800 | 93.31 | 10071 | 24048 |
| 600HDR450-97 | 0.1017 | 57 | 3.315 | 11.280 | 10.419 | 1.773 | 16.724 | 2.246 | 10.650 | 3.266 | 111.5 | 10.592 | 3.249 | 110.89 | 15.933 | 4.336 | 147.980 | 148.89 | 20283 | 36505 |
| 600HDR450-127 | 0.1337 | 57 | 4.304 | 14.646 | 13.248 | 1.754 | 21.389 | 2.229 | 13.632 | 4.216 | 143.9 | 13.632 | 4.216 | 143.89 | 20.975 | 5.940 | 202.750 | 208.33 | 25468 | 45817 |
| 800HDR250-43EQS | 0.0400 | 57 | 1.173 | 3.990 | 1.418 | 1.100 | 10.158 | 2.943 | 1.205 | 0.415 | 14.2 | 1.274 | 0.512 | 17.46 | 9.322 | 1.984 | 67.710 | 55.02 | 1405 | 7554 |
| 800HDR350-54 | 0.0566 | 57 | 1.877 | 6.387 | 3.996 | 1.459 | 16.912 | 3.002 | 3.831 | 1.124 | 38.3 | 3.689 | 1.220 | 41.66 | 15.905 | 3.355 | 114.520 | 92.48 | 3911 | 14578 |
| 800HDR450-68 | 0.0713 | 57 | 2.637 | 8.971 | 8.624 | 1.809 | 24.410 | 3.043 | 8.621 | 2.229 | 76.1 | 8.131 | 2.295 | 78.33 | 22.386 | 4.487 | 153.150 | 133.38 | 7977 | 22907 |
| 800HDR450-97 | 0.1017 | 57 | 3.722 | 12.664 | 11.950 | 1.792 | 34.065 | 3.025 | 12.209 | 3.468 | 118.4 | 11.877 | 3.373 | 115.14 | 32.582 | 6.781 | 231.440 | 216.29 | 21515 | 34910 |
| 800HDR450-127 | 0.1337 | 57 | 4.839 | 16.466 | 15.228 | 1.774 | 43.750 | 3.007 | 15.676 | 4.482 | 153.0 | 15.676 | 4.482 | 152.98 | 43.028 | 9.231 | 315.070 | 305.28 | 36407 | 44763 |
| 1000HDR250-54 | 0.0566 | 57 | 1.877 | 6.387 | 2.165 | 1.074 | 24.835 | 3.637 | 2.052 | 0.674 | 23.0 | 2.017 | 0.767 | 26.18 | 24.228 | 4.482 | 152.990 | 114.68 | 3227 | 10838 |
| 1000HDR450-68 | 0.0713 | 57 | 2.922 | 9.942 | 9.502 | 1.803 | 42.063 | 3.794 | 9.485 | 2.322 | 79.3 | 8.782 | 2.342 | 79.92 | 38.673 | 6.333 | 216.150 | 174.07 | 6493 | 22159 |
| 1000HDR450-97 | 0.1017 | 57 | 4.129 | 14.048 | 13.181 | 1.787 | 58.850 | 3.775 | 13.463 | 3.608 | 123.2 | 12.871 | 3.450 | 117.74 | 56.424 | 9.554 | 326.090 | 285.79 | 19146 | 33814 |
| 1000HDR450-127 | 0.1337 | 57 | 5.374 | 18.286 | 16.816 | 1.769 | 75.789 | 3.755 | 17.317 | 4.667 | 159.3 | 17.085 | 4.605 | 157.17 | 74.641 | 12.941 | 441.700 | 406.41 | 37650 | 43515 |
| 1200HDR250-54 | 0.0566 | 57 | 2.103 | 7.157 | 2.321 | 1.051 | 39.181 | 4.316 | 2.194 | 0.693 | 23.7 | 2.142 | 0.780 | 26.64 | 38.367 | 5.565 | 189.960 | 139.23 | 2711 | 10635 |
| 1200HDR450-68 | 0.0713 | 57 | 3.207 | 10.912 | 10.225 | 1.786 | 65.559 | 4.521 | 10.196 | 2.391 | 81.6 | 9.313 | 2.374 | 81.04 | 60.471 | 8.398 | 286.640 | 214.95 | 5471 | 21634 |
| 1200HDR450-97 | 0.1017 | 57 | 4.535 | 15.433 | 14.193 | 1.769 | 91.891 | 4.501 | 14.494 | 3.712 | 126.7 | 13.669 | 3.501 | 119.50 | 88.271 | 12.634 | 431.220 | 356.18 | 16121 | 33023 |
| 1200HDR450-127 | 0.1337 | 57 | 5.909 | 20.105 | 18.120 | 1.751 | 118.575 | 4.480 | 18.663 | 4.804 | 164.0 | 18.199 | 4.684 | 159.88 | 116.884 | 17.045 | 581.790 | 510.06 | 36349 | 42568 |

*For Priceless Header to Kwik-Jamb connection clip capacities, contact SCAFCO's engineering department at 509-789-8669 or Technical@SCAFCO.com.*

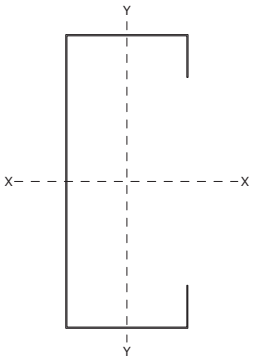
**Table Notes:**

1. Effective properties based on the "North American Specification for the Design of Cold-Formed Structural Members," (NASPEC).
2. Effective Ixx, Iyy is the Moment of Inertia for deflection based on NASPEC 'Procedure 1.'
3. Allowable Moment (Max and May) of combined section are based on a non-composite relative stiffness model.
4. Distortional buckling is based on Kf = 0.
5. Max-x is for bending about the x-x axis. May-y is for bending about the y-y axis.
6. Vax is the allowable shear force parallel to the x-x axis. Vay is the allowable shear force parallel to the y-y axis.

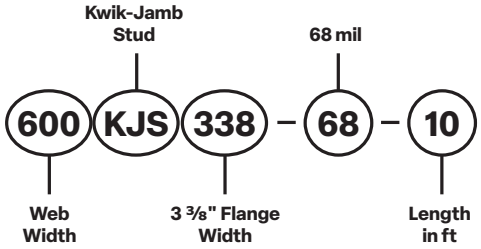
# Priceless Kwik-Jamb Studs

## Material Composition

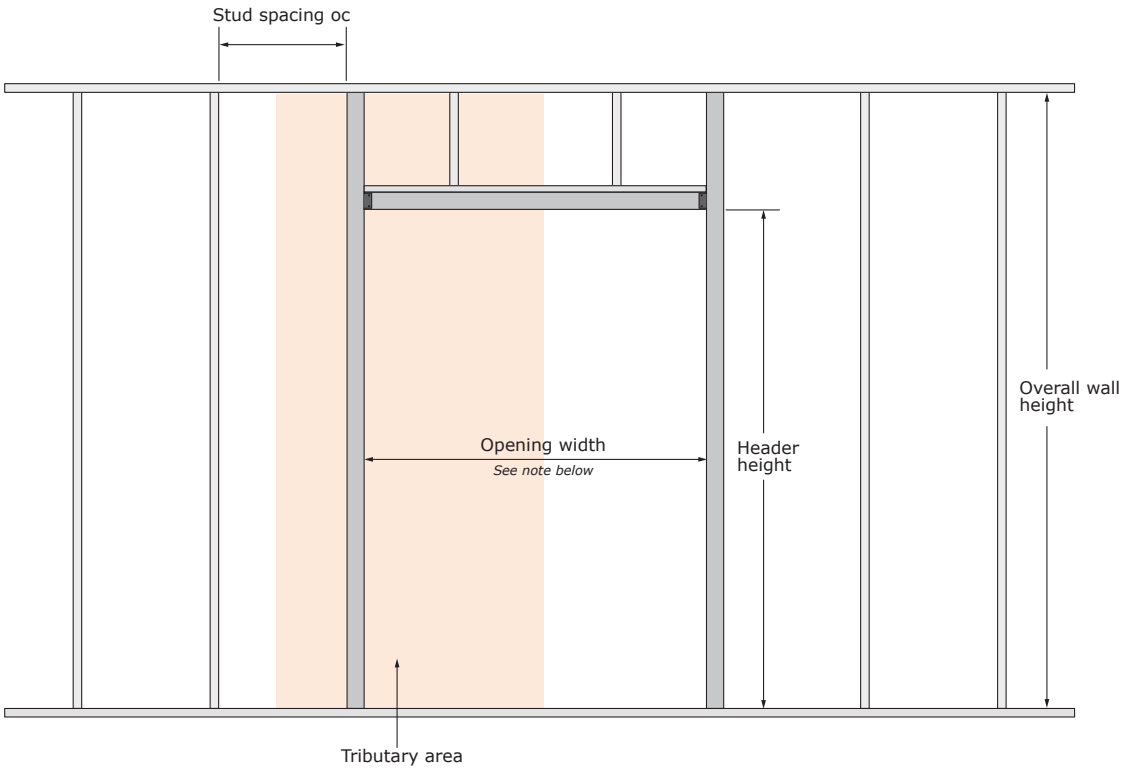
- Mill certified steel
- ASTM A653/A653M
- Mill certified steel
- ASTM A653/A653M
- 43EQS
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 galvanized coating*
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 97 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 127 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G90 galvanized coating*




## Nomenclature Example




## Design Diagram Example




*Note: Priceless Headers are to be ordered to rough opening width. SCAFCO's engineering department will adjust the member length to accommodate for clip thickness and screw build-up to provide a true fit.*

# Priceless Kwik-Jamb Studs

## Section Properties

| Part No. | Design Thickness (in) | Fy (ksi) | Gross Properties | | | | | | | Effective Properties | | | | | | | Torsional Properties | | | | | ß | Lu (in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Area ($in^2$) | wt (lb/ft) | Ixx ($in^4$) | Sxx ($in^3$) | Rx (in) | Iyy ($in^4$) | Ry (in) | Ixx ($in^4$) | Sxx ($in^3$) | MaFy (in-k) | Ma-Dist (in-k) | KΦC (in-lb/in) | Vag (lb) | VaNet (lb) | Jx1000 ($in^4$) | Cw ($in^6$) | Xo (in) | m (in) | Ro (in) | | |
| 350KJS238-43EQS | 0.0400 | 57 | 0.367 | 1.25 | 0.778 | 0.444 | 1.455 | 0.300 | 0.905 | 0.744 | 0.307 | 10.470 | 10.770 | 0.00 | 1741 | 714 | 0.196 | 0.917 | -2.107 | 1.226 | 2.716 | 0.398 | 46.8 |
| 350KJS238-54 | 0.0566 | 57 | 0.514 | 1.75 | 1.076 | 0.615 | 1.447 | 0.413 | 0.896 | 1.071 | 0.468 | 15.990 | 17.100 | 0.00 | 3600 | 1011 | 0.549 | 1.250 | -2.087 | 1.215 | 2.693 | 0.400 | 46.8 |
| 350KJS338-54 | 0.0566 | 57 | 0.670 | 2.28 | 1.449 | 0.828 | 1.471 | 1.123 | 1.295 | 1.354 | 0.598 | 20.430 | 22.060 | 0.00 | 3600 | 1011 | 0.715 | 4.742 | -3.347 | 1.898 | 3.879 | 0.255 | 72.1 |
| 350KJS338-68 | 0.0713 | 57 | 0.836 | 2.84 | 1.791 | 1.023 | 1.464 | 1.384 | 1.287 | 1.767 | 0.817 | 27.880 | 29.660 | 0.00 | 4791 | 1023 | 1.416 | 5.820 | -3.329 | 1.889 | 3.858 | 0.255 | 72.3 |
| 350KJS338-97 | 0.1017 | 57 | 1.169 | 3.98 | 2.452 | 1.401 | 1.448 | 1.885 | 1.270 | 2.452 | 1.215 | 41.450 | 45.760 | 0.00 | 6503 | 883 | 4.030 | 7.862 | -3.291 | 1.868 | 3.814 | 0.255 | 72.9 |
| 350KJS338-127 | 0.1337 | 57 | 1.505 | 5.12 | 3.084 | 1.762 | 1.431 | 2.355 | 1.251 | 3.084 | 1.690 | 57.680 | 60.140 | 0.00 | 8092 | 746 | 8.967 | 9.755 | -3.252 | 1.847 | 3.767 | 0.255 | 73.9 |
| 362KJS238-43EQS | 0.0400 | 57 | 0.372 | 1.27 | 0.842 | 0.464 | 1.504 | 0.304 | 0.904 | 0.806 | 0.319 | 10.880 | 11.180 | 0.00 | 1677 | 736 | 0.198 | 0.979 | -2.087 | 1.217 | 2.726 | 0.414 | 46.7 |
| 362KJS238-54 | 0.0566 | 57 | 0.521 | 1.77 | 1.165 | 0.643 | 1.495 | 0.418 | 0.896 | 1.160 | 0.488 | 16.650 | 17.770 | 0.00 | 3600 | 1085 | 0.556 | 1.335 | -2.066 | 1.206 | 2.703 | 0.416 | 46.6 |
| 362KJS338-54 | 0.0566 | 57 | 0.677 | 2.30 | 1.568 | 0.865 | 1.523 | 1.138 | 1.297 | 1.467 | 0.624 | 21.290 | 22.910 | 0.00 | 3600 | 1085 | 0.723 | 4.999 | -3.323 | 1.890 | 3.879 | 0.266 | 71.7 |
| 362KJS338-68 | 0.0713 | 57 | 0.845 | 2.87 | 1.939 | 1.070 | 1.515 | 1.403 | 1.289 | 1.913 | 0.853 | 29.100 | 30.830 | 0.00 | 4981 | 1144 | 1.431 | 6.137 | -3.305 | 1.880 | 3.857 | 0.266 | 71.8 |
| 362KJS338-97 | 0.1017 | 57 | 1.182 | 4.02 | 2.656 | 1.466 | 1.499 | 1.910 | 1.271 | 2.656 | 1.271 | 43.380 | 47.650 | 0.00 | 6775 | 997 | 4.074 | 8.297 | -3.267 | 1.860 | 3.813 | 0.266 | 72.4 |
| 362KJS338-127 | 0.1337 | 57 | 1.522 | 5.18 | 3.344 | 1.845 | 1.482 | 2.387 | 1.253 | 3.344 | 1.769 | 60.390 | 62.970 | 0.00 | 8449 | 852 | 9.067 | 10.302 | -3.227 | 1.838 | 3.766 | 0.266 | 73.3 |
| 400KJS238-43EQS | 0.0400 | 57 | 0.387 | 1.32 | 1.051 | 0.526 | 1.648 | 0.315 | 0.902 | 1.010 | 0.355 | 12.130 | 12.420 | 0.00 | 1510 | 794 | 0.206 | 1.182 | -2.028 | 1.192 | 2.765 | 0.462 | 46.4 |
| 400KJS238-54 | 0.0566 | 57 | 0.542 | 1.84 | 1.457 | 0.729 | 1.639 | 0.433 | 0.894 | 1.451 | 0.546 | 18.630 | 19.800 | 0.00 | 3600 | 1306 | 0.579 | 1.615 | -2.008 | 1.181 | 2.742 | 0.464 | 46.3 |
| 400KJS338-54 | 0.0566 | 57 | 0.698 | 2.37 | 1.957 | 0.979 | 1.675 | 1.180 | 1.301 | 1.837 | 0.699 | 23.870 | 25.460 | 0.00 | 3600 | 1306 | 0.745 | 5.829 | -3.253 | 1.863 | 3.883 | 0.298 | 70.6 |
| 400KJS338-68 | 0.0713 | 57 | 0.871 | 2.96 | 2.422 | 1.211 | 1.667 | 1.455 | 1.292 | 2.393 | 0.959 | 32.750 | 34.350 | 0.00 | 5553 | 1546 | 1.476 | 7.163 | -3.234 | 1.853 | 3.861 | 0.298 | 70.7 |
| 400KJS338-97 | 0.1017 | 57 | 1.220 | 4.15 | 3.326 | 1.663 | 1.651 | 1.983 | 1.275 | 3.326 | 1.444 | 49.280 | 53.350 | 0.00 | 7590 | 1376 | 4.205 | 9.703 | -3.196 | 1.832 | 3.817 | 0.299 | 71.1 |
| 400KJS338-127 | 0.1337 | 57 | 1.572 | 5.35 | 4.197 | 2.098 | 1.634 | 2.481 | 1.256 | 4.197 | 2.012 | 68.680 | 71.620 | 0.00 | 9521 | 1208 | 9.366 | 12.074 | -3.156 | 1.811 | 3.769 | 0.299 | 71.8 |
| 550KJS238-43EQS | 0.0400 | 57 | 0.447 | 1.52 | 2.173 | 0.790 | 2.204 | 0.351 | 0.887 | 2.074 | 0.589 | 20.090 | 17.430 | 92.60 | 1080 | 943 | 0.238 | 2.254 | -1.828 | 1.105 | 2.998 | 0.628 | 45.6 |
| 550KJS238-54 | 0.0566 | 57 | 0.627 | 2.13 | 3.021 | 1.099 | 2.195 | 0.483 | 0.878 | 2.976 | 0.914 | 31.190 | 28.090 | 208.50 | 3093 | 1881 | 0.670 | 3.091 | -1.808 | 1.094 | 2.976 | 0.631 | 45.4 |
| 550KJS338-54 | 0.0566 | 57 | 0.783 | 2.66 | 4.019 | 1.462 | 2.266 | 1.327 | 1.302 | 3.751 | 1.145 | 39.090 | 35.830 | 151.30 | 3093 | 1881 | 0.836 | 10.112 | -2.996 | 1.757 | 3.976 | 0.432 | 68.1 |
| 550KJS338-68 | 0.0713 | 57 | 0.978 | 3.33 | 4.986 | 1.813 | 2.258 | 1.637 | 1.294 | 4.904 | 1.517 | 51.790 | 48.700 | 223.30 | 5713 | 2703 | 1.658 | 12.462 | -2.977 | 1.747 | 3.954 | 0.433 | 68.1 |
| 550KJS338-97 | 0.1017 | 57 | 1.372 | 4.67 | 6.888 | 2.505 | 2.240 | 2.235 | 1.276 | 6.888 | 2.214 | 75.560 | 76.760 | 0.00 | 10850 | 3449 | 4.731 | 16.984 | -2.939 | 1.727 | 3.910 | 0.435 | 68.1 |
| 550KJS338-127 | 0.1337 | 57 | 1.772 | 6.03 | 8.748 | 3.181 | 2.222 | 2.803 | 1.258 | 8.748 | 3.070 | 104.800 | 106.850 | 0.00 | 13807 | 3186 | 10.561 | 21.272 | -2.898 | 1.706 | 3.862 | 0.437 | 68.3 |
| 600KJS238-43EQS | 0.0400 | 57 | 0.467 | 1.59 | 2.655 | 0.885 | 2.384 | 0.361 | 0.880 | 2.545 | 0.641 | 21.880 | 19.100 | 79.80 | 987 | 976 | 0.249 | 2.709 | -1.771 | 1.079 | 3.098 | 0.673 | 45.4 |
| 600KJS238-54 | 0.0566 | 57 | 0.655 | 2.23 | 3.694 | 1.231 | 2.374 | 0.497 | 0.871 | 3.634 | 1.029 | 35.140 | 30.890 | 244.60 | 2823 | 1947 | 0.700 | 3.719 | -1.752 | 1.068 | 3.076 | 0.676 | 45.2 |
| 600KJS338-54 | 0.0566 | 57 | 0.811 | 2.76 | 4.898 | 1.633 | 2.457 | 1.369 | 1.299 | 4.577 | 1.286 | 43.900 | 39.340 | 180.70 | 2823 | 1947 | 0.866 | 11.904 | -2.920 | 1.724 | 4.031 | 0.475 | 67.6 |
| 600KJS338-68 | 0.0713 | 57 | 1.014 | 3.45 | 6.080 | 2.027 | 2.449 | 1.689 | 1.291 | 5.980 | 1.701 | 58.070 | 53.570 | 276.00 | 5713 | 3074 | 1.718 | 14.682 | -2.901 | 1.714 | 4.010 | 0.477 | 67.6 |
| 600KJS338-97 | 0.1017 | 57 | 1.423 | 4.84 | 8.410 | 2.803 | 2.431 | 2.307 | 1.273 | 8.410 | 2.480 | 84.640 | 84.760 | 0.00 | 11622 | 4224 | 4.907 | 20.038 | -2.863 | 1.694 | 3.966 | 0.479 | 67.5 |
| 600KJS338-127 | 0.1337 | 57 | 1.839 | 6.26 | 10.697 | 3.566 | 2.412 | 2.895 | 1.255 | 10.697 | 3.439 | 117.380 | 118.450 | 0.00 | 15236 | 4043 | 10.959 | 25.137 | -2.822 | 1.673 | 3.919 | 0.481 | 67.6 |
| 800KJS238-43EQS | 0.0400 | 57 | 0.547 | 1.86 | 5.193 | 1.298 | 3.081 | 0.394 | 0.849 | 5.047 | 0.852 | 29.080 | 25.710 | 52.50 | 733 | 733 | 0.292 | 5.059 | -1.579 | 0.988 | 3.564 | 0.804 | 44.8 |
| 800KJS238-54 | 0.0566 | 57 | 0.769 | 2.62 | 7.242 | 1.811 | 3.070 | 0.542 | 0.840 | 7.169 | 1.427 | 48.690 | 42.030 | 211.30 | 2091 | 2091 | 0.821 | 6.960 | -1.561 | 0.978 | 3.544 | 0.806 | 44.5 |
| 800KJS338-54 | 0.0566 | 57 | 0.924 | 3.14 | 9.460 | 2.365 | 3.199 | 1.511 | 1.278 | 8.959 | 1.756 | 59.940 | 53.520 | 137.60 | 2091 | 2091 | 0.987 | 21.059 | -2.656 | 1.606 | 4.350 | 0.627 | 66.3 |
| 800KJS338-68 | 0.0713 | 57 | 1.156 | 3.94 | 11.766 | 2.941 | 3.190 | 1.865 | 1.270 | 11.577 | 2.501 | 85.350 | 73.340 | 432.60 | 4221 | 3367 | 1.960 | 26.026 | -2.637 | 1.597 | 4.329 | 0.629 | 66.2 |
| 800KJS338-97 | 0.1017 | 57 | 1.627 | 5.53 | 16.341 | 4.085 | 3.170 | 2.551 | 1.252 | 16.341 | 3.633 | 124.010 | 117.520 | 439.40 | 11622 | 6340 | 5.608 | 35.674 | -2.600 | 1.577 | 4.286 | 0.632 | 65.9 |
| 800KJS338-127 | 0.1337 | 57 | 2.107 | 7.17 | 20.876 | 5.219 | 3.148 | 3.203 | 1.233 | 20.876 | 5.028 | 171.620 | 166.380 | 663.00 | 20087 | 8112 | 12.552 | 44.960 | -2.560 | 1.557 | 4.241 | 0.636 | 65.8 |
| 1000KJS338-54 | 0.0566 | 57 | 1.037 | 3.53 | 15.870 | 3.174 | 3.911 | 1.622 | 1.250 | 15.211 | 2.191 | 74.770 | 67.700 | 92.80 | 1661 | 1661 | 1.108 | 33.638 | -2.441 | 1.506 | 4.777 | 0.739 | 65.5 |
| 1000KJS338-68 | 0.0713 | 57 | 1.299 | 4.42 | 19.765 | 3.953 | 3.901 | 2.003 | 1.242 | 19.557 | 3.194 | 109.030 | 93.260 | 350.20 | 3345 | 3345 | 2.201 | 41.626 | -2.423 | 1.497 | 4.757 | 0.740 | 65.3 |
| 1000KJS338-97 | 0.1017 | 57 | 1.830 | 6.23 | 27.525 | 5.505 | 3.878 | 2.740 | 1.224 | 27.525 | 4.928 | 168.200 | 150.980 | 771.90 | 9864 | 7177 | 6.309 | 57.212 | -2.387 | 1.478 | 4.715 | 0.744 | 65.0 |
| 1000KJS338-127 | 0.1337 | 57 | 2.374 | 8.08 | 35.268 | 7.054 | 3.854 | 3.442 | 1.204 | 35.268 | 6.800 | 232.090 | 216.010 | 1319.30 | 20087 | 10894 | 14.146 | 72.308 | -2.348 | 1.458 | 4.671 | 0.747 | 64.6 |
| 1200KJS338-54[1] | 0.0566 | 57 | 1.151 | 3.92 | 24.356 | 4.059 | 4.601 | 1.711 | 1.219 | 23.101 | 2.626 | 89.640 | 81.500 | 72.90 | 1377 | 1377 | 1.229 | 49.918 | -2.262 | 1.419 | 5.270 | 0.816 | 64.8 |
| 1200KJS338-68 | 0.0713 | 57 | 1.442 | 4.91 | 30.362 | 5.060 | 4.589 | 2.113 | 1.211 | 30.232 | 3.804 | 129.850 | 112.800 | 251.00 | 2771 | 2771 | 2.443 | 61.824 | -2.245 | 1.410 | 5.250 | 0.817 | 64.5 |
| 1200KJS338-97 | 0.1017 | 57 | 2.033 | 6.92 | 42.368 | 7.061 | 4.565 | 2.891 | 1.192 | 42.368 | 6.362 | 217.130 | 184.330 | 1071.50 | 8147 | 7411 | 7.010 | 85.124 | -2.210 | 1.392 | 5.210 | 0.820 | 64.1 |
| 1200KJS338-127 | 0.1337 | 57 | 2.641 | 8.99 | 54.408 | 9.068 | 4.539 | 3.632 | 1.173 | 54.408 | 8.752 | 298.720 | 266.190 | 1907.90 | 18773 | 12782 | 15.739 | 107.790 | -2.173 | 1.372 | 5.167 | 0.823 | 63.7 |

[1] *Where noted, web-height to thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.*
*For Priceless Header to Kwik-Jamb connection clip capacities, contact SCAFCO's engineering department at 509-789-8669 or Technical@SCAFCO.com.*

# Perfect Curve

## Product Application

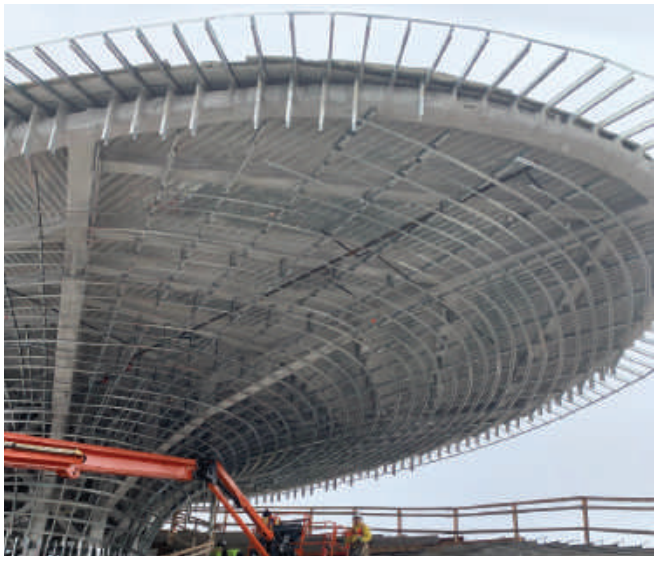
- High-quality and time-saving
- Guaranteed accuracy through CAD software, designed and manufactured directly from project plans
- Assembled with steel rivets or welding, reducing built-in stresses
- Eliminates field modified standard framing members; no more flat spots or weak sections from field cutting and crimping
- Delivered ready to install

## Features and Benefits

- Curved products are fabricated from mill certified prime steel and conform to all applicable ASTM specifications using precise, computer-controlled processes.
- Curved products are available in a variety of thicknesses, from 30 mil to 97 mil.
- SCAFCO promises a perfect curved wall with structural strength and no flat spots.
- SCAFCO offers quick installation which will decrease layout time, considerably reducing your project schedule.
  - *Once Perfect Curve Products are delivered, simply set them in place and anchor them down.*
  - *Perfect Curve eliminates labor-intensive crimping or cutting of the track at job sites.*
  - *Match your curve's top and bottom track within 1/32 inch in 12 feet.*
- Optional end tabs are available for splicing pieces together.
- When used in a structural application, the Perfect Curve products shall be reviewed and approved by the Architect or Engineer of record.

## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 30 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G40 galvanized coating*
  - *Steel rivet assembly only*
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
  - *Steel rivet assembly only*
- 43 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
  - *Steel rivet or welded assembly*
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
  - *Steel rivet or welded assembly*
- 68 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
  - *Steel rivet or welded assembly*
- 97 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
  - *Welded assembly only*



*Using Perfect-Curve Wall Products assures the architect's vision is delivered while saving the contractor an immense amount of time over traditional methods.*

# Perfect Curve

### Perfect Curve™ Z-Track

Where curved walls and suspended walls are required, Perfect Curve™ is the best solution available today. Turning curved track on its side allows uses in domes and barreled ceilings, offering durability and ease of installation.

### Perfect Curve™ Slotted Track

Built to accommodate vertical deflection in curved walls. Available in multiple radii with the option of larger slots for additional movement.

### Perfect Curve™ Wall Track

Where curved walls and suspended walls are required, Perfect Curve™ is the best solution available today. Turning curved track on its side allows uses in domes and barreled ceilings, offering durability and ease of installation.

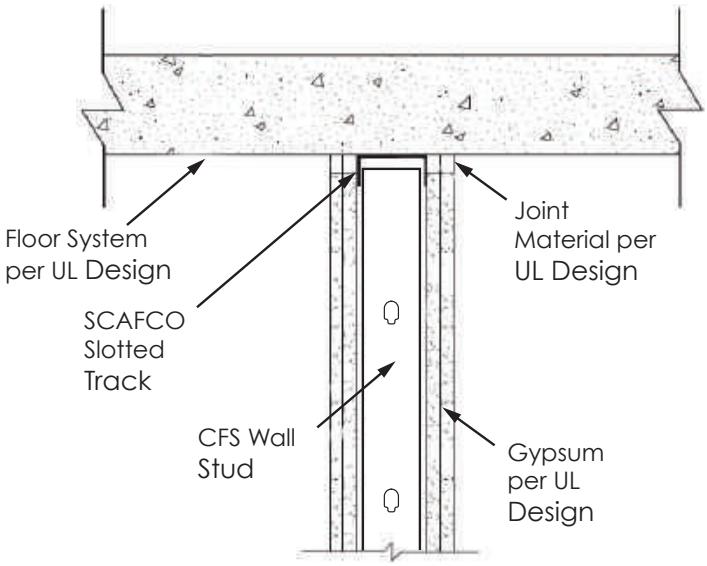
### Perfect Curve™ Angle

Intended for construction of smooth, curved soffit edges and dropped circular ceilings. Shown as Curved Angle Leg-In.

### Perfect Curve™ Arch Track

Designed for constructing arched openings, vaulted ceilings, and one-piece soffit faces in ceilings and extruded illuminated ceiling panes. Shown as Arched Track Leg-Out.

# Slotted Track

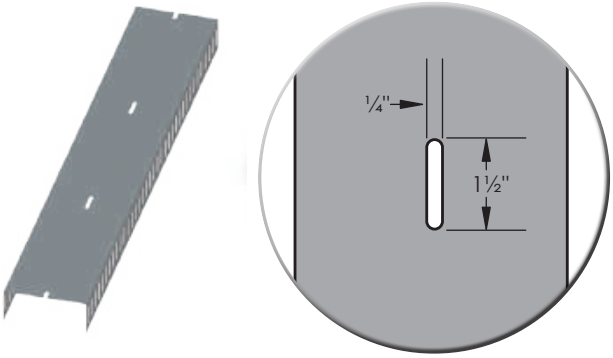



### Track to Structure Connection

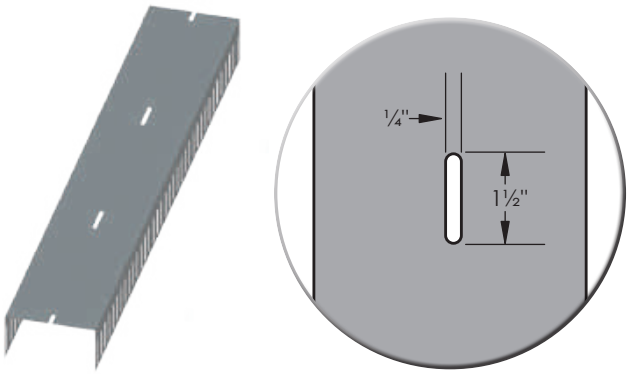
The web of the slotted deflection track or seismic drift track is to be attached to the above structure using approved fasteners. The attachment of the track to the structure must be able to withstand the allowable lateral loads applied to the connection. Fasteners are to be spaced as required by design, but not more than 24" o.c.

### Standard Web Slot Per Track Type

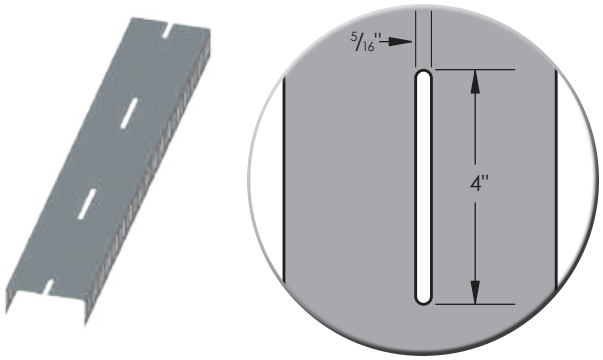
**Slotted Leg Track (SLT)**



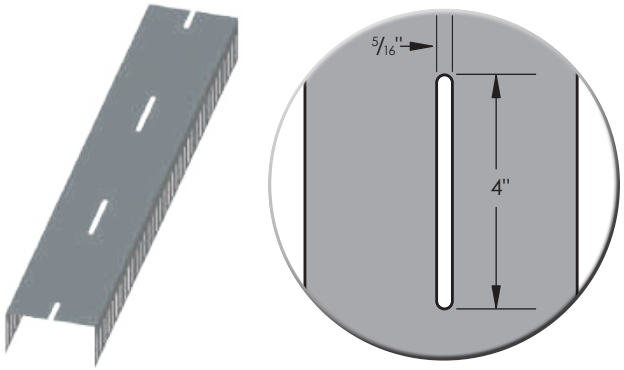

**Slotted Deep Leg Track (SDLT)**




***Seismic Drift Track (D)**




***Seismic Deep Leg Drift Track (DD)**

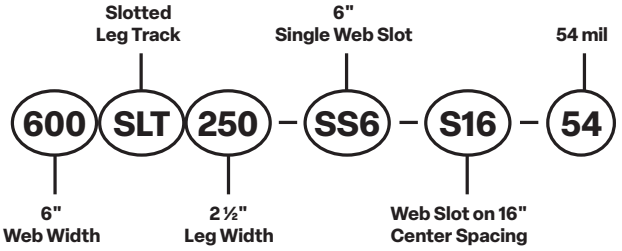



** Drift slot meant for use with DI-68 washers, which are sold separately.*

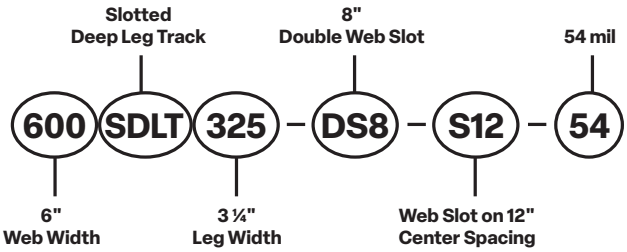
# Slotted Track

## Nomenclature Example

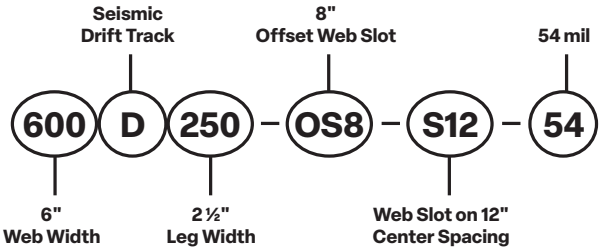
### Single Slot (SS)




### Double Slot (DS)



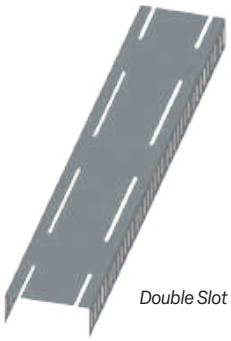

### Offset Slot (OS)



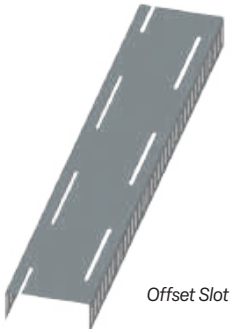

*Note: Minimum 1" of material recommended between slots. Slot size cannot exceed slot spacing.*

## Custom Web Slot Configurations

*Single Slot (SS)*



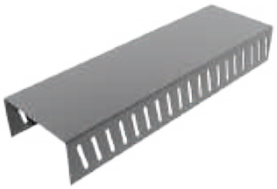
*Double Slot (DS)*



*Offset Slot (OS)*

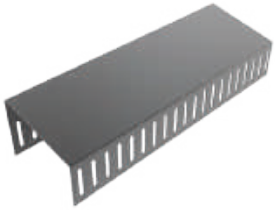
## Standard Web Slot Per Track Type

Slotted Angle



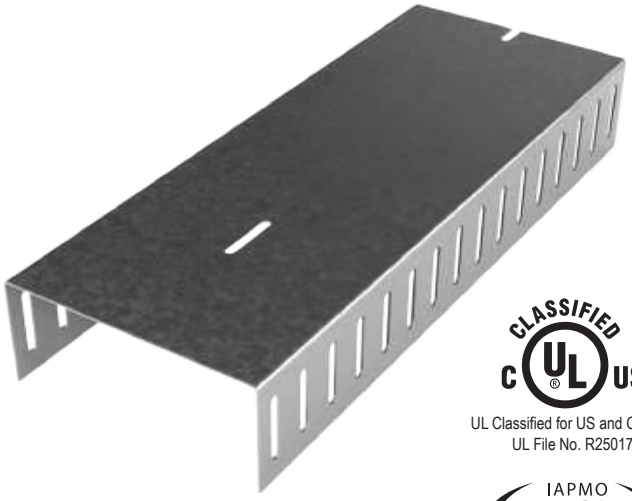
Slotted Rake Track

Slotted Curved Track



Slotted Pitched Track

# SLT
# Slotted Leg Track



UL Classified for US and Canada
UL File No. R25017

IAPMO UNIFORM ER 0283

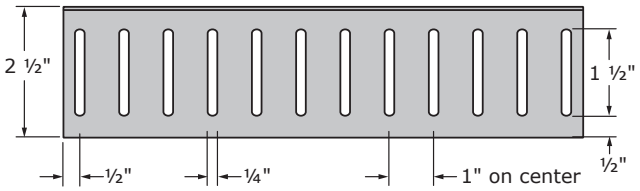
## Product Application

The SLT allows for a positive attachment of the stud to the top track through the slots designed to accommodate the vertical movement of the primary structure.

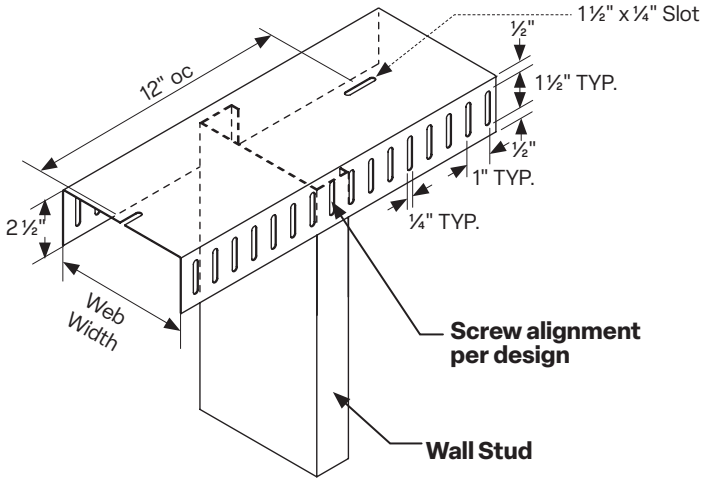
The SLT is designed to allow a total vertical movement of 1½" (+/- ¾").

## Dimension

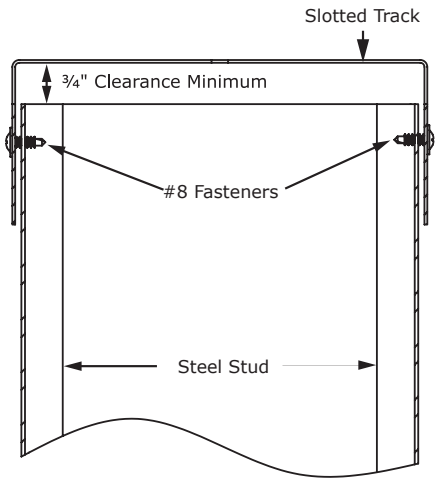
The section legs (flanges) are 2½" in length and have 1½" long by ¼" wide vertical slots spaced every 1" along the length of the member.



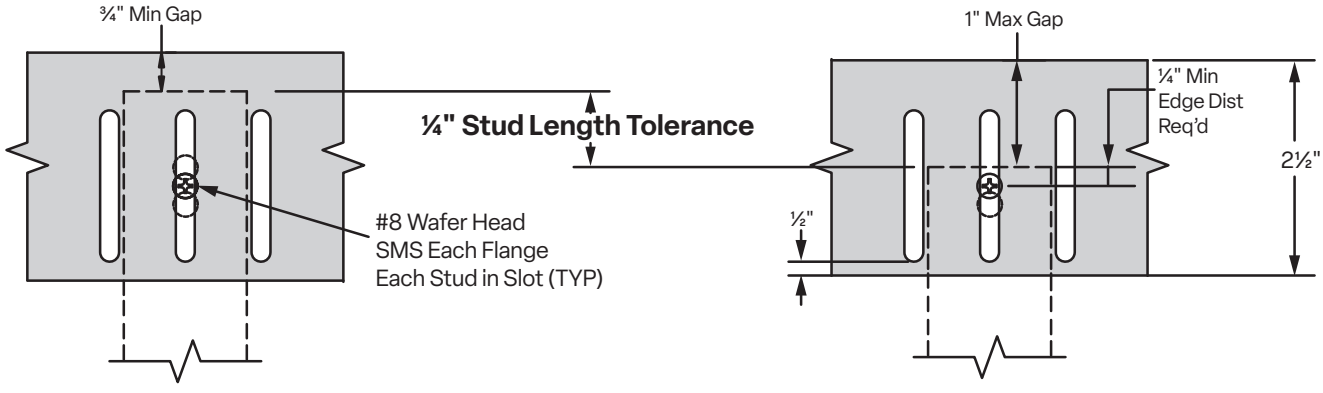

## Standard Slotted Leg Track Detail (SLT)




## Section View




## Specifications



# SLT
# Slotted Leg Track

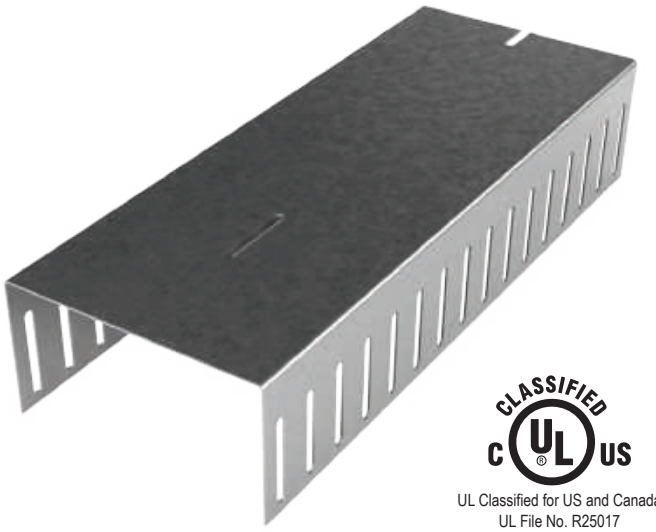
## Standard Slotted Leg Track Section Properties

| Part No. | Fy (ksi) | Design Thickness (in) | Gross Properties | | | | | | Effective Properties | | Allowable Lateral Load (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Area ($in^2$) | Weight (lb/ft) | Ix ($in^4$) | Rx (in) | Iy ($in^4$) | Ry (in) | Sxx ($in^3$) | Lxx ($in^4$) | |
| 250SLT250-20EQ | 57 | 0.0188 | 0.141 | 0.48 | 0.184 | 1.141 | 0.097 | 0.830 | 0.032 | 0.062 | 37 |
| 250SLT250-30EQD | 57 | 0.0235 | 0.176 | 0.60 | 0.230 | 1.142 | 0.121 | 0.829 | 0.046 | 0.083 | 55 |
| 250SLT250-33EQS | 57 | 0.0295 | 0.221 | 0.75 | 0.289 | 1.143 | 0.152 | 0.828 | 0.065 | 0.110 | 90 |
| 250SLT250-33 | 33 | 0.0346 | 0.259 | 0.88 | 0.339 | 1.144 | 0.178 | 0.827 | 0.087 | 0.129 | 106 |
| 250SLT250-43EQS | 57 | 0.0400 | 0.300 | 1.02 | 0.393 | 1.145 | 0.205 | 0.826 | 0.100 | 0.149 | 173 |
| 250SLT250-43 | 33 | 0.0451 | 0.338 | 1.15 | 0.443 | 1.456 | 0.230 | 0.826 | 0.108 | 0.163 | 191 |
| 250SLT250-54 | 50 | 0.0566 | 0.424 | 1.44 | 0.565 | 1.155 | 0.287 | 0.824 | 0.141 | 0.213 | 379 |
| 250SLT250-68 | 50 | 0.0713 | 0.534 | 1.82 | 0.728 | 1.168 | 0.360 | 0.821 | 0.177 | 0.273 | 568 |
| 250SLT250-97 | 50 | 0.1017 | 0.761 | 2.59 | 1.086 | 1.195 | 0.506 | 0.815 | 0.249 | 0.399 | 1257 |
| 350SLT250-20EQ | 57 | 0.0188 | 0.160 | 0.54 | 0.372 | 1.526 | 0.109 | 0.824 | 0.046 | 0.129 | 37 |
| 350SLT250-30EQD | 57 | 0.0235 | 0.200 | 0.68 | 0.466 | 1.527 | 0.135 | 0.823 | 0.067 | 0.175 | 55 |
| 350SLT250-33EQS | 57 | 0.0295 | 0.251 | 0.85 | 0.585 | 1.528 | 0.169 | 0.822 | 0.096 | 0.235 | 90 |
| 350SLT250-33 | 33 | 0.0346 | 0.294 | 1.00 | 0.687 | 1.528 | 0.198 | 0.821 | 0.138 | 0.286 | 106 |
| 350SLT250-43EQS | 57 | 0.0400 | 0.340 | 1.16 | 0.794 | 1.529 | 0.229 | 0.820 | 0.153 | 0.331 | 173 |
| 350SLT250-43 | 33 | 0.0451 | 0.383 | 1.30 | 0.896 | 1.530 | 0.257 | 0.819 | 0.178 | 0.362 | 191 |
| 350SLT250-54 | 50 | 0.0566 | 0.480 | 1.63 | 1.137 | 1.538 | 0.321 | 0.817 | 0.232 | 0.471 | 379 |
| 350SLT250-68 | 50 | 0.0713 | 0.605 | 2.06 | 1.454 | 1.550 | 0.401 | 0.814 | 0.290 | 0.598 | 568 |
| 350SLT250-97 | 50 | 0.1017 | 0.862 | 2.93 | 2.139 | 1.575 | 0.563 | 0.808 | 0.409 | 0.867 | 1257 |
| 362SLT250-20EQ | 57 | 0.0188 | 0.162 | 0.55 | 0.401 | 1.573 | 0.110 | 0.823 | 0.048 | 0.140 | 37 |
| 362SLT250-30EQD | 57 | 0.0235 | 0.203 | 0.69 | 0.502 | 1.573 | 0.137 | 0.822 | 0.069 | 0.190 | 55 |
| 362SLT250-33EQS | 57 | 0.0295 | 0.254 | 0.87 | 0.630 | 1.574 | 0.171 | 0.821 | 0.100 | 0.254 | 90 |
| 362SLT250-33 | 33 | 0.0346 | 0.298 | 1.01 | 0.740 | 1.575 | 0.200 | 0.820 | 0.144 | 0.312 | 106 |
| 362SLT250-43EQS | 57 | 0.0400 | 0.345 | 1.17 | 0.856 | 1.576 | 0.231 | 0.819 | 0.159 | 0.359 | 173 |
| 362SLT250-43 | 33 | 0.0451 | 0.389 | 1.32 | 0.966 | 1.577 | 0.260 | 0.818 | 0.188 | 0.395 | 191 |
| 362SLT250-54 | 50 | 0.0566 | 0.487 | 1.66 | 1.224 | 1.585 | 0.324 | 0.816 | 0.244 | 0.512 | 379 |
| 362SLT250-68 | 50 | 0.0713 | 0.614 | 2.09 | 1.565 | 1.597 | 0.406 | 0.813 | 0.306 | 0.650 | 568 |
| 362SLT250-97 | 50 | 0.1017 | 0.875 | 2.98 | 2.300 | 1.621 | 0.570 | 0.807 | 0.432 | 0.942 | 1257 |
| 400SLT250-20EQ | 57 | 0.0188 | 0.169 | 0.58 | 0.496 | 1.712 | 0.113 | 0.818 | 0.053 | 0.173 | 37 |
| 400SLT250-30EQD | 57 | 0.0235 | 0.212 | 0.72 | 0.620 | 1.712 | 0.141 | 0.817 | 0.077 | 0.236 | 55 |
| 400SLT250-33EQS | 57 | 0.0295 | 0.265 | 0.90 | 0.779 | 1.713 | 0.177 | 0.816 | 0.111 | 0.317 | 90 |
| 400SLT250-33 | 33 | 0.0346 | 0.311 | 1.06 | 0.914 | 1.714 | 0.207 | 0.815 | 0.162 | 0.396 | 106 |
| 400SLT250-43EQS | 57 | 0.0400 | 0.360 | 1.22 | 1.058 | 1.715 | 0.238 | 0.814 | 0.179 | 0.450 | 173 |
| 400SLT250-43 | 33 | 0.0451 | 0.406 | 1.38 | 1.193 | 1.715 | 0.268 | 0.813 | 0.219 | 0.502 | 191 |
| 400SLT250-54 | 50 | 0.0566 | 0.509 | 1.73 | 1.511 | 1.723 | 0.335 | 0.811 | 0.284 | 0.650 | 379 |
| 400SLT250-68 | 50 | 0.0713 | 0.641 | 2.18 | 1.928 | 1.735 | 0.418 | 0.808 | 0.356 | 0.825 | 568 |
| 400SLT250-97 | 50 | 0.1017 | 0.913 | 3.11 | 2.823 | 1.758 | 0.587 | 0.802 | 0.502 | 1.192 | 1257 |
| 600SLT250-20EQ | 57 | 0.0188 | 0.207 | 0.70 | 1.214 | 2.422 | 0.128 | 0.786 | 0.081 | 0.420 | 37 |
| 600SLT250-30EQD | 57 | 0.0235 | 0.259 | 0.88 | 1.518 | 2.423 | 0.159 | 0.785 | 0.118 | 0.579 | 55 |
| 600SLT250-33EQS | 57 | 0.0295 | 0.324 | 1.10 | 1.906 | 2.424 | 0.200 | 0.784 | 0.172 | 0.789 | 90 |
| 600SLT250-33 | 33 | 0.0346 | 0.380 | 1.29 | 2.236 | 2.424 | 0.233 | 0.783 | 0.260 | 1.021 | 106 |
| 600SLT250-43EQS | 57 | 0.0400 | 0.440 | 1.50 | 2.585 | 2.425 | 0.269 | 0.782 | 0.283 | 1.145 | 173 |
| 600SLT250-43 | 33 | 0.0451 | 0.496 | 1.69 | 2.916 | 2.425 | 0.303 | 0.781 | 0.378 | 1.402 | 191 |
| 600SLT250-54 | 50 | 0.0566 | 0.622 | 2.12 | 3.678 | 2.432 | 0.377 | 0.779 | 0.478 | 1.769 | 379 |
| 600SLT250-68 | 50 | 0.0713 | 0.783 | 2.67 | 4.670 | 2.442 | 0.472 | 0.776 | 0.655 | 2.266 | 568 |
| 600SLT250-97 | 50 | 0.1017 | 1.116 | 3.80 | 6.767 | 2.462 | 0.662 | 0.770 | 0.960 | 3.253 | 1257 |
| 800SLT250-33EQS | 57 | 0.0295 | 0.383 | 1.30 | 3.681 | 3.098 | 0.215 | 0.749 | 0.233 | 1.504 | 90 |
| 800SLT250-33 | 33 | 0.0346 | 0.450 | 1.53 | 4.318 | 3.099 | 0.252 | 0.748 | 0.358 | 1.994 | 106 |
| 800SLT250-43EQS | 57 | 0.0400 | 0.520 | 1.77 | 4.992 | 3.099 | 0.290 | 0.747 | 0.387 | 2.216 | 173 |
| 800SLT250-43 | 33 | 0.0451 | 0.586 | 1.99 | 5.629 | 3.100 | 0.326 | 0.746 | 0.530 | 2.800 | 191 |
| 800SLT250-54 | 50 | 0.0566 | 0.735 | 2.50 | 7.090 | 3.106 | 0.407 | 0.744 | 0.671 | 3.522 | 379 |
| 800SLT250-68 | 50 | 0.0713 | 0.926 | 3.15 | 8.978 | 3.114 | 0.509 | 0.741 | 0.943 | 4.675 | 568 |
| 800SLT250-97 | 50 | 0.1017 | 1.320 | 4.49 | 12.944 | 3.132 | 0.713 | 0.735 | 1.536 | 6.835 | 1257 |

### Table Notes

1. Gross properties based on the full section, not reduced for flange slots.
2. Effective properties based on a compression flange of ½"" (before local buckling reductions) and a tension flange of 1".
3. For deflection calculations, use effective Ixx.
4. All properties based on unpunched webs.
5. Web depth is equal to the nominal depth plus two times the design thickness, plus the inside bend radius.
6. X-X properties are 'strong-axis' properties. Y-Y properties are about the 'weak-axis.'
7. Effective properties based on the "North American Specification for the Design of Cold-Formed Steel Structural Members," AISI S100.
8. For SI: 1 inch = 25.4 mm, 1 ksi = 6.8948 kPa, 1 lb/ft = 14.594 N/m.

# SDLT
# Slotted Deep Leg Track



### Product Application

The SDLT allows for a positive attachment of the stud to the top track through the slots designed to accommodate the vertical movement of the primary structure.

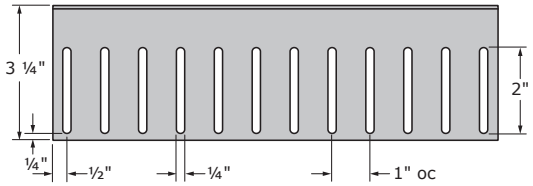
The SDLT is designed to allow a total vertical movement of 2" (+/- 1").

### Dimension

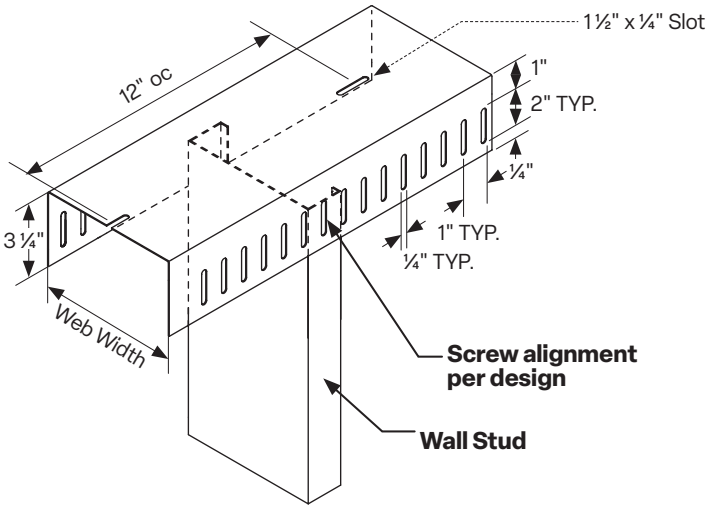
The section legs (flanges) are 3 ¼" in length and have 2" long by ¼" wide vertical slots spaced every 1" along the length of the member.

UL Classified for US and Canada
UL File No. R25017

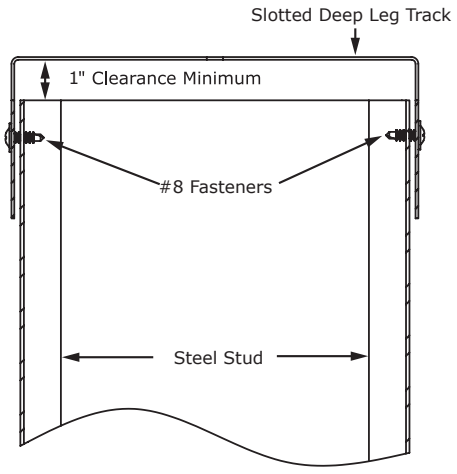
IAPMO UNIFORM ER 0283



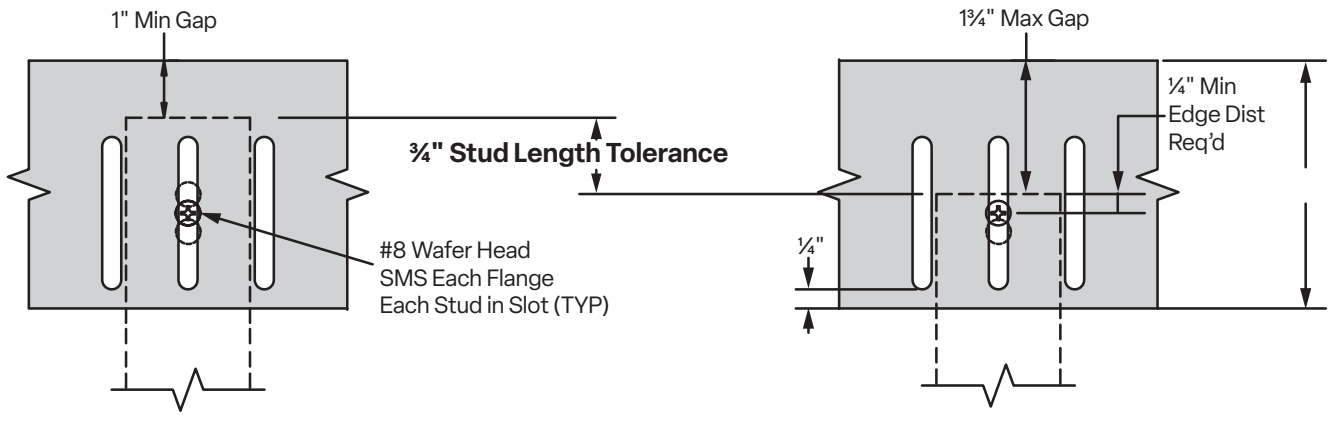

### Standard Slotted Deep Leg Track Detail (SDLT)




### Section View




### Specifications




**Minimum Stud Gap** **Maximum Stud Gap**

# SDLT
# Slotted Deep Leg Track

## Slotted Deep Leg Track Section Properties

| Part No. | Fy (ksi) | Design Thickness (in) | Gross Properties | | | | | | Effective Properties | | Allowable Lateral Load (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Area ($in^2$) | Weight (lb/ft) | Ix ($in^4$) | Rx (in) | Iy ($in^4$) | Ry (in) | Sxx ($in^3$) | Lxx ($in^4$) | |
| 250SDLT325-33EQS | 57 | 0.0295 | 0.265 | 0.90 | 0.364 | 1.171 | 0.307 | 1.075 | 0.075 | 0.123 | 35 |
| 250SDLT325-33 | 33 | 0.0346 | 0.311 | 1.06 | 0.428 | 1.172 | 0.359 | 1.074 | 0.098 | 0.157 | 47 |
| 250SDLT325-43EQS | 57 | 0.0400 | 0.360 | 1.22 | 0.495 | 1.173 | 0.414 | 1.073 | 0.110 | 0.178 | 71 |
| 250SDLT325-43 | 33 | 0.0451 | 0.406 | 1.38 | 0.559 | 1.174 | 0.466 | 1.073 | 0.133 | 0.193 | 92 |
| 250SDLT325-54 | 50 | 0.0566 | 0.509 | 1.73 | 0.713 | 1.184 | 0.583 | 1.071 | 0.174 | 0.263 | 179 |
| 250SDLT325-68 | 50 | 0.0713 | 0.641 | 2.18 | 0.920 | 1.198 | 0.731 | 1.068 | 0.221 | 0.337 | 299 |
| 250SDLT325-97 | 50 | 0.1017 | 0.913 | 3.11 | 1.376 | 1.227 | 1.032 | 1.063 | 0.314 | 0.497 | 707 |
| 350SDLT325-33EQS | 57 | 0.0295 | 0.295 | 1.00 | 0.729 | 1.572 | 0.343 | 1.078 | 0.101 | 0.263 | 35 |
| 350SDLT325-33 | 33 | 0.0346 | 0.346 | 1.18 | 0.856 | 1.573 | 0.401 | 1.077 | 0.153 | 0.34 | 47 |
| 350SDLT325-43EQS | 57 | 0.0400 | 0.400 | 1.36 | 0.99 | 1.574 | 0.463 | 1.076 | 0.165 | 0.387 | 71 |
| 350SDLT325-43 | 33 | 0.0451 | 0.451 | 1.53 | 1.117 | 1.575 | 0.521 | 1.075 | 0.211 | 0.419 | 92 |
| 350SDLT325-54 | 50 | 0.0566 | 0.565 | 1.92 | 1.418 | 1.584 | 0.651 | 1.073 | 0.278 | 0.565 | 179 |
| 350SDLT325-68 | 50 | 0.0713 | 0.712 | 2.42 | 1.816 | 1.597 | 0.816 | 1.071 | 0.352 | 0.720 | 299 |
| 350SDLT325-97 | 50 | 0.1017 | 1.015 | 3.45 | 2.676 | 1.624 | 1.151 | 1.065 | 0.499 | 1.047 | 707 |
| 362SDLT325-33EQS | 57 | 0.0295 | 0.299 | 1.02 | 0.785 | 1.621 | 0.347 | 1.077 | 0.105 | 0.285 | 35 |
| 362SDLT325-33 | 33 | 0.0346 | 0.350 | 1.19 | 0.921 | 1.622 | 0.406 | 1.076 | 0.160 | 0.369 | 47 |
| 362SDLT325-43EQS | 57 | 0.0400 | 0.405 | 1.38 | 1.066 | 1.623 | 0.468 | 1.076 | 0.172 | 0.421 | 71 |
| 362SDLT325-43 | 33 | 0.0451 | 0.456 | 1.55 | 1.203 | 1.624 | 0.527 | 1.075 | 0.222 | 0.455 | 92 |
| 362SDLT325-54 | 50 | 0.0566 | 0.572 | 1.95 | 1.526 | 1.633 | 0.659 | 1.073 | 0.292 | 0.613 | 179 |
| 362SDLT325-68 | 50 | 0.0713 | 0.721 | 2.45 | 1.952 | 1.646 | 0.825 | 1.070 | 0.370 | 0.780 | 299 |
| 362SDLT325-97 | 50 | 0.1017 | 1.027 | 3.50 | 2.873 | 1.672 | 1.164 | 1.064 | 0.524 | 1.135 | 707 |
| 400SDLT325-33EQS | 57 | 0.0295 | 0.310 | 1.05 | 0.966 | 1.766 | 0.358 | 1.075 | 0.117 | 0.354 | 35 |
| 400SDLT325-33 | 33 | 0.0346 | 0.363 | 1.24 | 1.134 | 1.767 | 0.419 | 1.074 | 0.180 | 0.466 | 47 |
| 400SDLT325-43EQS | 57 | 0.0400 | 0.420 | 1.43 | 1.311 | 1.768 | 0.484 | 1.073 | 0.193 | 0.527 | 71 |
| 400SDLT325-43 | 33 | 0.0451 | 0.473 | 1.61 | 1.480 | 1.768 | 0.544 | 1.073 | 0.256 | 0.575 | 92 |
| 400SDLT325-54 | 50 | 0.0566 | 0.594 | 2.02 | 1.875 | 1.777 | 0.680 | 1.070 | 0.337 | 0.773 | 179 |
| 400SDLT325-68 | 50 | 0.0713 | 0.748 | 2.54 | 2.395 | 1.790 | 0.852 | 1.068 | 0.427 | 0.982 | 299 |
| 400SDLT325-97 | 50 | 0.1017 | 1.066 | 3.63 | 3.514 | 1.816 | 1.202 | 1.062 | 0.604 | 1.424 | 707 |
| 600SDLT325-33EQS | 57 | 0.0295 | 0.369 | 1.25 | 2.319 | 2.508 | 0.407 | 1.051 | 0.180 | 0.873 | 35 |
| 600SDLT325-33 | 33 | 0.0346 | 0.432 | 1.47 | 2.720 | 2.508 | 0.477 | 1.050 | 0.285 | 1.191 | 47 |
| 600SDLT325-43EQS | 57 | 0.0400 | 0.500 | 1.70 | 3.146 | 2.509 | 0.550 | 1.049 | 0.303 | 1.325 | 71 |
| 600SDLT325-43 | 33 | 0.0451 | 0.563 | 1.92 | 3.548 | 2.510 | 0.619 | 1.048 | 0.441 | 1.561 | 92 |
| 600SDLT325-54 | 50 | 0.0566 | 0.707 | 2.41 | 4.479 | 2.517 | 0.773 | 1.046 | 0.557 | 2.038 | 179 |
| 600SDLT325-68 | 50 | 0.0713 | 0.890 | 3.03 | 5.691 | 2.528 | 0.969 | 1.043 | 0.761 | 2.608 | 299 |
| 600SDLT325-97 | 50 | 0.1017 | 1.269 | 4.32 | 8.259 | 2.551 | 1.365 | 1.037 | 1.112 | 3.752 | 707 |
| 800SDLT325-33EQS | 57 | 0.0295 | 0.428 | 1.46 | 4.409 | 3.211 | 0.443 | 1.018 | 0.244 | 1.655 | 35 |
| 800SDLT325-33 | 33 | 0.0346 | 0.502 | 1.71 | 5.172 | 3.211 | 0.519 | 1.017 | 0.391 | 2.308 | 47 |
| 800SDLT325-43EQS | 57 | 0.0400 | 0.580 | 1.97 | 5.980 | 3.212 | 0.598 | 1.016 | 0.412 | 2.550 | 71 |
| 800SDLT325-43 | 33 | 0.0451 | 0.654 | 2.22 | 6.743 | 3.212 | 0.673 | 1.015 | 0.612 | 3.161 | 92 |
| 800SDLT325-54 | 50 | 0.0566 | 0.820 | 2.79 | 8.497 | 3.219 | 0.841 | 1.013 | 0.775 | 3.996 | 179 |
| 800SDLT325-68 | 50 | 0.0713 | 1.033 | 3.51 | 10.767 | 3.229 | 1.053 | 1.010 | 1.083 | 5.269 | 299 |
| 800SDLT325-97 | 50 | 0.1017 | 1.472 | 5.01 | 15.542 | 3.249 | 1.483 | 1.004 | 1.739 | 7.704 | 707 |

### Table Notes

1. Gross properties based on the full section, not reduced for flange slots.
2. Effective properties based on a compression flange of ½"" (before local buckling reductions) and a tension flange of 1".
3. For deflection calculations, use effective Ixx.
4. All properties based on unpunched webs.
5. Web depth is equal to the nominal depth plus two times the design thickness, plus the inside bend radius.
6. X-X properties are 'strong-axis' properties. Y-Y properties are about the 'weak-axis.'
7. Effective properties based on the "North American Specification for the Design of Cold-Formed Steel Structural Members," AISI S100.
8. For SI: 1 inch = 25.4 mm, 1 ksi = 6.8948 kPa, 1 lb/ft = 14.594 N/m.

# D
# Seismic Drift Track

UL Classified for US and Canada
UL File No. R25017

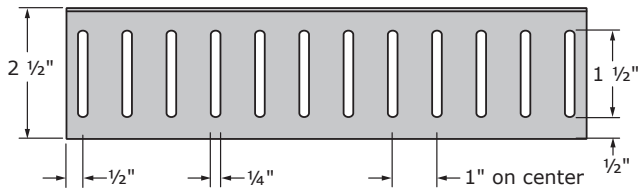
IAPMO UNIFORM ER 0283

## Product Application

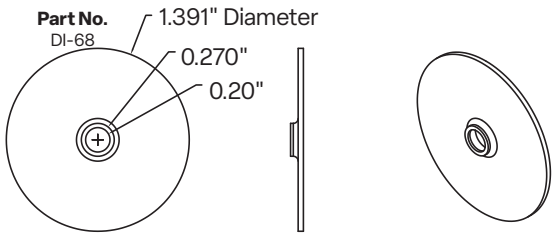
SCAFCO (D) allows for lateral movement of the main building structure, while still accomodating head-of-wall deflection and fire ratings for interior and exterior walls. The seismic drift track comes with an extruded metal insert that aids in the connection of the track to the main structure.

## Dimension

The section legs (flanges) are 2 ½" in length and have 1½" long by ¼" wide vertical slots spaced every 1" along the length of the member.

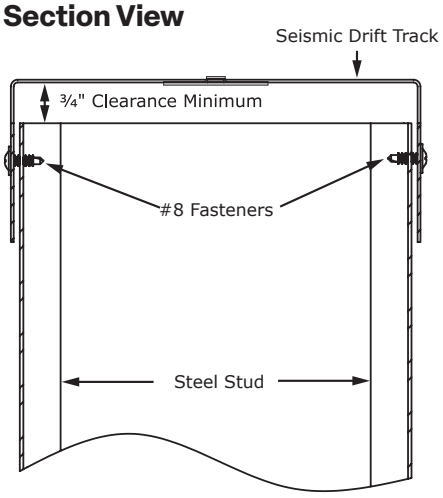



## Drift Insert Detail




***Sold Separately.**
*Spacing determined by design professional.*

## Section View



# D
# Seismic Drift Track

## Section Properties

| Part No. | Fy (ksi) | Design Thickness (in) | Gross Properties | | | | | | Effective Properties | | Allowable Lateral Load (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Area ($in^2$) | Weight (lb/ft) | Ix ($in^4$) | Rx (in) | Iy ($in^4$) | Ry (in) | Sxx ($in^3$) | Lxx ($in^4$) | |
| 250D250-20EQ | 57 | 0.0188 | 0.141 | 0.48 | 0.184 | 1.141 | 0.097 | 0.830 | 0.032 | 0.062 | 37 |
| 250D250-30EQD | 57 | 0.0235 | 0.176 | 0.60 | 0.230 | 1.142 | 0.121 | 0.829 | 0.046 | 0.083 | 55 |
| 250D250-33EQS | 57 | 0.0295 | 0.221 | 0.75 | 0.289 | 1.143 | 0.152 | 0.828 | 0.065 | 0.110 | 90 |
| 250D250-33 | 33 | 0.0346 | 0.259 | 0.88 | 0.339 | 1.144 | 0.178 | 0.827 | 0.087 | 0.129 | 106 |
| 250D250-43EQS | 57 | 0.0400 | 0.300 | 1.02 | 0.393 | 1.145 | 0.205 | 0.826 | 0.100 | 0.149 | 173 |
| 250D250-43 | 33 | 0.0451 | 0.338 | 1.15 | 0.443 | 1.456 | 0.230 | 0.826 | 0.108 | 0.163 | 191 |
| 250D250-54 | 50 | 0.0566 | 0.424 | 1.44 | 0.565 | 1.155 | 0.287 | 0.824 | 0.141 | 0.213 | 379 |
| 250D250-68 | 50 | 0.0713 | 0.534 | 1.82 | 0.728 | 1.168 | 0.360 | 0.821 | 0.177 | 0.273 | 568 |
| 250D250-97 | 50 | 0.1017 | 0.761 | 2.59 | 1.086 | 1.195 | 0.506 | 0.815 | 0.249 | 0.399 | 1257 |
| 350D250-20EQ | 57 | 0.0188 | 0.160 | 0.54 | 0.372 | 1.526 | 0.109 | 0.824 | 0.046 | 0.129 | 37 |
| 350D250-30EQD | 57 | 0.0235 | 0.200 | 0.68 | 0.466 | 1.527 | 0.135 | 0.823 | 0.067 | 0.175 | 55 |
| 350D250-33EQS | 57 | 0.0295 | 0.251 | 0.85 | 0.585 | 1.528 | 0.169 | 0.822 | 0.096 | 0.235 | 90 |
| 350D250-33 | 33 | 0.0346 | 0.294 | 1.00 | 0.687 | 1.528 | 0.198 | 0.821 | 0.138 | 0.286 | 106 |
| 350D250-43EQS | 57 | 0.0400 | 0.340 | 1.16 | 0.794 | 1.529 | 0.229 | 0.82 | 0.153 | 0.331 | 173 |
| 350D250-43 | 33 | 0.0451 | 0.383 | 1.30 | 0.896 | 1.530 | 0.257 | 0.819 | 0.178 | 0.362 | 191 |
| 350D250-54 | 50 | 0.0566 | 0.480 | 1.63 | 1.137 | 1.538 | 0.321 | 0.817 | 0.232 | 0.471 | 379 |
| 350D250-68 | 50 | 0.0713 | 0.605 | 2.06 | 1.454 | 1.550 | 0.401 | 0.814 | 0.290 | 0.598 | 568 |
| 350D250-97 | 50 | 0.1017 | 0.862 | 2.93 | 2.139 | 1.575 | 0.563 | 0.808 | 0.409 | 0.867 | 1257 |
| 362D250-20EQ | 57 | 0.0188 | 0.162 | 0.55 | 0.401 | 1.573 | 0.110 | 0.823 | 0.048 | 0.140 | 37 |
| 362D250-30EQD | 57 | 0.0235 | 0.203 | 0.69 | 0.502 | 1.573 | 0.137 | 0.822 | 0.069 | 0.190 | 55 |
| 362D250-33EQS | 57 | 0.0295 | 0.254 | 0.87 | 0.630 | 1.574 | 0.171 | 0.821 | 0.100 | 0.254 | 90 |
| 362D250-33 | 33 | 0.0346 | 0.298 | 1.01 | 0.740 | 1.575 | 0.200 | 0.82 | 0.144 | 0.312 | 106 |
| 362D250-43EQS | 57 | 0.0400 | 0.345 | 1.17 | 0.856 | 1.576 | 0.231 | 0.819 | 0.159 | 0.359 | 173 |
| 362D250-43 | 33 | 0.0451 | 0.389 | 1.32 | 0.966 | 1.577 | 0.260 | 0.818 | 0.188 | 0.395 | 191 |
| 362D250-54 | 50 | 0.0566 | 0.487 | 1.66 | 1.224 | 1.585 | 0.324 | 0.816 | 0.244 | 0.512 | 379 |
| 362D250-68 | 50 | 0.0713 | 0.614 | 2.09 | 1.565 | 1.597 | 0.406 | 0.813 | 0.306 | 0.650 | 568 |
| 362D250-97 | 50 | 0.1017 | 0.875 | 2.98 | 2.300 | 1.621 | 0.570 | 0.807 | 0.432 | 0.942 | 1257 |
| 400D250-20EQ | 57 | 0.0188 | 0.169 | 0.58 | 0.496 | 1.712 | 0.113 | 0.818 | 0.053 | 0.173 | 37 |
| 400D250-30EQD | 57 | 0.0235 | 0.212 | 0.72 | 0.620 | 1.712 | 0.141 | 0.817 | 0.077 | 0.236 | 55 |
| 400D250-33EQS | 57 | 0.0295 | 0.265 | 0.90 | 0.779 | 1.713 | 0.177 | 0.816 | 0.111 | 0.317 | 90 |
| 400D250-33 | 33 | 0.0346 | 0.311 | 1.06 | 0.914 | 1.714 | 0.207 | 0.815 | 0.162 | 0.396 | 106 |
| 400D250-43EQS | 57 | 0.0400 | 0.360 | 1.22 | 1.058 | 1.715 | 0.238 | 0.814 | 0.179 | 0.450 | 173 |
| 400D250-43 | 33 | 0.0451 | 0.406 | 1.38 | 1.193 | 1.715 | 0.268 | 0.813 | 0.219 | 0.502 | 191 |
| 400D250-54 | 50 | 0.0566 | 0.509 | 1.73 | 1.511 | 1.723 | 0.335 | 0.811 | 0.284 | 0.650 | 379 |
| 400D250-68 | 50 | 0.0713 | 0.641 | 2.18 | 1.928 | 1.735 | 0.418 | 0.808 | 0.356 | 0.825 | 568 |
| 400D250-97 | 50 | 0.1017 | 0.913 | 3.11 | 2.823 | 1.758 | 0.587 | 0.802 | 0.502 | 1.192 | 1257 |
| 600D250-20EQ | 57 | 0.0188 | 0.207 | 0.70 | 1.214 | 2.422 | 0.128 | 0.786 | 0.081 | 0.420 | 37 |
| 600D250-30EQD | 57 | 0.0235 | 0.259 | 0.88 | 1.518 | 2.423 | 0.159 | 0.785 | 0.118 | 0.579 | 55 |
| 600D250-33EQS | 57 | 0.0295 | 0.324 | 1.10 | 1.906 | 2.424 | 0.200 | 0.784 | 0.172 | 0.789 | 90 |
| 600D250-33 | 33 | 0.0346 | 0.380 | 1.29 | 2.236 | 2.424 | 0.233 | 0.783 | 0.260 | 1.021 | 106 |
| 600D250-43EQS | 57 | 0.0400 | 0.440 | 1.50 | 2.585 | 2.425 | 0.269 | 0.782 | 0.283 | 1.145 | 173 |
| 600D250-43 | 33 | 0.0451 | 0.496 | 1.69 | 2.916 | 2.425 | 0.303 | 0.781 | 0.378 | 1.402 | 191 |
| 600D250-54 | 50 | 0.0566 | 0.622 | 2.12 | 3.678 | 2.432 | 0.377 | 0.779 | 0.478 | 1.769 | 379 |
| 600D250-68 | 50 | 0.0713 | 0.783 | 2.67 | 4.670 | 2.442 | 0.472 | 0.776 | 0.655 | 2.266 | 568 |
| 600D250-97 | 50 | 0.1017 | 1.116 | 3.80 | 6.767 | 2.462 | 0.662 | 0.77 | 0.960 | 3.253 | 1257 |
| 800D250-33EQS | 57 | 0.0295 | 0.383 | 1.30 | 3.681 | 3.098 | 0.215 | 0.749 | 0.233 | 1.504 | 90 |
| 800D250-33 | 33 | 0.0346 | 0.450 | 1.53 | 4.318 | 3.099 | 0.252 | 0.748 | 0.358 | 1.994 | 106 |
| 800D250-43EQS | 57 | 0.0400 | 0.520 | 1.77 | 4.992 | 3.099 | 0.290 | 0.747 | 0.387 | 2.216 | 173 |
| 800D250-43 | 33 | 0.0451 | 0.586 | 1.99 | 5.629 | 3.100 | 0.326 | 0.746 | 0.530 | 2.800 | 191 |
| 800D250-54 | 50 | 0.0566 | 0.735 | 2.50 | 7.090 | 3.106 | 0.407 | 0.744 | 0.671 | 3.522 | 379 |
| 800D250-68 | 50 | 0.0713 | 0.926 | 3.15 | 8.978 | 3.114 | 0.509 | 0.741 | 0.943 | 4.675 | 568 |
| 800D250-97 | 50 | 0.1017 | 1.320 | 4.49 | 12.944 | 3.132 | 0.713 | 0.735 | 1.536 | 6.835 | 1257 |

### Table Notes

1. Gross properties based on the full section, not reduced for flange slots.
2. Effective properties based on a compression flange of ½"" (before local buckling reductions) and a tension flange of 1".
3. For deflection calculations, use effective Ixx.
4. All properties based on unpunched webs.
5. Web depth is equal to the nominal depth plus two times the design thickness, plus the inside bend radius.
6. X-X properties are 'strong-axis' properties. Y-Y properties are about the 'weak-axis.'
7. Effective properties based on the "North American Specification for the Design of Cold-Formed Steel Structural Members," AISI S100.
8. For SI: 1 inch = 25.4 mm, 1 ksi = 6.8948 kPa, 1 lb/ft = 14.594 N/m.

# DD
# Deep Leg Seismic Drift Track

UL Classified for US and Canada
UL File No. R25017

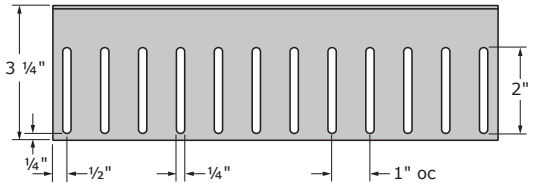
IAPMO UNIFORM ER 0283

## Product Application

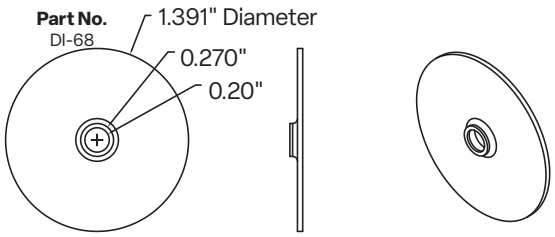
SCAFCO DD allows for lateral movement of the main building structure, while still accomodating head-of-wall deflection and fire ratings for interior and exterior walls. The Deep Leg Seismic Drift Track comes with an extruded metal insert that aids in the connection of the track to the main structure.

## Dimension

The section legs (flanges) are 3 ¼" in length and have 2" long by ¼" wide vertical slots spaced every 1" along the length of the member.

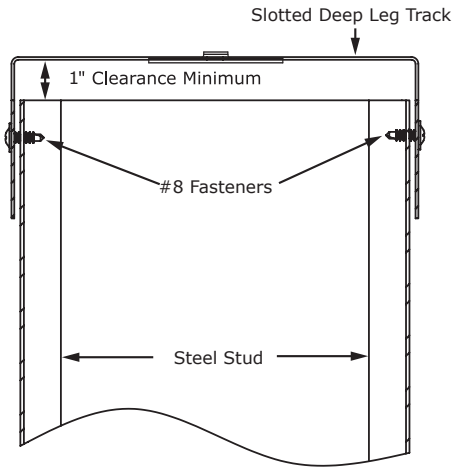



## Drift Insert Detail




***Sold Separately.**
*Spacing determined by design professional.*

## Section View



# DD
# Deep Leg Seismic Drift Track

## Section Properties

| Part No. | Fy (ksi) | Design Thickness (in) | Gross Properties | | | | | | Effective Properties | | Allowable Lateral Load (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Area ($in^2$) | Weight (lb/ft) | Ix ($in^4$) | Rx (in) | Iy ($in^4$) | Ry (in) | Sxx ($in^3$) | Lxx ($in^4$) | |
| 250DD325-33EQS | 57 | 0.0295 | 0.265 | 0.90 | 0.364 | 1.171 | 0.307 | 1.075 | 0.075 | 0.123 | 35 |
| 250DD325-33 | 33 | 0.0346 | 0.311 | 1.06 | 0.428 | 1.172 | 0.359 | 1.074 | 0.098 | 0.157 | 47 |
| 250DD325-43EQS | 57 | 0.0400 | 0.360 | 1.22 | 0.495 | 1.173 | 0.414 | 1.073 | 0.110 | 0.178 | 71 |
| 250DD325-43 | 33 | 0.0451 | 0.406 | 1.38 | 0.559 | 1.174 | 0.466 | 1.073 | 0.133 | 0.193 | 92 |
| 250DD325-54 | 50 | 0.0566 | 0.509 | 1.73 | 0.713 | 1.184 | 0.583 | 1.071 | 0.174 | 0.263 | 179 |
| 250DD325-68 | 50 | 0.0713 | 0.641 | 2.18 | 0.92 | 1.198 | 0.731 | 1.068 | 0.221 | 0.337 | 299 |
| 250DD325-97 | 50 | 0.1017 | 0.913 | 3.11 | 1.376 | 1.227 | 1.032 | 1.063 | 0.314 | 0.497 | 707 |
| 350DD325-33EQS | 57 | 0.0295 | 0.295 | 1.00 | 0.729 | 1.572 | 0.343 | 1.078 | 0.101 | 0.263 | 35 |
| 350DD325-33 | 33 | 0.0346 | 0.346 | 1.18 | 0.856 | 1.573 | 0.401 | 1.077 | 0.153 | 0.340 | 47 |
| 350DD325-43EQS | 57 | 0.0400 | 0.400 | 1.36 | 0.99 | 1.574 | 0.463 | 1.076 | 0.165 | 0.387 | 71 |
| 350DD325-43 | 33 | 0.0451 | 0.451 | 1.53 | 1.117 | 1.575 | 0.521 | 1.075 | 0.211 | 0.419 | 92 |
| 350DD325-54 | 50 | 0.0566 | 0.565 | 1.92 | 1.418 | 1.584 | 0.651 | 1.073 | 0.278 | 0.565 | 179 |
| 350DD325-68 | 50 | 0.0713 | 0.712 | 2.42 | 1.816 | 1.597 | 0.816 | 1.071 | 0.352 | 0.720 | 299 |
| 350DD325-97 | 50 | 0.1017 | 1.015 | 3.45 | 2.676 | 1.624 | 1.151 | 1.065 | 0.499 | 1.047 | 707 |
| 362DD325-33EQS | 57 | 0.0295 | 0.299 | 1.02 | 0.785 | 1.621 | 0.347 | 1.077 | 0.105 | 0.285 | 35 |
| 362DD325-33 | 33 | 0.0346 | 0.350 | 1.19 | 0.921 | 1.622 | 0.406 | 1.076 | 0.160 | 0.369 | 47 |
| 362DD325-43EQS | 57 | 0.0400 | 0.405 | 1.38 | 1.066 | 1.623 | 0.468 | 1.076 | 0.172 | 0.421 | 71 |
| 362DD325-43 | 33 | 0.0451 | 0.456 | 1.55 | 1.203 | 1.624 | 0.527 | 1.075 | 0.222 | 0.455 | 92 |
| 362DD325-54 | 50 | 0.0566 | 0.572 | 1.95 | 1.526 | 1.633 | 0.659 | 1.073 | 0.292 | 0.613 | 179 |
| 362DD325-68 | 50 | 0.0713 | 0.721 | 2.45 | 1.952 | 1.646 | 0.825 | 1.070 | 0.370 | 0.780 | 299 |
| 362DD325-97 | 50 | 0.1017 | 1.027 | 3.50 | 2.873 | 1.672 | 1.164 | 1.064 | 0.524 | 1.135 | 707 |
| 400DD325-33EQS | 57 | 0.0295 | 0.310 | 1.05 | 0.966 | 1.766 | 0.358 | 1.075 | 0.117 | 0.354 | 35 |
| 400DD325-33 | 33 | 0.0346 | 0.363 | 1.24 | 1.134 | 1.767 | 0.419 | 1.074 | 0.180 | 0.466 | 47 |
| 400DD325-43EQS | 57 | 0.0400 | 0.420 | 1.43 | 1.311 | 1.768 | 0.484 | 1.073 | 0.193 | 0.527 | 71 |
| 400DD325-43 | 33 | 0.0451 | 0.473 | 1.61 | 1.48 | 1.768 | 0.544 | 1.073 | 0.256 | 0.575 | 92 |
| 400DD325-54 | 50 | 0.0566 | 0.594 | 2.02 | 1.875 | 1.777 | 0.680 | 1.070 | 0.337 | 0.773 | 179 |
| 400DD325-68 | 50 | 0.0713 | 0.748 | 2.54 | 2.395 | 1.790 | 0.852 | 1.068 | 0.427 | 0.982 | 299 |
| 400DD325-97 | 50 | 0.1017 | 1.066 | 3.63 | 3.514 | 1.816 | 1.202 | 1.062 | 0.604 | 1.424 | 707 |
| 600DD325-33EQS | 57 | 0.0295 | 0.369 | 1.25 | 2.319 | 2.508 | 0.407 | 1.051 | 0.180 | 0.873 | 35 |
| 600DD325-33 | 33 | 0.0346 | 0.432 | 1.47 | 2.72 | 2.508 | 0.477 | 1.050 | 0.285 | 1.191 | 47 |
| 600DD325-43EQS | 57 | 0.0400 | 0.500 | 1.70 | 3.146 | 2.509 | 0.550 | 1.049 | 0.303 | 1.325 | 71 |
| 600DD325-43 | 33 | 0.0451 | 0.563 | 1.92 | 3.548 | 2.510 | 0.619 | 1.048 | 0.441 | 1.561 | 92 |
| 600DD325-54 | 50 | 0.0566 | 0.707 | 2.41 | 4.479 | 2.517 | 0.773 | 1.046 | 0.557 | 2.038 | 179 |
| 600DD325-68 | 50 | 0.0713 | 0.890 | 3.03 | 5.691 | 2.528 | 0.969 | 1.043 | 0.761 | 2.608 | 299 |
| 600DD325-97 | 50 | 0.1017 | 1.269 | 4.32 | 8.259 | 2.551 | 1.365 | 1.037 | 1.112 | 3.752 | 707 |
| 800DD325-33EQS | 57 | 0.0295 | 0.428 | 1.46 | 4.409 | 3.211 | 0.443 | 1.018 | 0.244 | 1.655 | 35 |
| 800DD325-33 | 33 | 0.0346 | 0.502 | 1.71 | 5.172 | 3.211 | 0.519 | 1.017 | 0.391 | 2.308 | 47 |
| 800DD325-43EQS | 57 | 0.0400 | 0.580 | 1.97 | 5.98 | 3.212 | 0.598 | 1.016 | 0.412 | 2.550 | 71 |
| 800DD325-54 | 50 | 0.0566 | 0.820 | 2.79 | 8.497 | 3.219 | 0.841 | 1.013 | 0.775 | 3.996 | 179 |
| 800DD325-68 | 50 | 0.0713 | 1.033 | 3.51 | 10.767 | 3.229 | 1.053 | 1.010 | 1.083 | 5.269 | 299 |
| 800DD325-97 | 50 | 0.1017 | 1.472 | 5.01 | 15.542 | 3.249 | 1.483 | 1.004 | 1.739 | 7.704 | 707 |

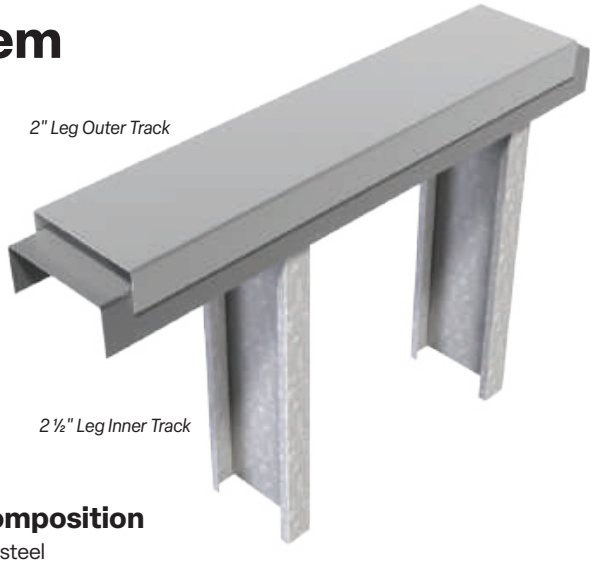
### Table Notes

1. Gross properties based on the full section, not reduced for flange slots.
2. Effective properties based on a compression flange of 3/4" (before local buckling reductions) and a tension flange of 1½".
3. For deflection calculations, use effective Ixx.
4. All properties based on unpunched webs.
5. Web depth is equal to the nominal depth plus two times the design thickness, plus the inside bend radius.
6. X-X properties are 'strong-axis' properties. Y-Y properties are about the 'weak-axis.'
7. Effective properties based on the "North American Specification for the Design of Cold-Formed Steel Structural Members," AISI S100.
8. For SI: 1 inch = 25.4 mm, 1 ksi = 6.8948 kPa, 1 lb/ft = 14.594 N/m.

# TTDS
# Track-in-Track Deflection System

## Product Application

TTDS track-in-track deflection system is a two-piece assembly that accommodates deflection of exterior curtain walls and interior partition walls. The outer track is custom-made with a deeper leg and wider web width typically installed to the underside of the floor decking. A pre-constructed wall assembly slides into the deep leg track, and is designed to allow a gap at the top for deflection. The track-in-track assembly cannot be used in axial load-bearing conditions or above continuous window/header spandrels.



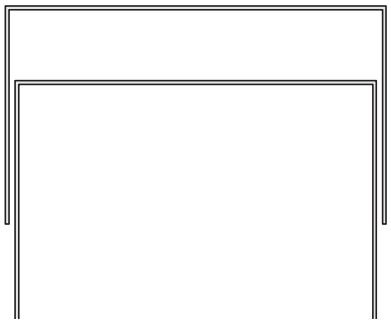

## Features and Benefits

- Standard track-in-track deflection system allows up to 1" of vertical movement
- Absorbs head-of-wall and floor extension or compression movement
- Available in custom widths and thicknesses

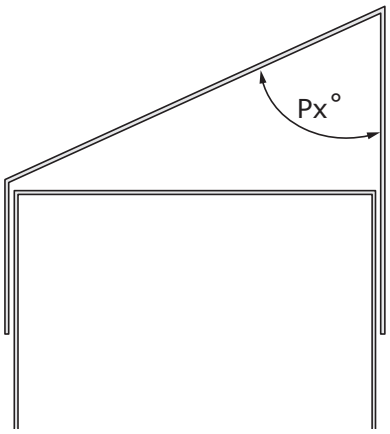
## Material Composition

- Mill certified steel
- ASTM A653/A1003/C645
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 43 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 54 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 68 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 97 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*

## Track-in-Track Types



**Standard Track-in-Track**




**Track-in-Pitch Track**
*Specify Px° or roof pitch (X/12) when ordering.*

# TTDS
# Track-in-Track Deflection System

## Order Information

| 2 ½" Stud Width TTDS | | | | | | |
|---|---|---|---|---|---|---|
| Part No. | SSMA Reference | Thickness | | | Outer Track Size (in) | Weight (lbs/ft) |
| | | Mil | Gauge | Inches | | |
| TTDS | 250T250-33 / 262T200-33 | 33 | 20 | 0.0346" | 2 ⅝" | 1.47 |
| | 250T250-43 / 262T200-43 | 43 | 18 | 0.0451" | 2 ⅝" | 1.92 |
| | 250T250-54 / 262T200-54 | 54 | 16 | 0.0566" | 2 ⅝" | 2.41 |
| | 250T250-68 / 275T200-68 | 68 | 14 | 0.0713" | 2 ¾" | 3.06 |
| | 250T250-97 / 275T200-97 | 97 | 12 | 0.1017" | 2 ¾" | 4.37 |

| 3 ½" Stud Width TTDS | | | | | | |
|---|---|---|---|---|---|---|
| Part No. | SSMA Reference | Thickness | | | Outer Track Size (in) | Weight (lbs/ft) |
| | | Mil | Gauge | Inches | | |
| TTDS | 350T250-33 / 362T200-33 | 33 | 20 | 0.0346" | 3 ⅝" | 1.70 |
| | 350T250-43 / 362T200-43 | 43 | 18 | 0.0451" | 3 ⅝" | 2.21 |
| | 350T250-54 / 362T200-54 | 54 | 16 | 0.0566" | 3 ⅝" | 2.78 |
| | 350T250-68 / 375T200-68 | 68 | 14 | 0.0713" | 3 ¾" | 3.53 |
| | 350T250-97 / 375T200-97 | 97 | 12 | 0.1017" | 3 ¾" | 5.03 |

| 3 ⅝" Stud Width TTDS | | | | | | |
|---|---|---|---|---|---|---|
| Part No. | SSMA Reference | Thickness | | | Outer Track Size (in) | Weight (lbs/ft) |
| | | Mil | Gauge | Inches | | |
| TTDS | 362T250-33 / 375T200-33 | 33 | 20 | 0.0346" | 3 ¾" | 1.72 |
| | 362T250-43 / 375T200-43 | 43 | 18 | 0.0451" | 3 ¾" | 2.25 |
| | 362T250-54 / 375T200-54 | 54 | 16 | 0.0566" | 3 ¾" | 2.82 |
| | 362T250-68 / 387T200-68 | 68 | 14 | 0.0713" | 3 ⅞" | 3.58 |
| | 362T250-97 / 387T200-97 | 97 | 12 | 0.1017" | 3 ⅞" | 5.11 |

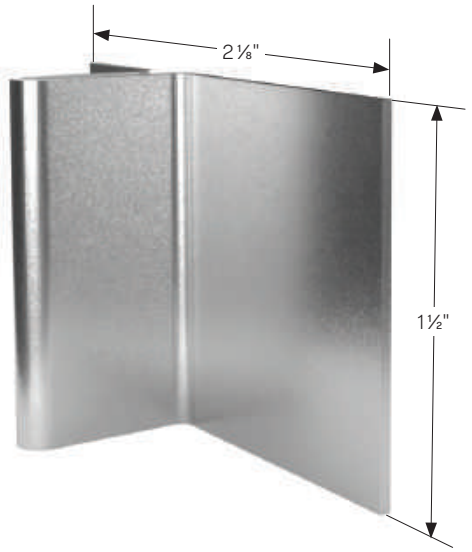
| 4" Stud Width TTDS | | | | | | |
|---|---|---|---|---|---|---|
| Part No. | SSMA Reference | Thickness | | | Outer Track Size (in) | Weight (lbs/ft) |
| | | Mil | Gauge | Inches | | |
| TTDS | 400T250-33 / 412T200-33 | 33 | 20 | 0.0346" | 4 ⅛" | 1.81 |
| | 400T250-43 / 412T200-43 | 43 | 18 | 0.0451" | 4 ⅛" | 2.36 |
| | 400T250-54 / 412T200-54 | 54 | 16 | 0.0566" | 4 ⅛" | 2.96 |
| | 400T250-68 / 425T200-68 | 68 | 14 | 0.0713" | 4 ¼" | 3.76 |
| | 400T250-97 / 425T200-97 | 97 | 12 | 0.1017" | 4 ¼" | 5.36 |

| 5 ½" Stud Width TTDS | | | | | | |
|---|---|---|---|---|---|---|
| Part No. | SSMA Reference | Thickness | | | Outer Track Size (in) | Weight (lbs/ft) |
| | | Mil | Gauge | Inches | | |
| TTDS | 550T250-33 / 562T200-33 | 33 | 20 | 0.0346" | 5 ⅝" | 2.15 |
| | 550T250-43 / 562T200-43 | 43 | 18 | 0.0451" | 5 ⅝" | 2.80 |
| | 550T250-54 / 562T200-54 | 54 | 16 | 0.0566" | 5 ⅝" | 3.51 |
| | 550T250-68 / 575T200-68 | 68 | 14 | 0.0713" | 5 ¾" | 4.45 |
| | 550T250-97 / 575T200-97 | 97 | 12 | 0.1017" | 5 ¾" | 6.35 |

| 6" Stud Width TTDS | | | | | | |
|---|---|---|---|---|---|---|
| Part No. | SSMA Reference | Thickness | | | Outer Track Size (in) | Weight (lbs/ft) |
| | | Mil | Gauge | Inches | | |
| TTDS | 600T250-33 / 612T200-33 | 33 | 20 | 0.0346" | 6 ⅛" | 2.26 |
| | 600T250-43 / 612T200-43 | 43 | 18 | 0.0451" | 6 ⅛" | 2.94 |
| | 600T250-54 / 612T200-54 | 54 | 16 | 0.0566" | 6 ⅛" | 3.69 |
| | 600T250-68 / 625T200-68 | 68 | 14 | 0.0713" | 6 ¼" | 4.68 |
| | 600T250-97 / 625T200-97 | 97 | 12 | 0.1017" | 6 ¼" | 6.68 |

| 8" Stud Width TTDS | | | | | | |
|---|---|---|---|---|---|---|
| Part No. | SSMA Reference | Thickness | | | Outer Track Size (in) | Weight (lbs/ft) |
| | | Mil | Gauge | Inches | | |
| TTDS | 800T250-33 / 812T200-33 | 33 | 20 | 0.0346" | 8 ⅛" | 2.71 |
| | 800T250-43 / 812T200-43 | 43 | 18 | 0.0451" | 8 ⅛" | 3.53 |
| | 800T250-54 / 812T200-54 | 54 | 16 | 0.0566" | 8 ⅛" | 4.43 |
| | 800T250-68 / 825T200-68 | 68 | 14 | 0.0713" | 8 ¼" | 5.61 |
| | 800T250-97 / 825T200-97 | 97 | 12 | 0.1017" | 8 ¼" | 8.00 |

# FTDC
# Float Track Deflection Clip




## Product Application

The FTDC float track deflection clip attaches to the inside flange(s) of the ceiling track. These clips can be utilized to accommodate various track depths for different deflection needs, reinforcing stud-to-track connections without interfering with deflection.

FTDC clips can be used with any stud, gauge, or size of track.

## Features and Benefits

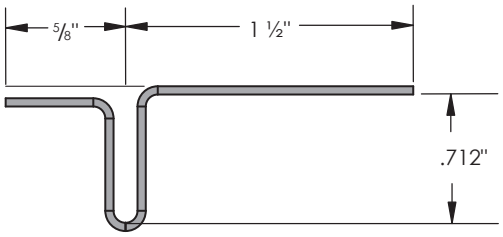
- Available in three thicknesses: 33mil, 43mil, and 54mil
- Attaches with #8 or #10 screws
- Maintains lateral rigidity through positive screw connection
- Packaged in durable buckets for convenient jobsite handling
- Can be used with stud returns up to 5/8''

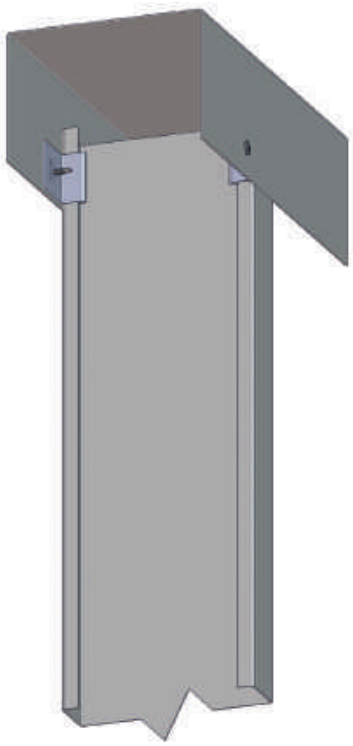
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 galvanized coating*
- 43 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 galvanized coating*
- 54 mil
  - *57 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 galvanized coating*

## Quantity / Order Information

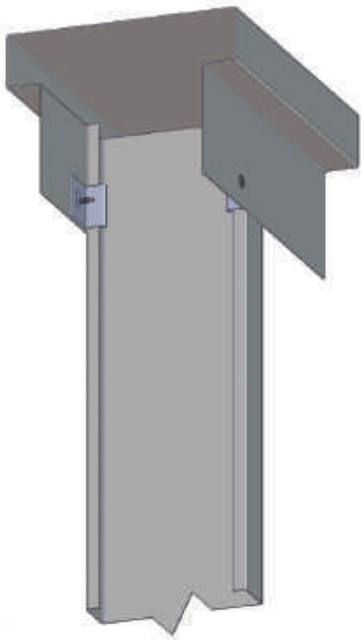
| Part No. | Qty / Bucket | Lbs/ Bucket |
|---|---|---|
| FTDC - 33 | 250 | 15 |
| FTDC - 43 | 250 | 18 |
| FTDC - 54 | 230 | 22 |



Deep Leg Track Systems
with FTDC Clips

# DFT
# Deflection Fire Track



## Product Application

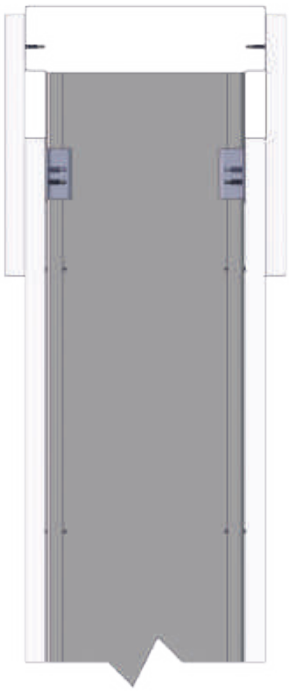
SCAFCO offers Deflection Fire Track (DFT) and Cavity Deflection Fire Track (CDFT), which each accommodate a head-of-wall deflection and fire rated system for interior and exterior walls. SCAFCO DFT and CDFT can be used in place of other Fire/Deflection Track systems.

## Features and Benefits

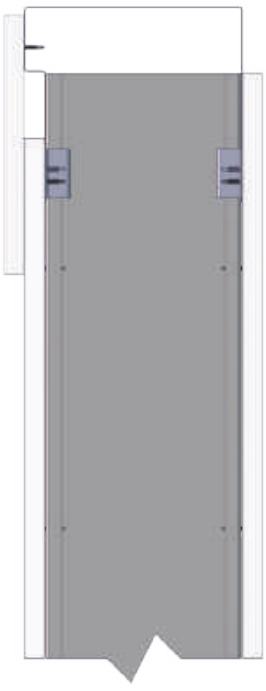
- Absorbs head-of-wall extension or compression movement
- Available in custom widths to accommodate any gypsum board configuration
- Available with custom leg sizes to accommodate any deflection requirements
- Can be made to accommodate roof pitch
- Can be used with the FTDC Clips

## Material Compositi

- Mill certified steel
- ASTM A653/A1003/C645
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 43 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 54 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 68 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*
- 97 mil
  - *50 ksi yield strength*
  - *65 ksi tensile strength*
  - *G60 / G90 galvanized coating*



Deflection Fire Track (DFT)
with Gypsum Board



Cavity Deflection Fire Track (CDFT)
with Gypsum Board

## SCAFCO Steel Framing

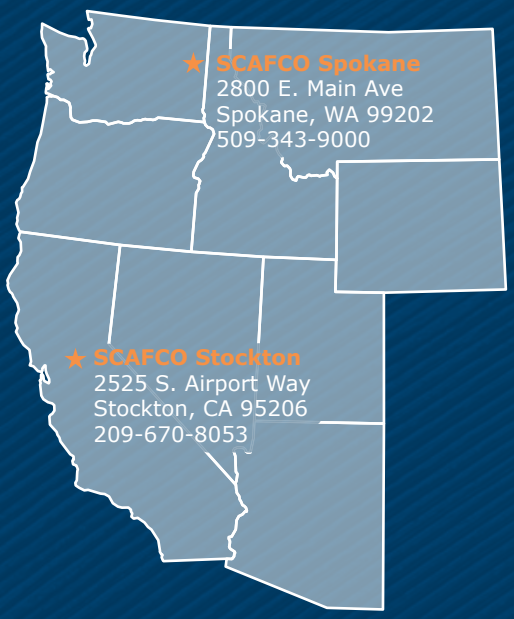
With 70 years of manufacturing experience, SCAFCO has gained a worldwide reputation for high-quality products, great customer service, and strong corporate ethics. Our comprehensive team of engineers, production experts, and sales professionals focus on providing customer driven products. We currently have manufacturing facilities in Spokane, WA and Stockton, CA. We also feature press brakes and shears capable of making on-demand, custom parts up to 24' in length.

## Engineering Services

For assistance with ordering or questions on your project, utilize SCAFCO Engineering Services:

Call: 509-789-8669
Email: Technical@SCAFCO.com

## MANUFACTURING LOCATIONS

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