



STEEL FRAMING CONNECTIONS

CATALOG 400



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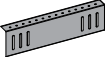
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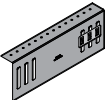
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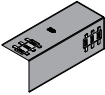
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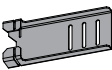
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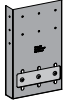
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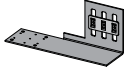
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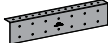
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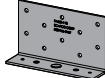
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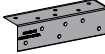
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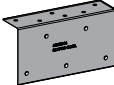
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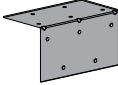
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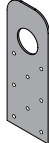
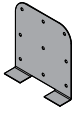
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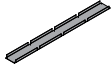
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BACKING, BLOCKING, & STIFFENERS



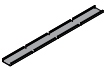
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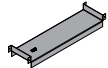
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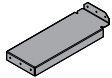
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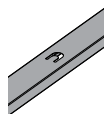
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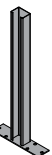
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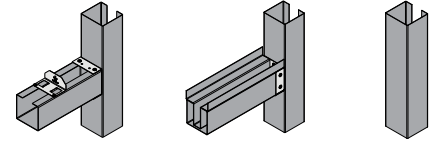


Ponywall

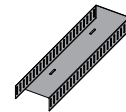
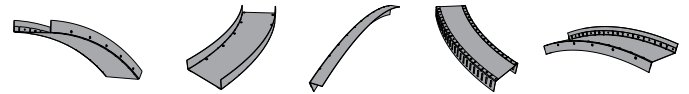
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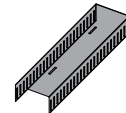


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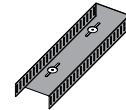
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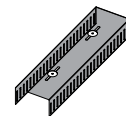
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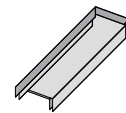
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DD

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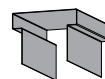
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Custom Brake Shapes

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

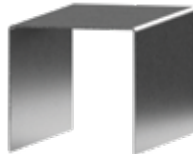
- Corrosion-resistant galvanized-coated steel
- Manufactured exclusively to drawings and specifications
- Flat stock sheets available

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

- 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.
- 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	Perpendicular	Parallel	Perpendicular
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

- Capacities based on the AISI S100 Specification Sections J2.5 for fillet welds and J2.6 for flare groove welds.
- When connecting materials of different steel thicknesses or tensile strengths, use the lowest values.
- Capacities are based on Allowable Strength Design (ASD).
- 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.
- Longitudinal capacity is considered to be loading in the direction of the length of the weld.
- Transverse capacity is loading in perpendicular direction of the length of the weld.
- For flare groove welds, the effective throat of weld is conservatively assumed to be less than 2t.
- 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.
- For transverse fillet welds, a minimum value of EQ J2.5-5, J2.5-6, and J2.5-7 was used.
- 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)			1/4" 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

¹Values are based on testing using AISI S100 procedures.

Table Notes

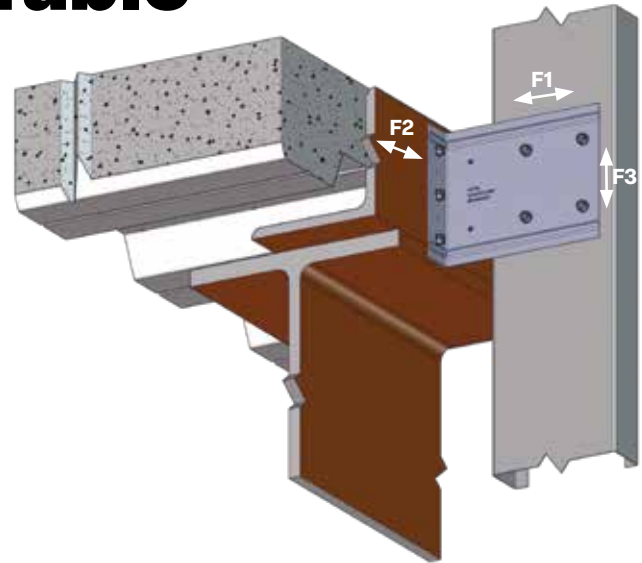
- Capacities based on AISI S100 Section J4.
- When connecting materials of different steel thicknesses or tensile strengths, use the lowest values. Tabulated values assume two sheets of equal thickness are connected.
- Capacities are based on Allowable Strength Design (ASD) and include safety factor of 3.0.
- Where multiple fasteners are used, screws are assumed to have a center-to-center spacing of at least 3 times the nominal diameter (d).
- 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.
- Pull-out capacity is based on the lesser of pull-out capacity in sheet closest to screw tip or tension strength of screw.
- Pull-over capacity is based on the lesser of pull-over capacity for sheet closest to screw header or tension strength of screw.
- Values are for pure shear or tension loads. See AISI S100 Section J4.5 for combined shear and pull-over.
- Screw Shear (Pss), tension (Pts), diameter, and head diameter are from CFSEI Tech Note (F701-12).
- Screw shear strength is the average value, and tension strength is the lowest value listed in CFSEI Tech Note (F701-12).
- 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	DSL, DTS, DTL	D-FCSC, DR97 & DRC	Bypass slab drift clip
DPLS2	-	DSL	-	Bypass structure drift strut
ESC	SCW, DTC	SL, VTX, VTD, SLD	FTC	Exterior head-of-wall vertical slide clip
DESC	HWDC	DSL, DTS, DTL	DHOW	Exterior head-of-wall multi-direction drift clip
DRC	DSSCB	DTSL, DTL	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 Jamb				
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

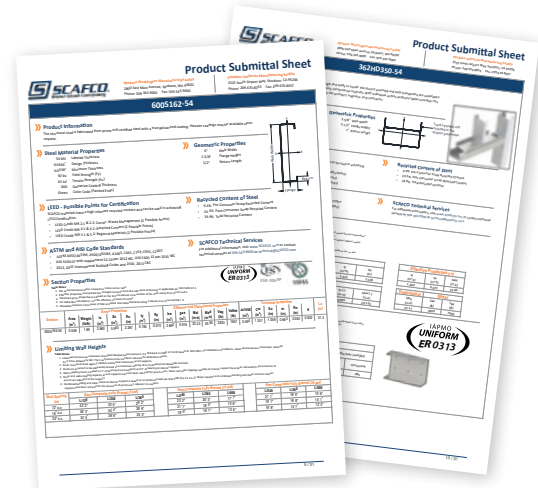
Nonstructural (Drywall) Products:

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
 - 2 1/4" 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

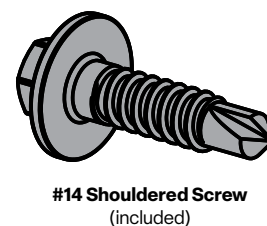
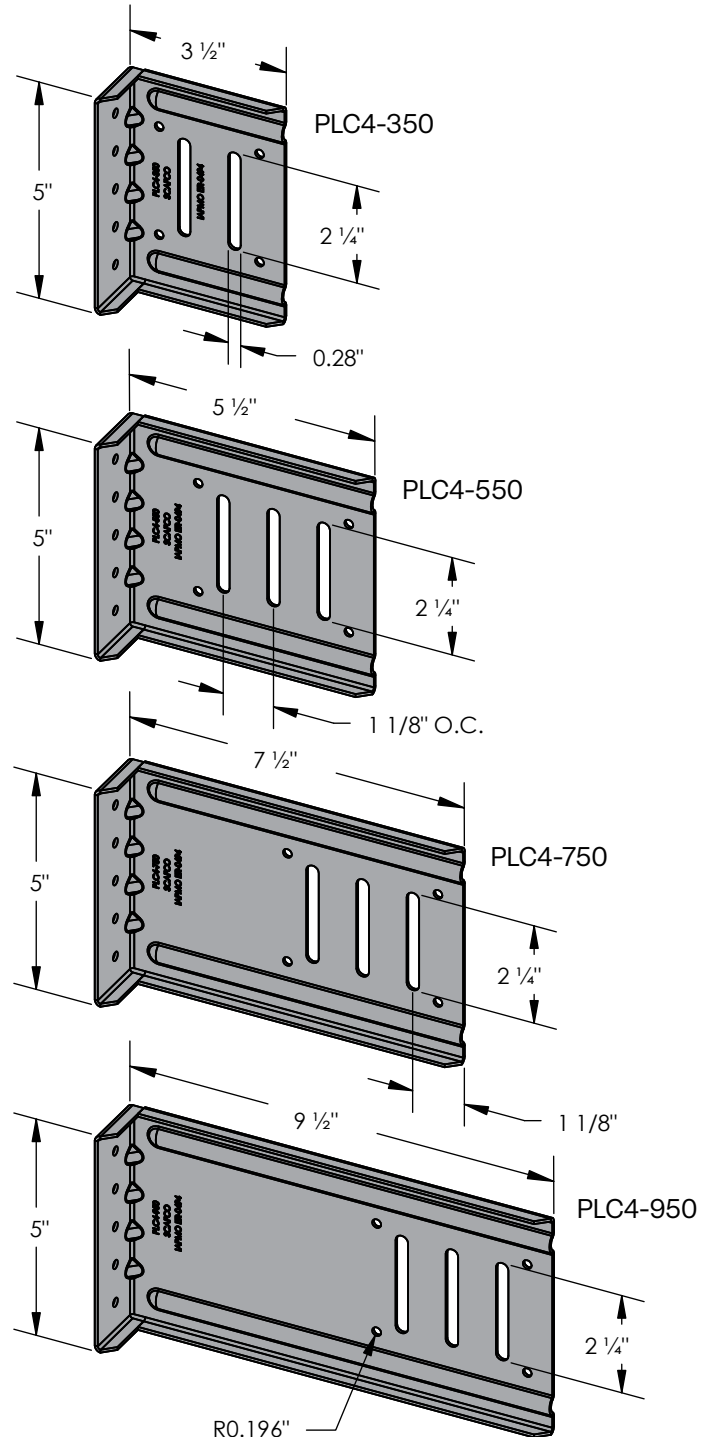
- Secure attachment
 - 4 pre-drilled holes for optional secure attachment
 - One clip for multiple uses to save labor on the job site
- Pre-punched holes
 - Pre-punched holes for multiple attachment methods to structure

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



PLC4

Bypass Slab Slide Clip

Quantity / Order Information

Part No.	Width	Qty / Stack	Lbs / Stack
PLC4-350	3 1/2"	35	19
PLC4-550	5 1/2"	35	26
PLC4-750	7 1/2"	35	34
PLC4-950	9 1/2"	25	30

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

Allowable Loads

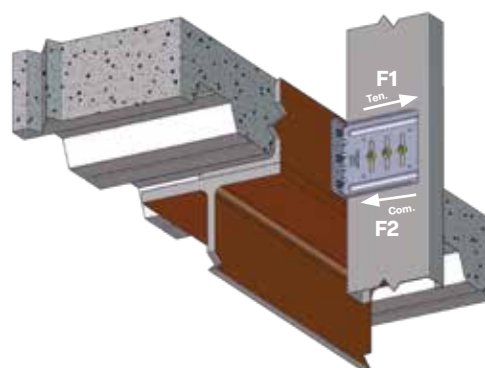
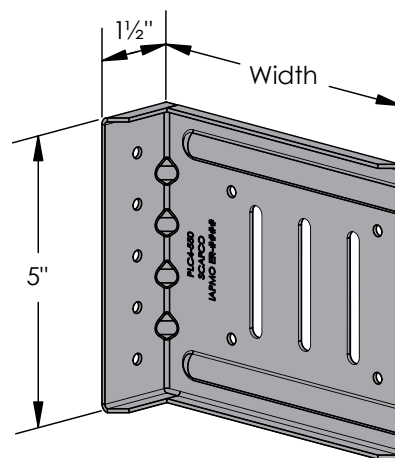
Part No.	Allowable Loads (lbs) F1/F2-Direction (See Illustration)				
	Stud Properties			2 #14 Screws	
	Thickness (mil)	Gauge	Fy (ksi)	F1 (lbs)	F2 (lbs)
PLC4 350	33EQS	20	57	485	510
	33	20	33	485	510
	43EQS	18	57	601	621
	43	18	33	601	621
	54	16	50	928	935
	68	14	50	1242	1086
	97	12	50	1242	1086
	118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

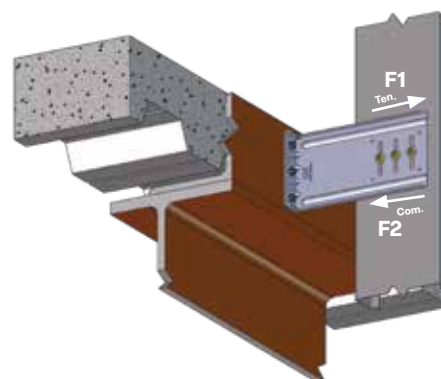
For SI: 1 mil = 0.0254 mm, 1 inch = 25.4 mm, 1 lb = 4.45N

Table Notes

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



Typical PLC4 Installation



Typical Stud Offset from Structure Installation



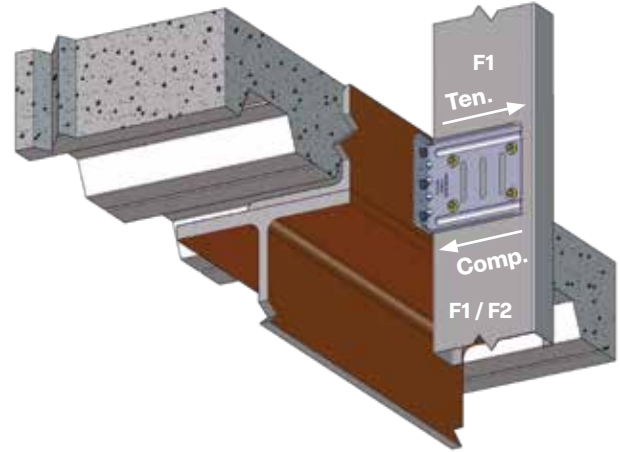
PLC4

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.

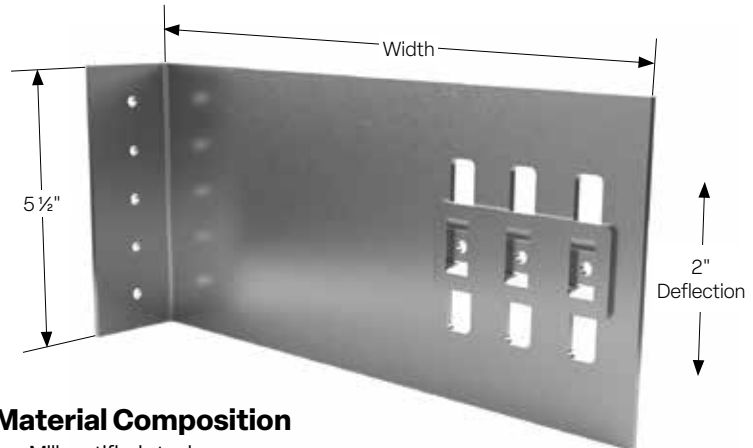
PLC2

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

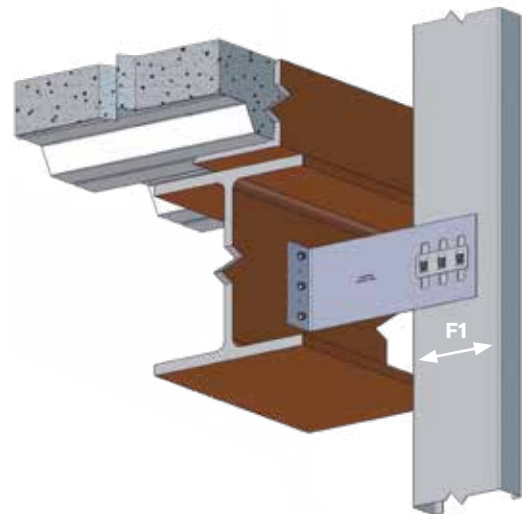
Part No.	Width	Qty / Bucket	Lbs / Bucket
PLC2-550	5 1/2"	30	54
PLC2-750	7 1/2"	25	54
PLC2-950	9 1/2"	20	50
PLC2-1150	11 1/2"	20	57

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.

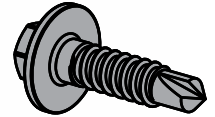
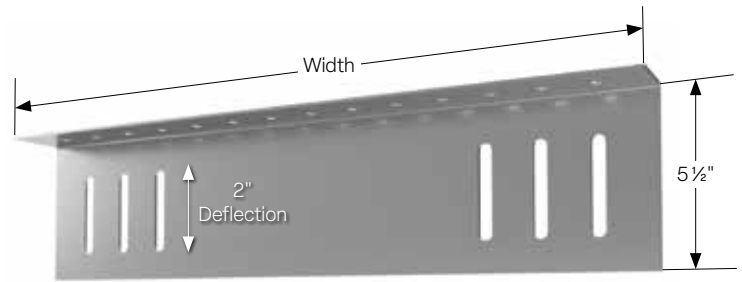
PLS4

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 #14 Screws
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	

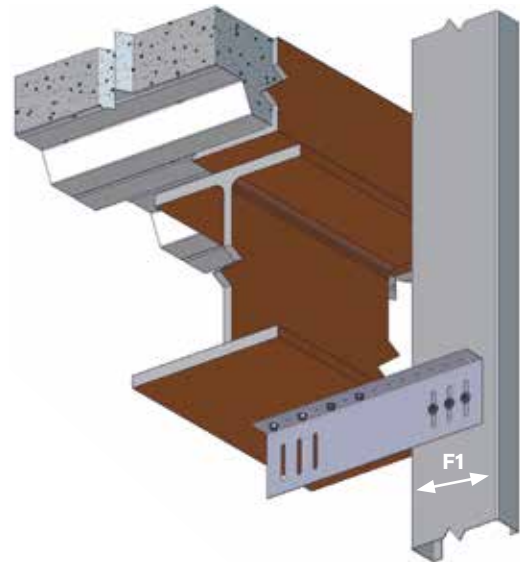


Table Notes

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

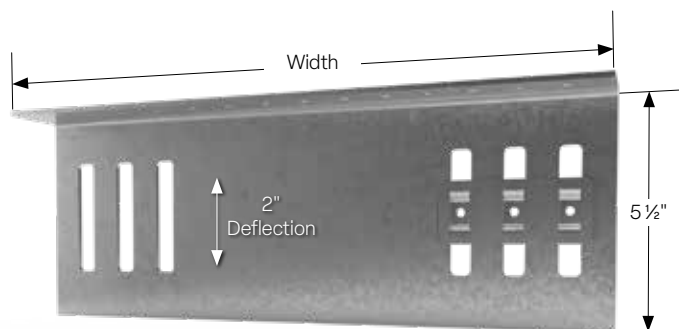
Heavy-Duty Bypass Slab Slide Strut

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

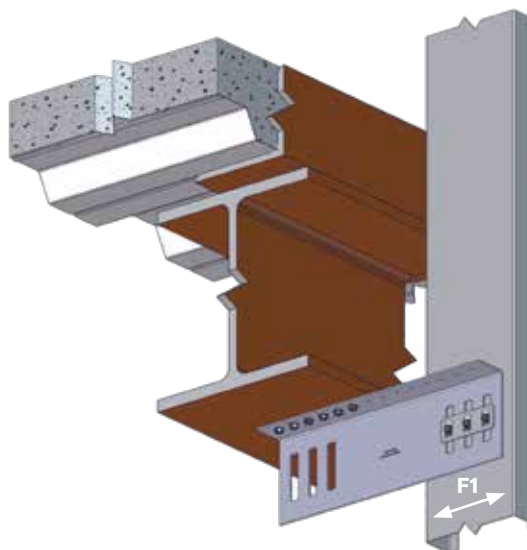
Quantity / Order Information

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.

Allowable Loads

Part No.	Stud Properties			F1 Allowable Loads (lbs)	
	Mil	Gauge	Fy (ksi)	2 #12 Screws	3 #12 Screws
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	



PLS2: Shown as Right Handed Strut.

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.

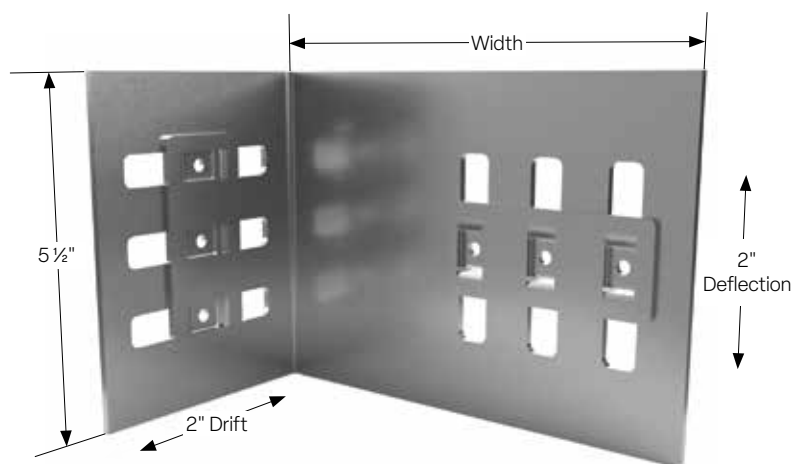
DPLC2

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 1/2"	20	56
DPLC2-750	7 1/2"	15	48
DPLC2-950	9 1/2"	15	53
DPLC2-1150	11 1/2"	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

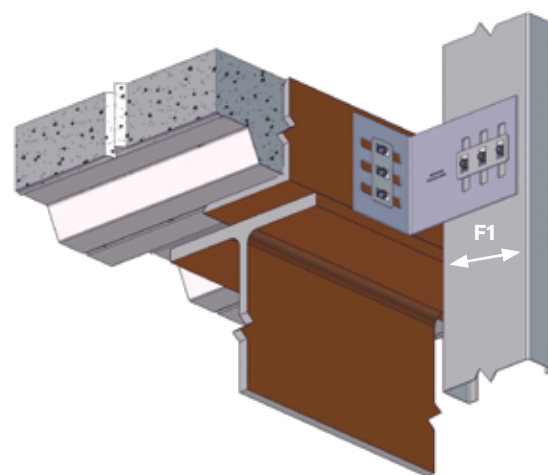


Table Notes

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.

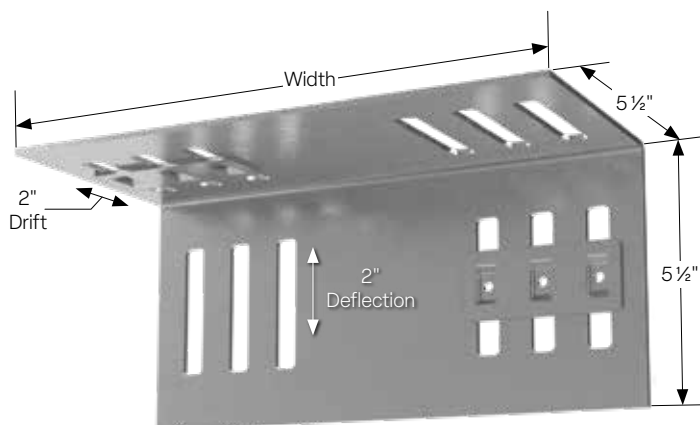
DPLS2

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.

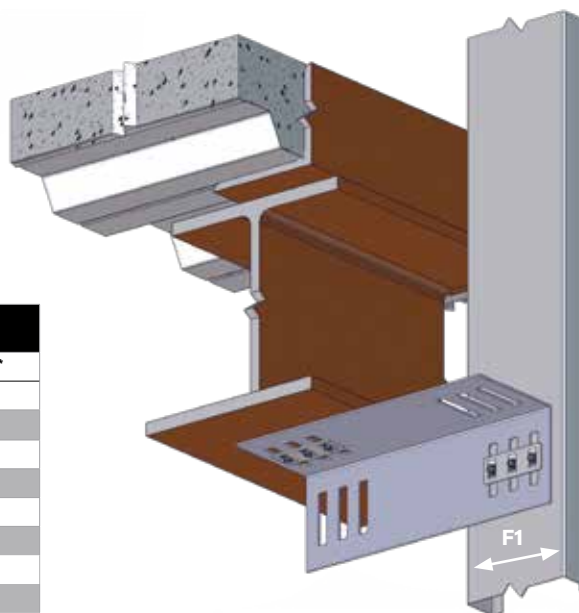
Allowable Loads

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

- Allowable loads have not been increased for wind, seismic activity, or other factors.
- The allowable loads are based on the steel properties of the members being connected, per AISI S100.
- The nominal strength of the screw must be at least 3.75 times the allowable loads.
- 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.
- Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
- 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.
- Loads are for attachment of DPLS2 drift clip to stud only.



DPLS2: Shown as Right Handed Strut.

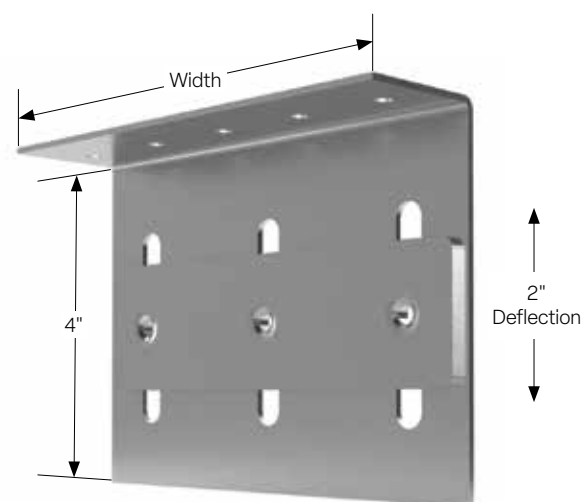
ESC

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 3/8"	100	50
ESC550	5 1/2"	50	40
ESC750	7 1/2"	50	55
ESC950	9 1/2"	30	42
ESC1150	11 1/2"	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	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	

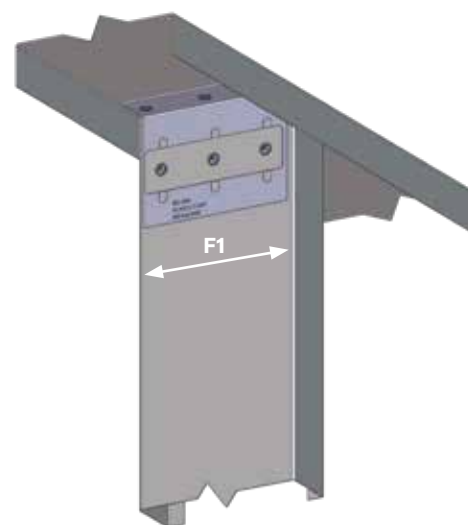


Table Notes

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.

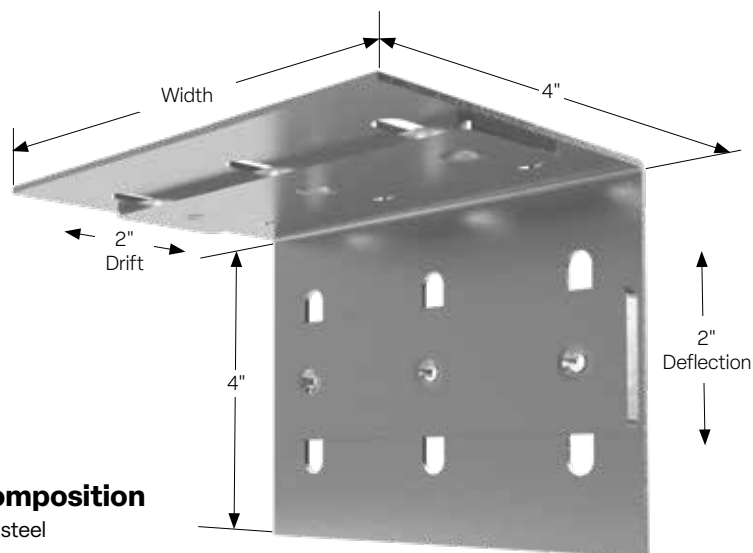
DESC

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 3/8"	50	40
DESC550	5 1/2"	30	39
DESC750	7 1/2"	30	53
DESC950	9 1/2"	20	45
DESC1150	11 1/2"	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
	43	18	33	526	795
	54	16	50	795	795
	68	14	50	795	795
	97	12	50	795	795
DESC 750	118	10	50	795	795
	118	10	50	795	795
Maximum Allowable Clip Capacity				Max F1 = 795 lbs	

*Number of screws per insert

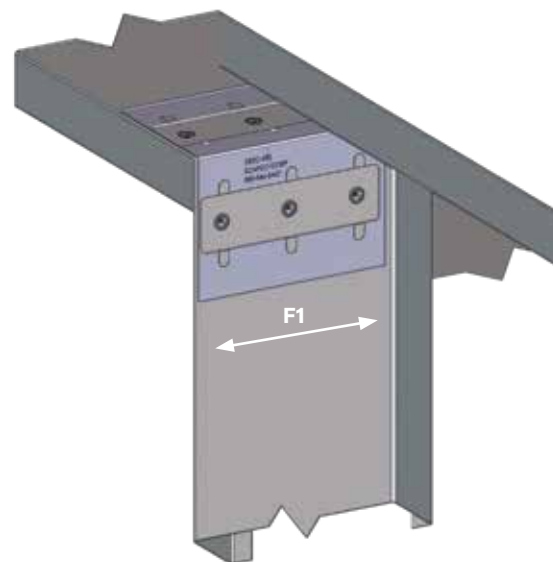


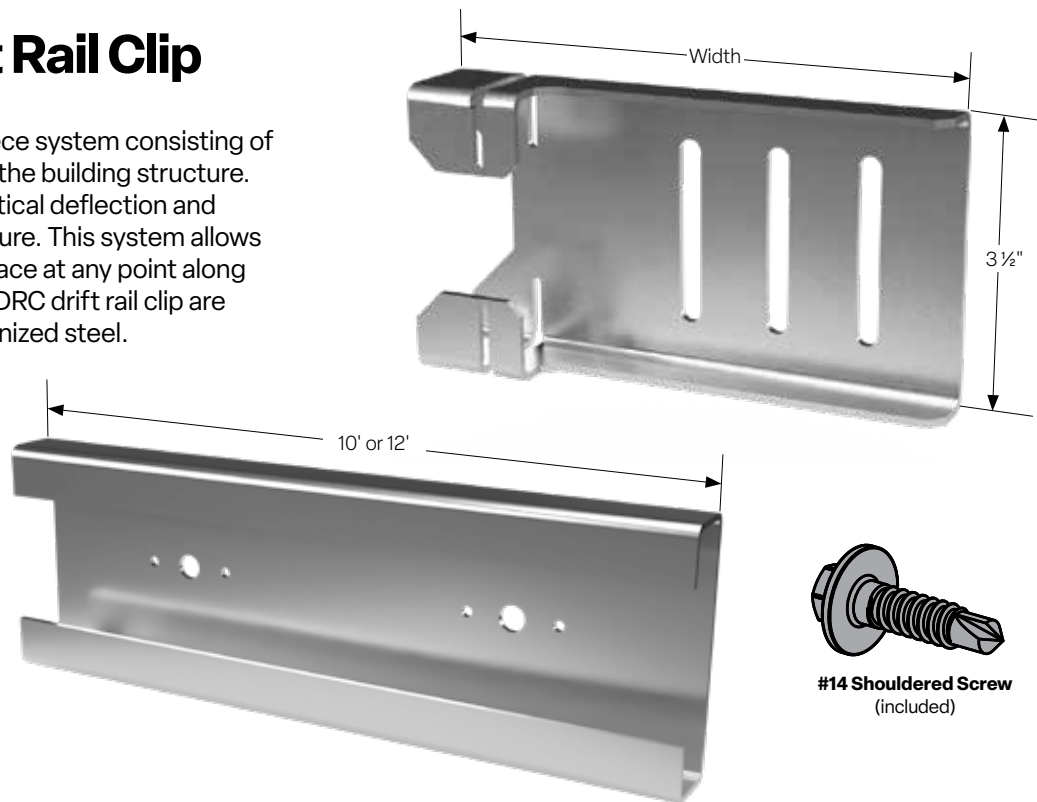
Table Notes

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.



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.

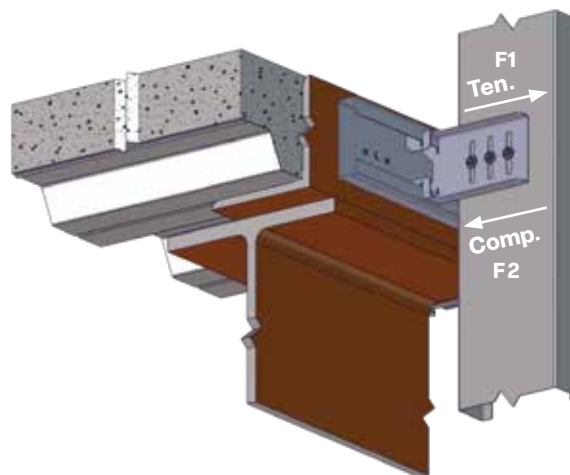
Material Composition

- 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 1/2"
DRC550	5 1/2"
DRC750	7 1/2"
DRC950	9 1/2"

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.

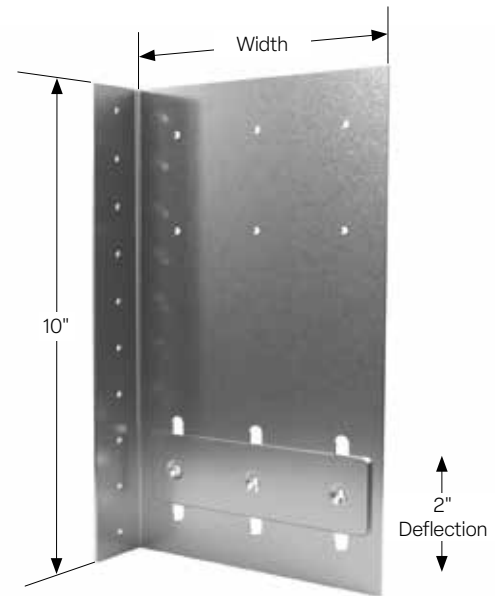
SSWT

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

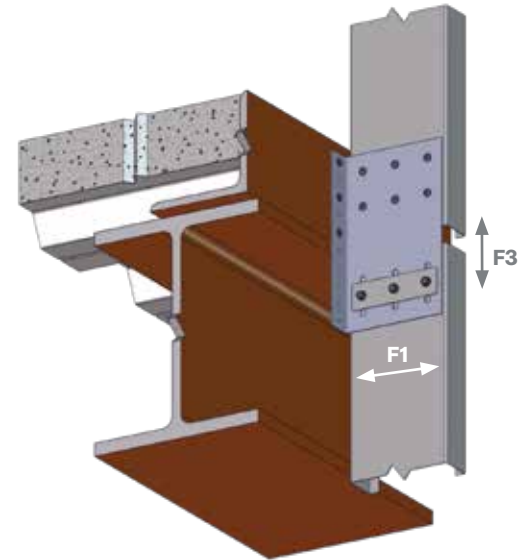
All SSWT slide clips include inserts. Additional lengths available upon request.

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.



SSWT: Shown as Right Handed Clip.

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.

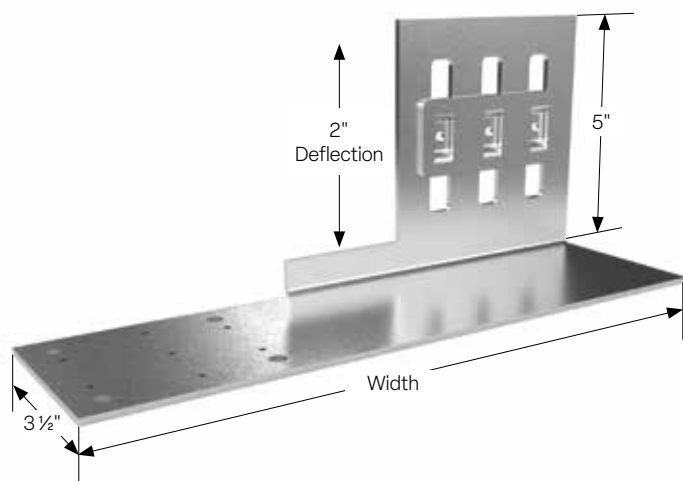
STP

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	33EQS	20	57	565
	33	20	33	565
	43EQS	18	57	841
	43	18	33	841
STP 1200	54	16	50	841
	68	14	50	841
STP 1500	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	33EQS	20	57	565
	33	20	33	565
	43EQS	18	57	757
	43	18	33	757
STP 2000	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

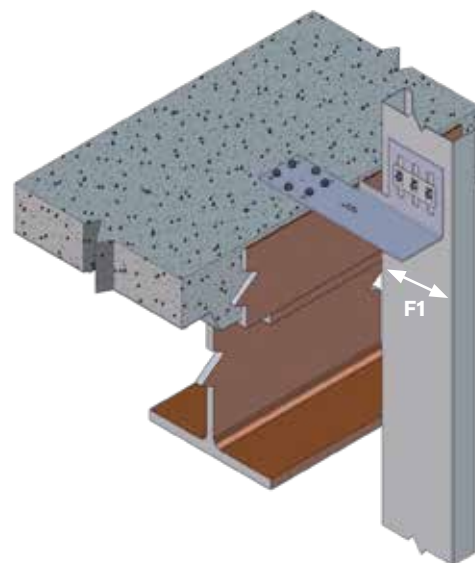


Table Notes

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.

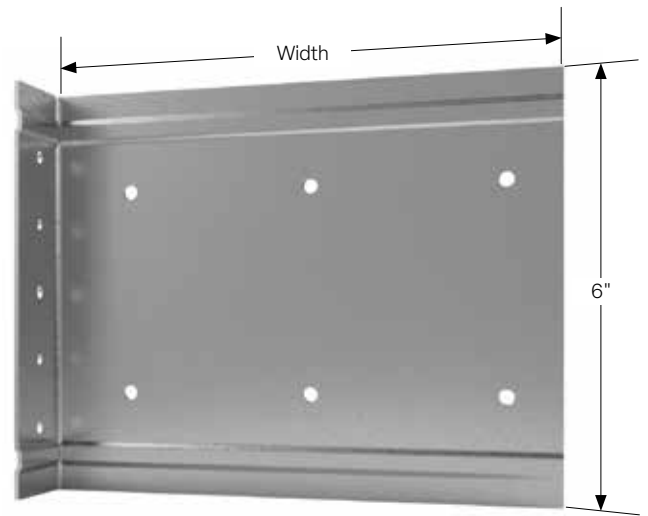
AC

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

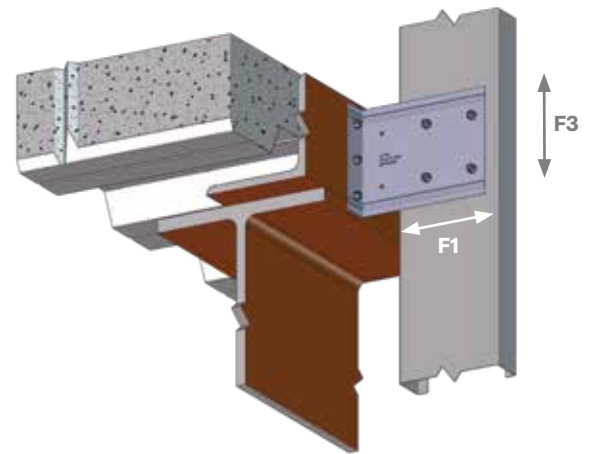
- Variety of lengths available
- Ribbed legs for additional strength
- Loads based on #10 screws
- Pre-punched guide holes
- Transfers horizontal load into structure
- Maintains lateral rigidity

Material Composition

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

Quantity / Order Information

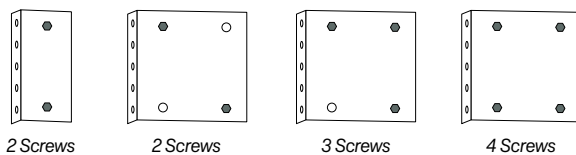
Part No.	Width	Qty / Bucket	Lbs / Bucket
AC250	2 ½"	50	23
AC350	3 ½"	50	29
AC550	5 ½"	50	41
AC750	7 ½"	50	52
AC950	9 ½"	35	45



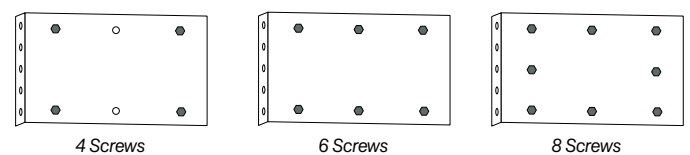
Screw Pattern Configurations

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

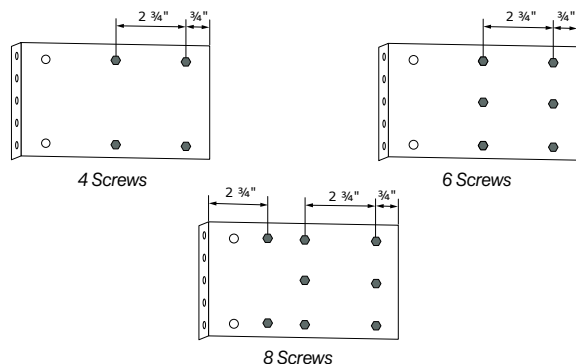
AC250, AC350, and AC550



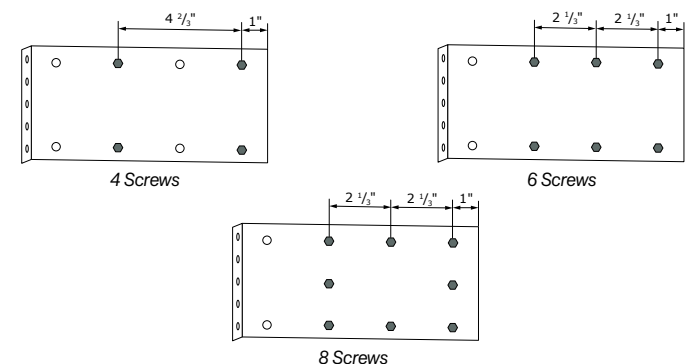
AC750



AC750 with 2" offset



AC950 with 2" offset



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		

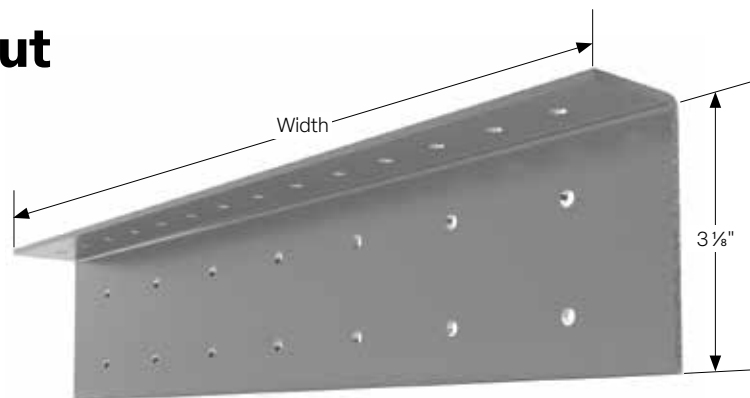
Table Notes

- Allowable loads have not been increased for wind, seismic activity, or other factors.
- The allowable loads are based on the steel properties of the members being connected, per AISI S100.
- The nominal strength of the screw must be at least 3.75 times the allowable load.
- 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.
- Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
- 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.
- 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

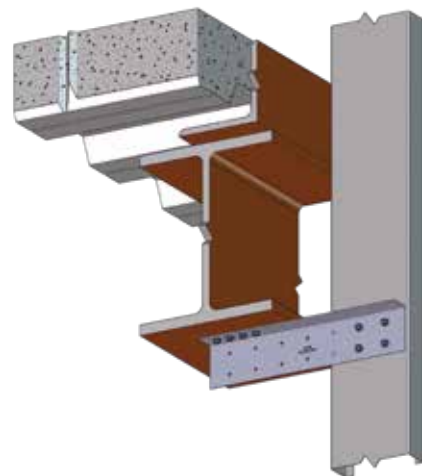
Material Composition

- 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"	-	-

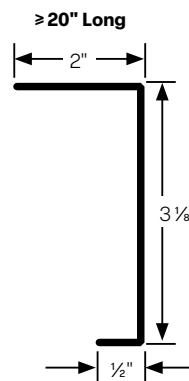
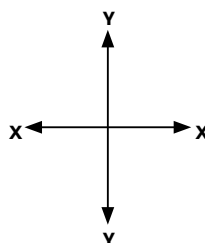
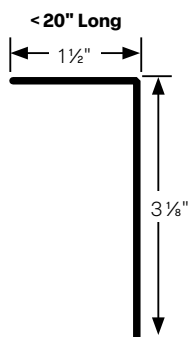
Additional lengths available upon request.
Strengthening lip added for struts 20" in length and over.



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

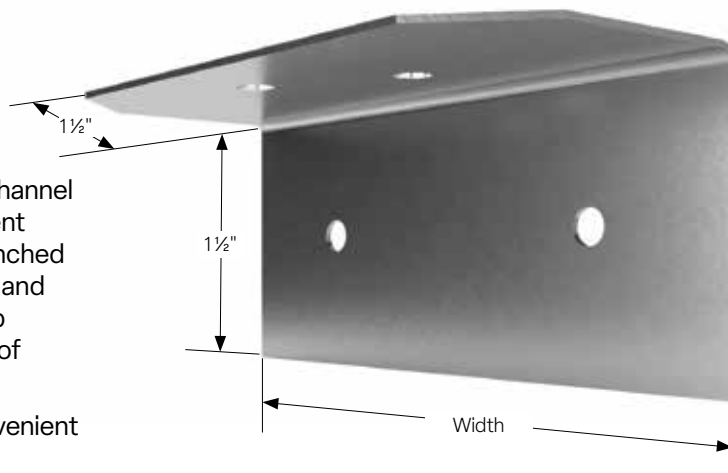


Secure Bridge Clip

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 3/8"	250	17
BC337	3 3/8"	500	48
BC575	5 3/8"	150	40
BC775	7 3/8"	100	36

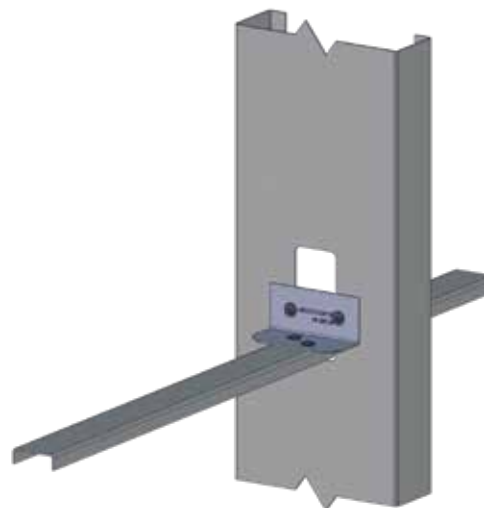
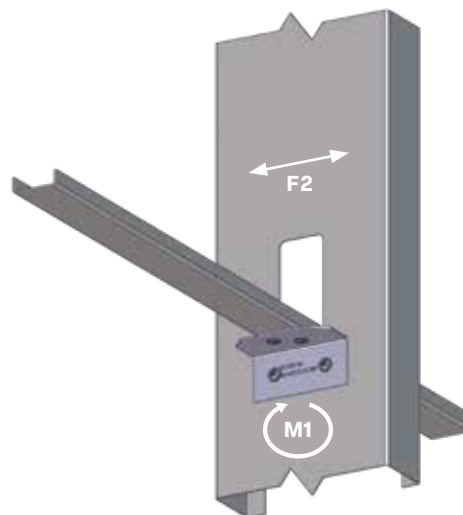
Allowable Loads

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

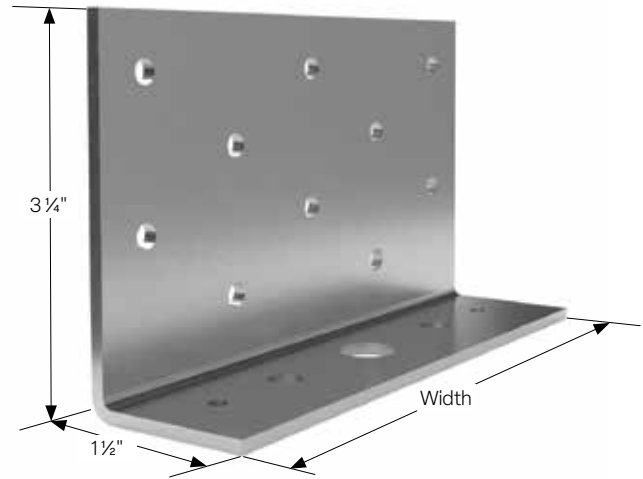
1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. Allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Screw shear capacities are 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

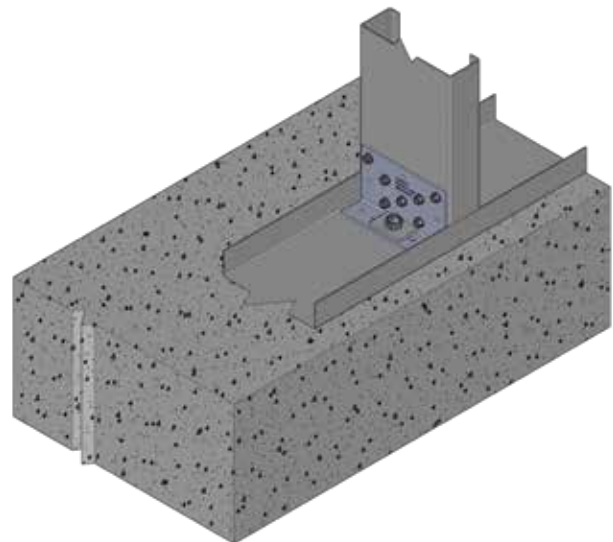
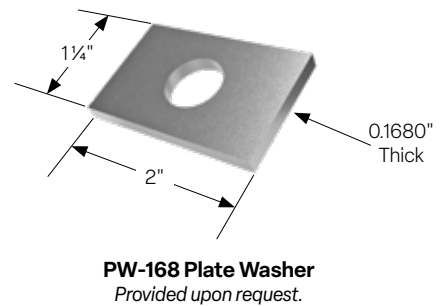
- Available in 68 mil and 118 mil
- Pre-punched guide holes
- Small flange guide holes are 0.220" in diameter (#12 fasteners)
- Medium flange guide holes are 0.30" in diameter (1/4" anchor)
- Center guide hole is 0.5625" in diameter (1/2" anchor)
- Optional plate washer for heavy duty applications
- 1 1/4" x 2" plate washer is 168 mil with 5/8" 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 3/8"	100	31
FA550-68	5 1/2"	50	26
FA750-68	7 1/2"	50	35
FA950-68	9 1/2"	50	44
FA1150-68	11 1/2"	50	53
FA337-118	3 3/8"	50	29
FA550-118	5 1/2"	50	47
FA750-118	7 1/2"	35	45
FA950-118	9 1/2"	25	41
FA1150-118	11 1/2"	25	50

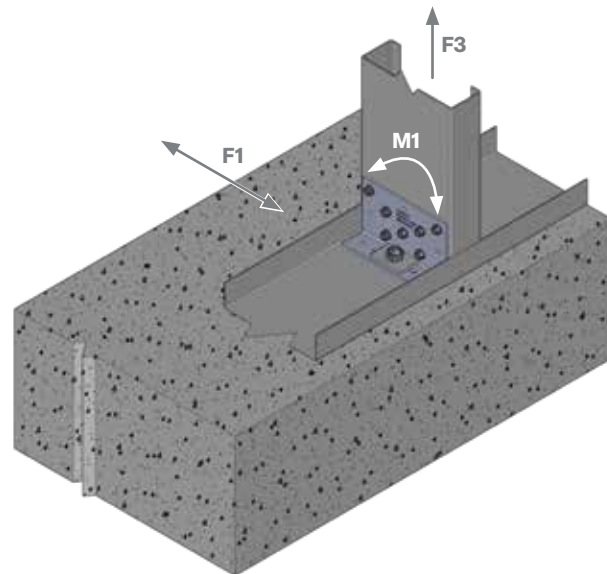


Secure Floor Anchor Allowable Loads

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 FA750-118 FA950-118 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.



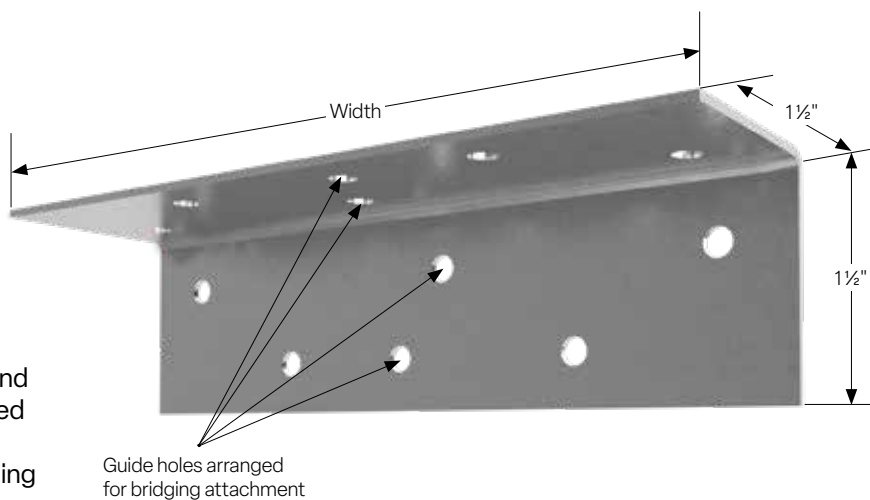
MA

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

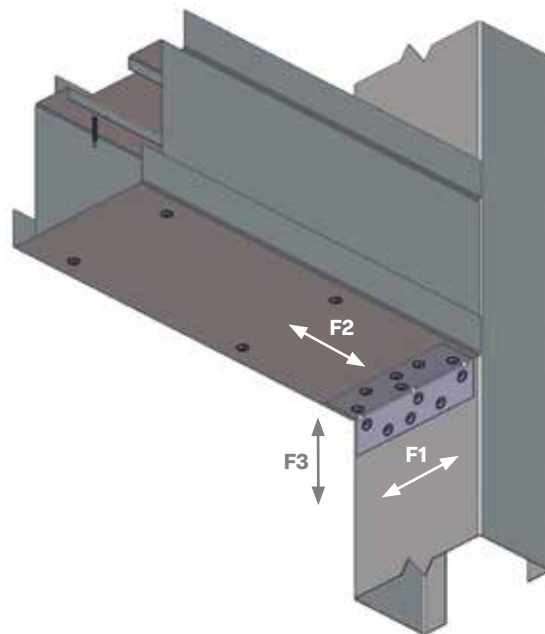
- Variety of lengths available
- Loads based on #10 screws
- Pre-punched guide holes
- No labor used cutting scrap or angle

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/G90 galvanized coating

Quantity / Order Information

Part No.	Length	Qty / Bucket	Lbs / Bucket
MA350-54	3 1/2"	200	34
MA350-68	3 1/2"	200	42
MA550-54	5 1/2"	100	26
MA550-68	5 1/2"	100	32
MA750-54	7 1/2"	100	35
MA750-68	7 1/2"	100	44
MA950-54	9 1/2"	100	44
MA950-68	9 1/2"	100	55



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

- Allowable loads have not been increased for wind, seismic activity, or other factors.
- The allowable loads are based on the steel properties of the members being connected, per AISI S100.
- The nominal strength of the screw must be at least 3.75 times the allowable load.
- Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
- 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.
- 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

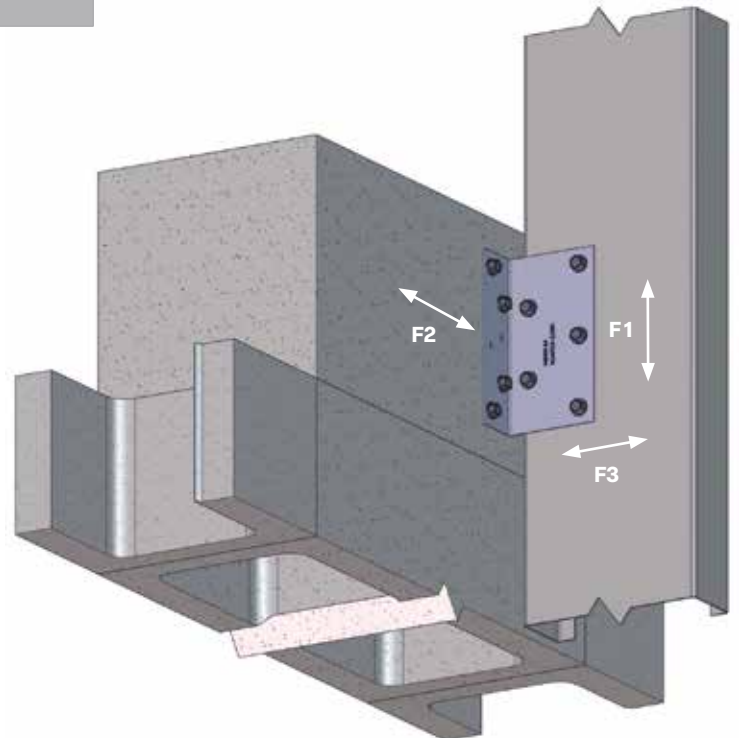
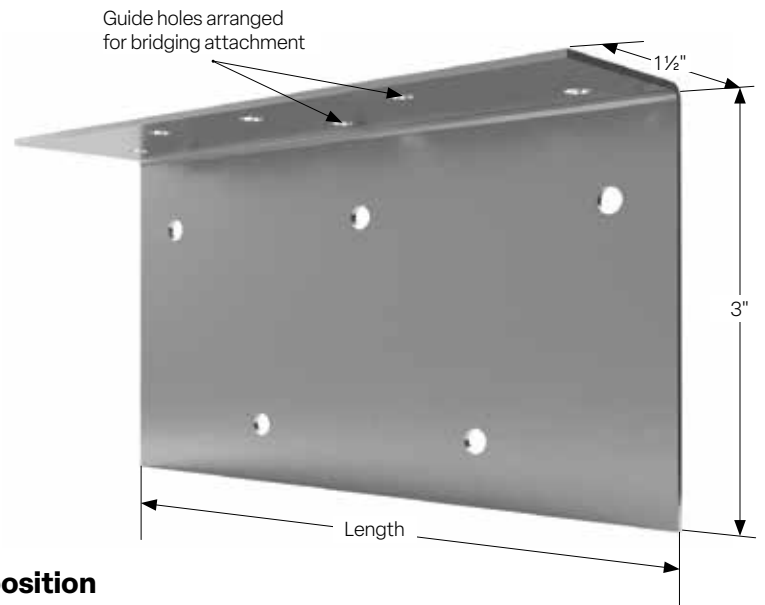
- Variety of lengths available
- Loads based on #10 screws
- Pre-punched guide holes
- No labor used cutting scrap or angle

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/G90 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



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

- Allowable loads have not been increased for wind, seismic activity, or other factors.
- The allowable loads are based on the steel properties of the members being connected, per AISI S100.
- The nominal strength of the screw must be at least 3.75 times the allowable load.
- Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
- 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.
- 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.

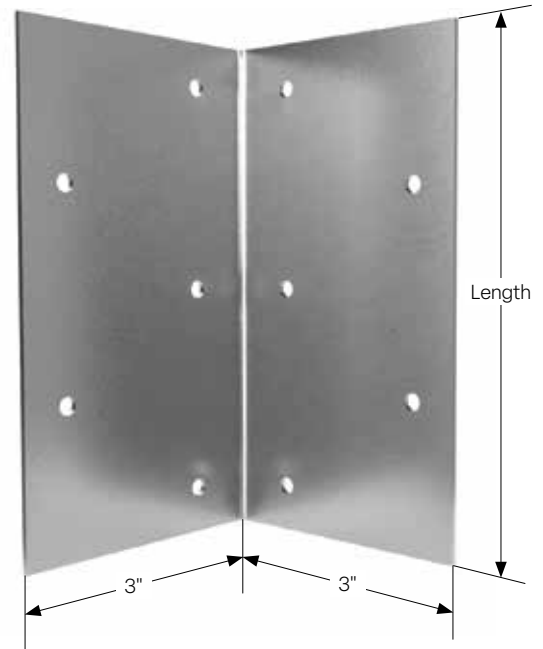
Features and Benefits

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

Material Composition

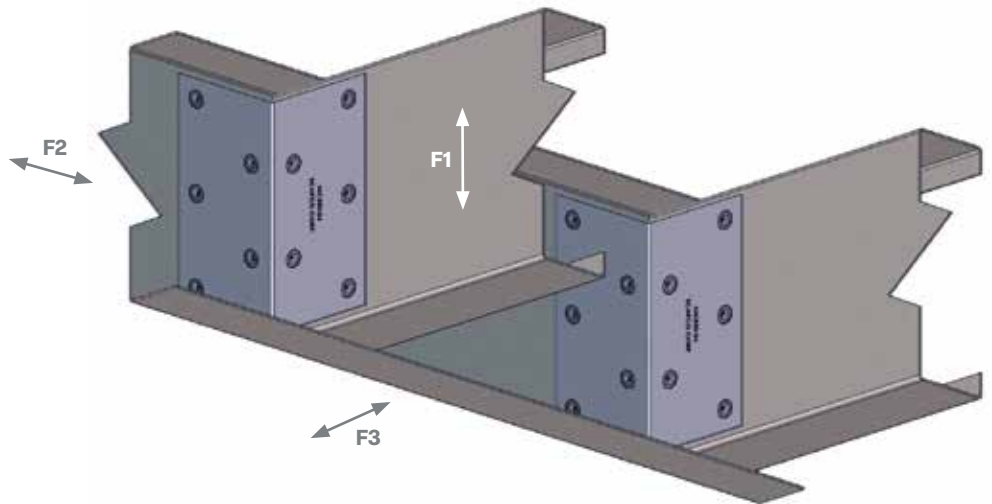
- Mill certified steel
- ASTM A653/A653M
- 54 mil
 - 57 ksi yield strength
 - 65 ksi tensile strength
 - G60/G90 galvanized coating

- 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



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

- Allowable loads have not been increased for wind, seismic activity, or other factors.
- The allowable loads are based on the steel properties of the members being connected, per AISI S100.
- The nominal strength of the screw must be at least 3.75 times the allowable load.
- Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
- 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.
- 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

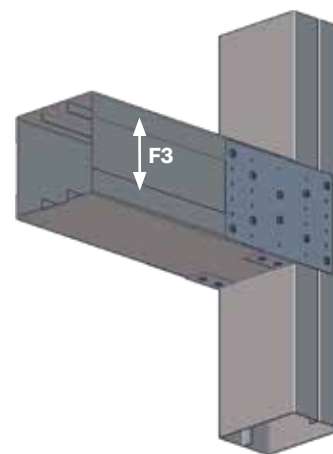
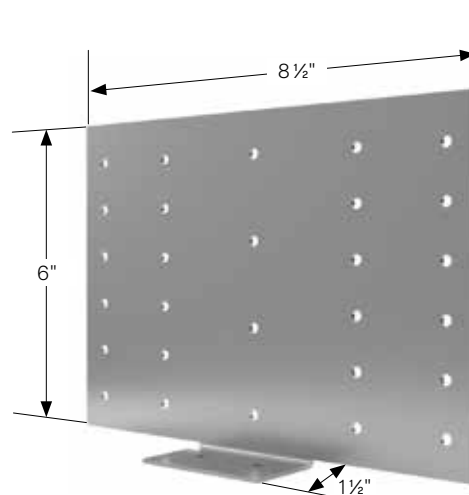
Part No.	Stud Properties			F3 Allowable Loads (lbs)				
	Mil	Gauge	Fy (ksi)	4 #10 Screws	6 #10 Screws	8 #10 Screws	10 #10 Screws	12 #10 Screws
HG-43 (43 mil)	33EQS	20	57	804	1206	1608	2010	2412
	33	20	33	707	1060	1414	1767	2120
	43EQS	18	57	1269	1904	2538	2980	2980
	43	18	33	1052	1578	2104	2630	2980
	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

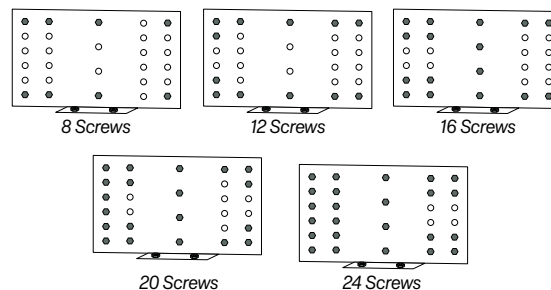
Table Notes

- Allowable loads have not been increased for wind, seismic activity, or other factors.
- Allowable loads are based on the steel properties of the members being connected, per AISI S100.
- The nominal strength of the screw must be at least 3.75 times the allowable load.
- 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.
- Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
- 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.
- The designer shall check the bending in the short leg of the clip.
- Use the lowest values when connecting materials of different thicknesses.



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.



PHC

Panel Hoist Clip

Product Application

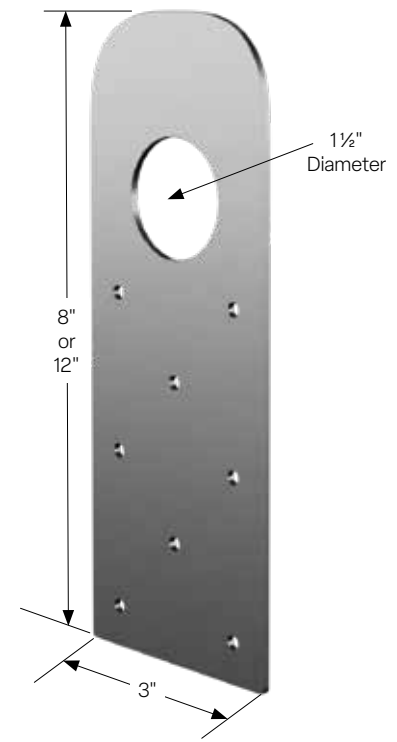
The PHC panel hoist clip attaches to manufactured wall or floor panels to provide lifting points for installation on the jobsite. The hoist clip has a 1-1/2" diameter hole for attaching cables for lifting, along with prepunched holes for screw attachments to the panel.

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

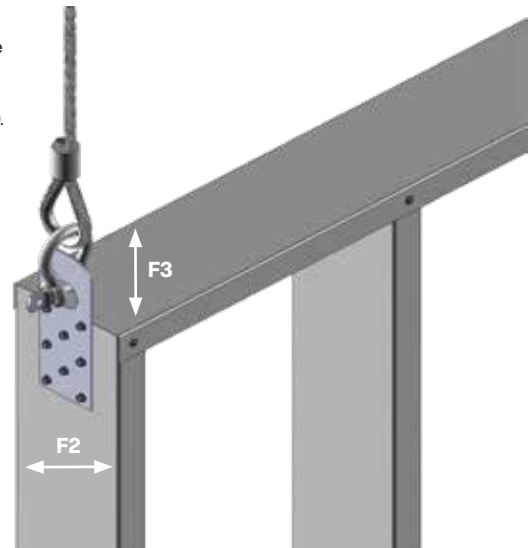
Part No.	Left / Right Handed	Qty / Bucket	Lbs / Bucket
PHC8-97	8"	60	40
PHC12-97	12"	40	40

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.



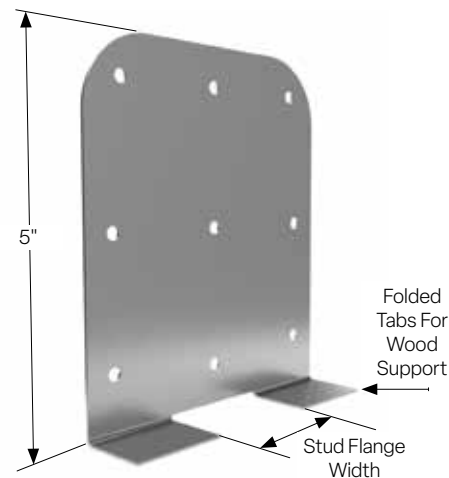
KB

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

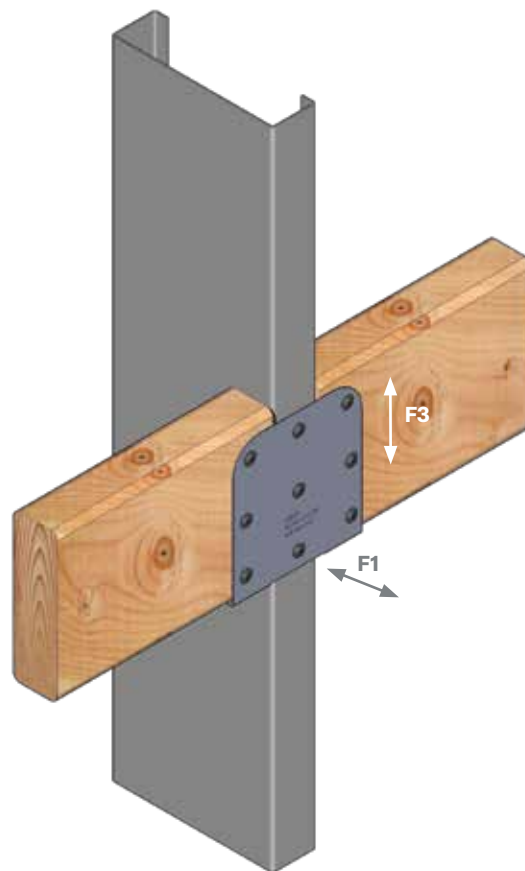
Part No.	Stud Flange Width	Qty / Bucket	Lbs / Bucket
KB162	1 1/4" to 1 1/2"	200	50
KB200	2"	200	54

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

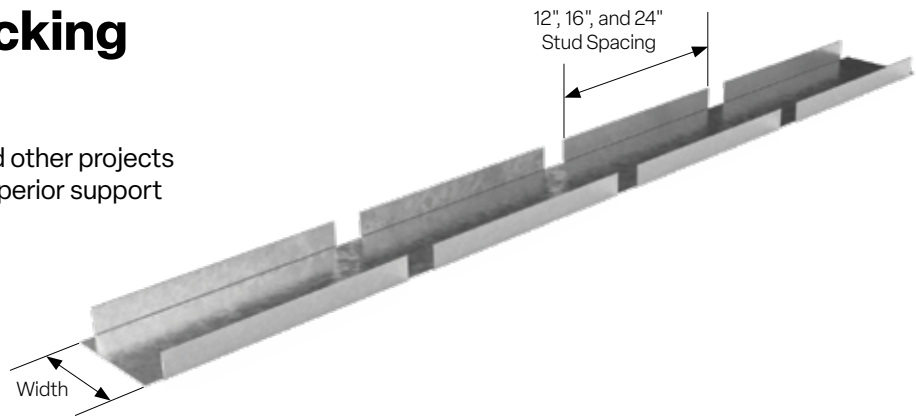
1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable load.
4. Screw shear capacities 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.



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

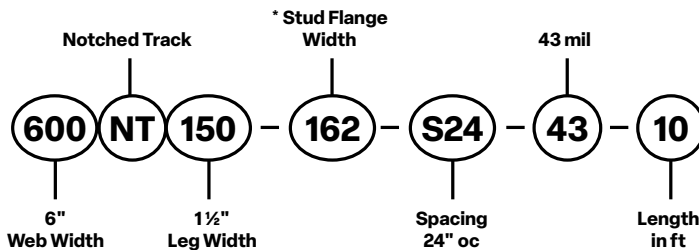
- Available in widths of 4", 6", and 8"
- Available in 12", 16", and 24" stud spacing
- Pre-cut notches for flange attachment
- Eliminates field cutting
- 1-1/4" and 1-1/2" standard leg sizes

Material Composition

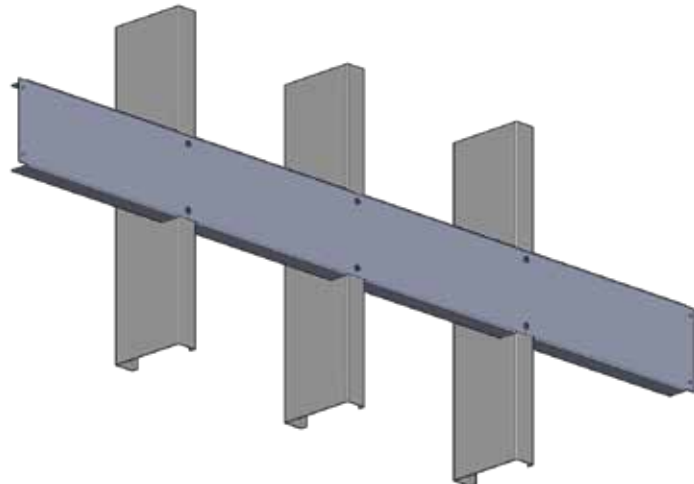
- Mill certified steel
- ASTM: A653/A653M
- 33 mil
 - 33 ksi yield strength
 - 45 ksi tensile strength
 - G60 / G90 galvanized coating
- 43 mil
 - 33 ksi yield strength
 - 45 ksi tensile strength
 - G60 / G90 galvanized coating
- 54 mil
 - 57 ksi yield strength
 - 65 ksi tensile strength
 - G60 / G90 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 1/8" larger than the stud flange width

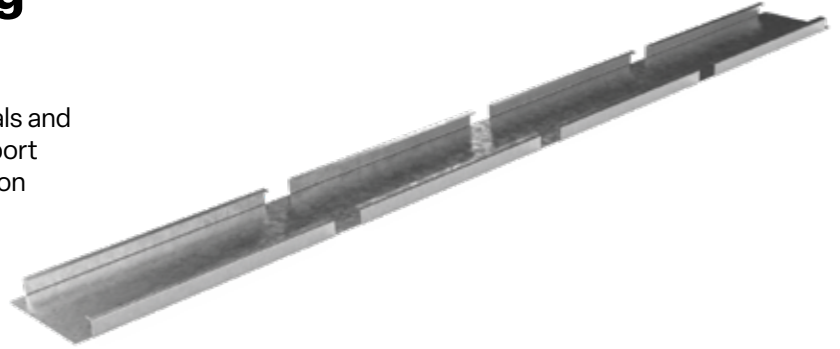


NS

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

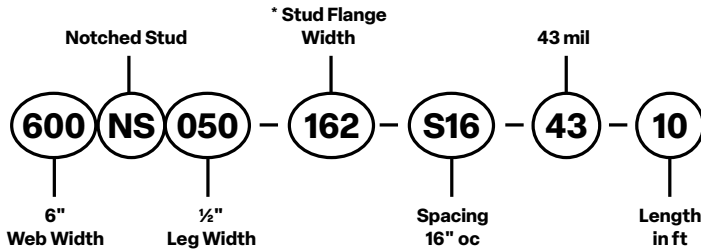
- Available in widths of 4", 6", and 8"
- Available in 12", 16", and 24" stud spacing
- Excellent for heavy load conditions
- Pre-cut notches for flange attachment
- Custom notching available upon request
- Pre-punched guide holes
- Eliminates field cutting
- Provides bracing and bridging support

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

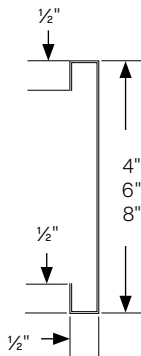
Nomenclature Example

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

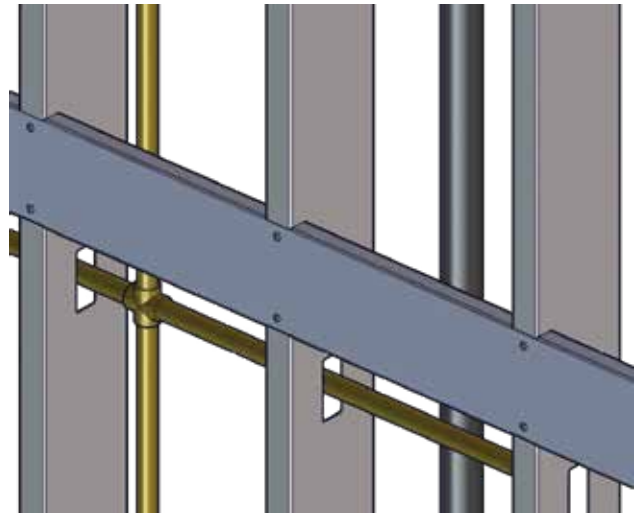
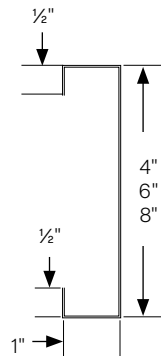


* Notch opening will be 1/8" larger than the stud flange width

Notched Stud Backing
With 1/2" Flange



Notched Stud Backing
With 1" Flange



NS

Notched Stud Backing

Part No.	Depth (in)	Flange (in)	* Vertical Stud Flange	Properties			
				lxe (min) (in4)	Sxe (min) (in3)	lye (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

- Web height to thickness ratio exceeds 200. Web stiffeners are required at all support points and for concentrated loads.
- 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.
- 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.
- 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".
- Tabulated values do not consider stud capacity. Studs designed by others.
- 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.

Pre-Punched
Guide Holes

Stud Spacing

Width

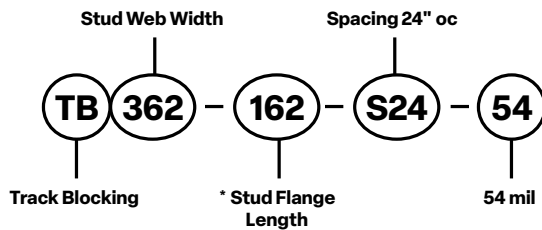
Features and Benefits

- 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

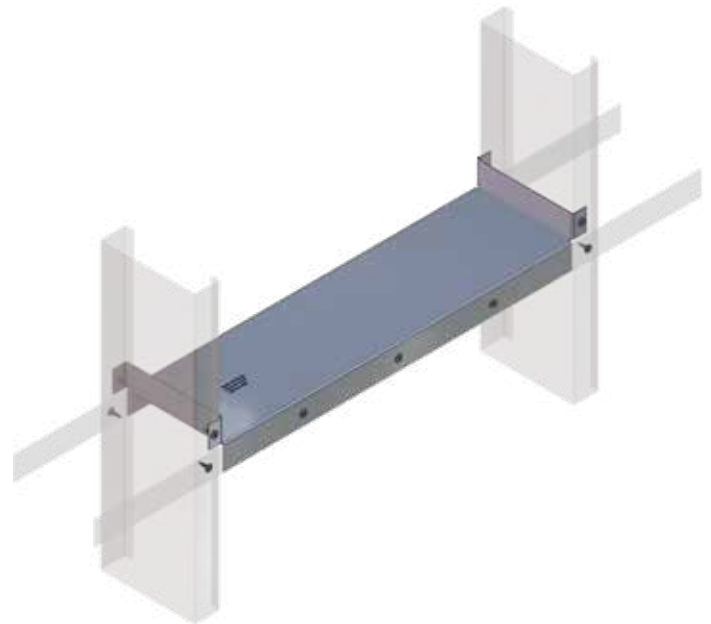
Nomenclature Example



Quantity / Order Information

Part No.	Stud Dimensions		
	Width	* Flange	Spacing
TB250-*S12-54	2 1/2"	125/162/200	12"
TB250-*S16-54	2 1/2"	125/162/200	16"
TB250-*S24-54	2 1/2"	125/162/200	24"
TB350-*S12-54	3 1/2"	125/162/200	12"
TB350-*S16-54	3 1/2"	125/162/200	16"
TB350-*S24-54	3 1/2"	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"



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.

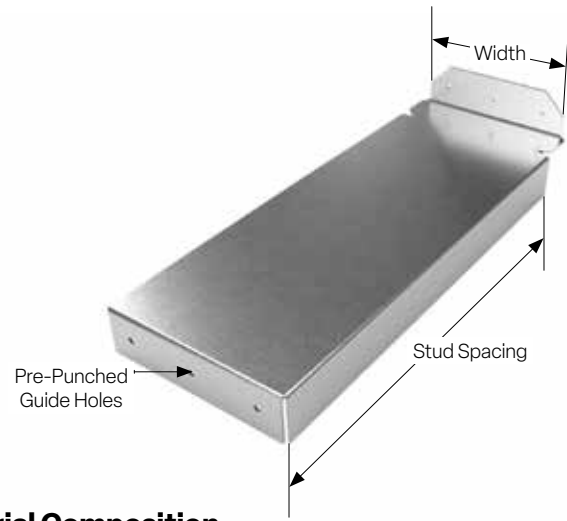
FTB is also a great option for shear wall blocking and prevention of issues with in-plane load transfer. FTB provides full bearing between the wall stud webs along the shear wall.

Features and Benefits

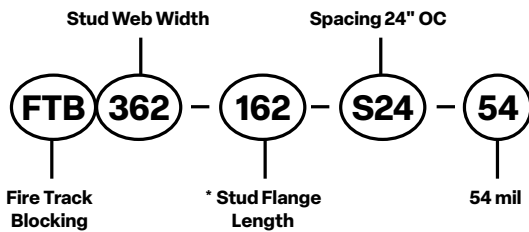
- Available in 12", 16", and 24" stud spacing
- Custom lengths available upon request
- Pre-punched guide holes
- One-piece assembly
- Fills the whole stud cavity
- 1-1/2" standard leg size

Material Composition

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



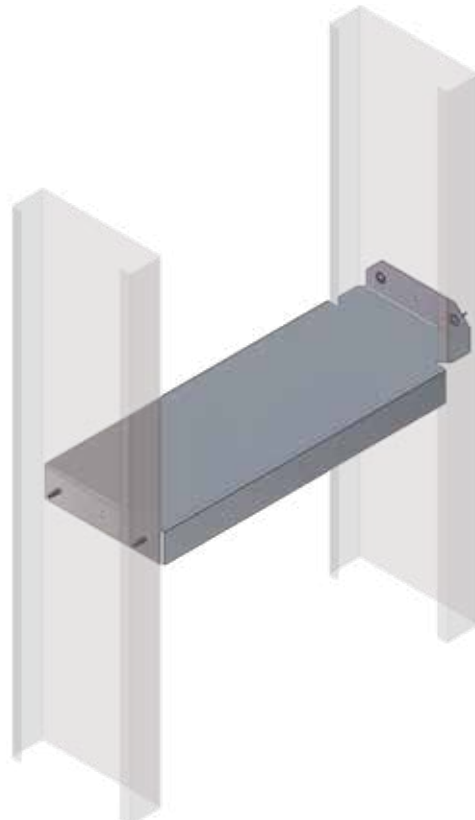
Nomenclature Example



Quantity / Order Information

Part No.	Stud Dimensions		
	Width	* Flange	Spacing
FTB250-*S12-54	2 1/2"	125/162/200	12"
FTB250-*S16-54	2 1/2"	125/162/200	16"
FTB250-*S24-54	2 1/2"	125/162/200	24"
FTB350-*S12-54	3 1/2"	125/162/200	12"
FTB350-*S16-54	3 1/2"	125/162/200	16"
FTB350-*S24-54	3 1/2"	125/162/200	24"
FTB362-*S12-54	3 5/8"	125/162/200	12"
FTB362-*S16-54	3 5/8"	125/162/200	16"
FTB362-*S24-54	3 5/8"	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"

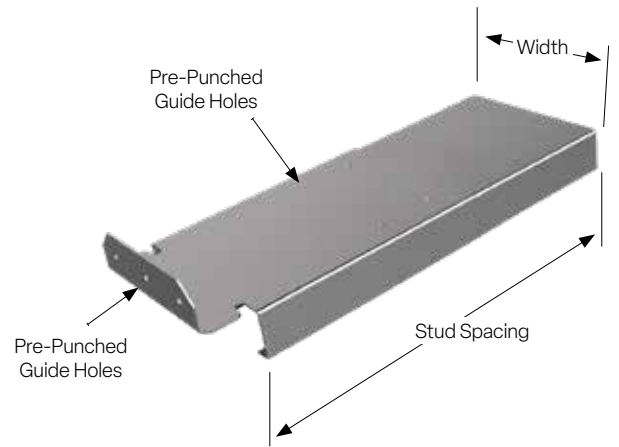


AB Adjustable Blocking

Product Application

AB Adjustable blocking provides bracing for wall studs and floor/ceiling joists. Adjustable Blocking has been designed to work with a range of stud or joist spacings, to allow for ease of use as layouts change in the framing assembly.

Adjustable Blocking also comes in 3 styles, to accommodate the different orientation of the studs inside the wall. Whether the studs are facing back-to-back, cavity-to cavity, or in a typical cavity to back of web orientation, the Adjustable Blocking has them covered.



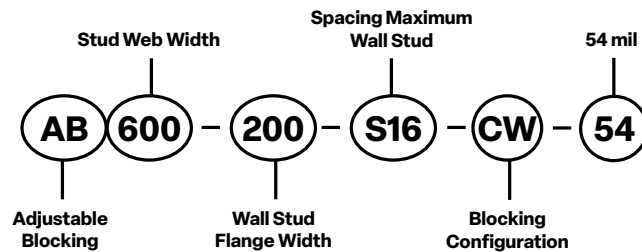
Features and Benefits

- Adjusts to varying stud spacing in the field
- Pre-punched guide holes provided
- 3 options for any set of stud orientations
- Slide to adjust, and then secure with screws
- 1-1/2" standard leg size for the blocking

Material Composition

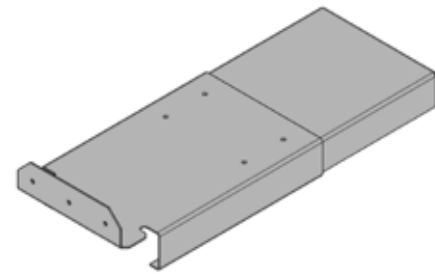
- Mill certified steel
- ASTM A653/A653M
- 54 mil
 - 57 ksi yield strength
 - 65 ksi tensile strength
 - G60 / G90 galvanized coating
- Additional thickness upon request

Nomenclature Example

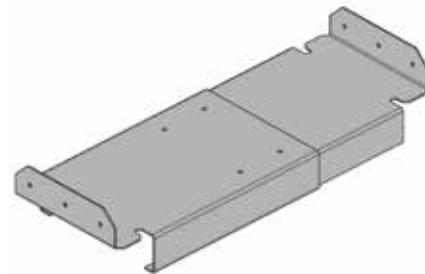


Quantity / Order Information

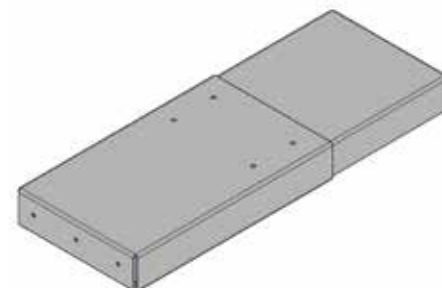
Configuration	Maximum Wall Stud Spacing	Adjustable Range
CW Cavity to Web	S8	8" - 10"
	S12	10" - 12"
	S16	12" - 16"
	S24	16" - 24"
CC Cavity to Cavity	S8	8" - 10"
	S12	9" - 12"
	S16	12" - 16"
	S24	16" - 24"
WW Web to Web	S8	7" - 9"
	S12	9" - 12"
	S16	12" - 16"
	S24	16" - 24"



Cavity to Web (CW)



Cavity to Cavity (CC)



Web to Web (WW)

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

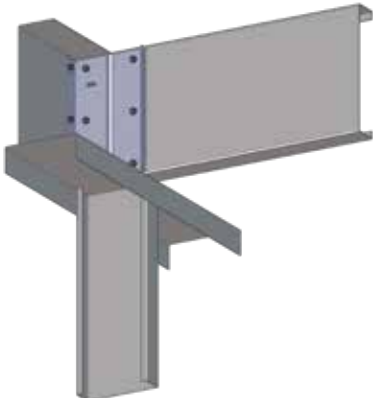
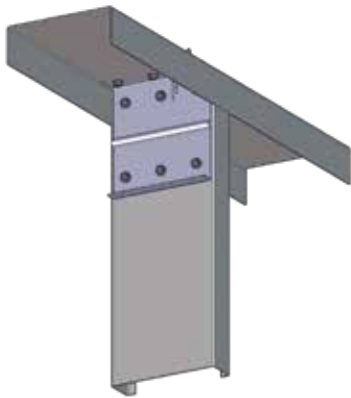
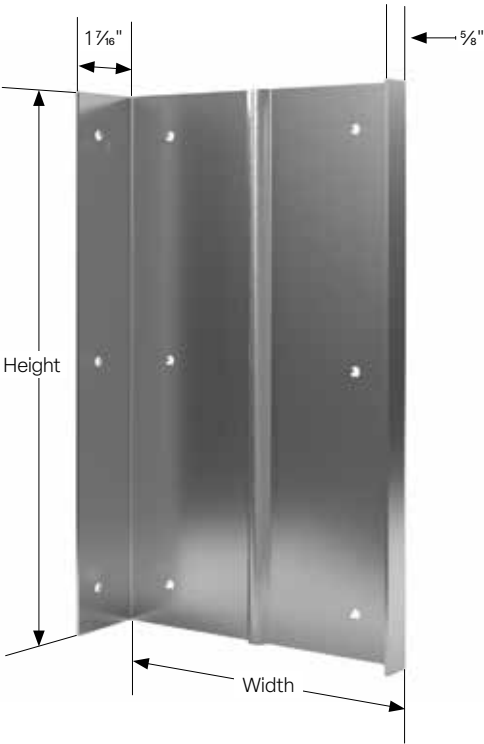
- Pre-punched guide holes
- Variety of lengths available
- Prevents web crippling
- One-piece assembly

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 ½"	5 ⅝"	6"
800WST350	3 ½"	7 ⅞"	8"
1000WST350	3 ½"	9 ⅞"	10"
1200WST350	3 ½"	11 ⅞"	12"
1400WST350	3 ½"	13 ⅞"	14"
600WST600	6"	5 ⅝"	6"
800WST600	6"	7 ⅞"	8"
1000WST600	6"	9 ⅞"	10"
1200WST600	6"	11 ⅞"	12"
1400WST600	6"	13 ⅞"	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

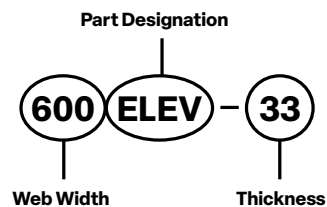
Quantity / Order Information

Part No.	Stud Dimensions	
	Width	Flange
350ELEV-33	3 1/2"	125
362ELEV-33	3 5/8"	125
400ELEV-33	4"	125
550ELEV-33	5 1/2"	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 1/4" legs. Longer legs available upon request.

Nomenclature Example



Web Screws



Flange Screws



Web Screw Configuration Depicted

SLIDER STUD

Insertable Studs for Wall Height Extension and Splicing

Product Application

Slider Studs are made to be used with standard stud members, as a labor saving solution for projects where the stud length is limited due to jobsite constraints. When a longer stud is needed, but it cannot fit into the building's elevator or stairway, the slider studs are the solution. Slider studs can be used to nearly double the stud length that can be easily stocked on the job.

Features and Benefits

- Available in widths of 2.5" to 6"
- No cutting or trimming needed as the slider stud can overlap the standard stud
- Reduced Labor compared to traditional stud splice assemblies.
- Supporting calculations available upon request, Technical@SCAFCO.com

Material Composition

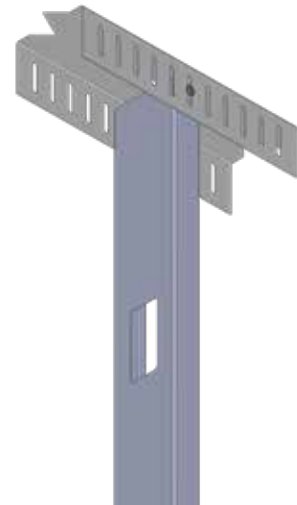
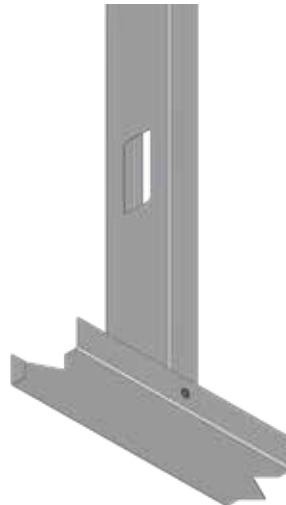
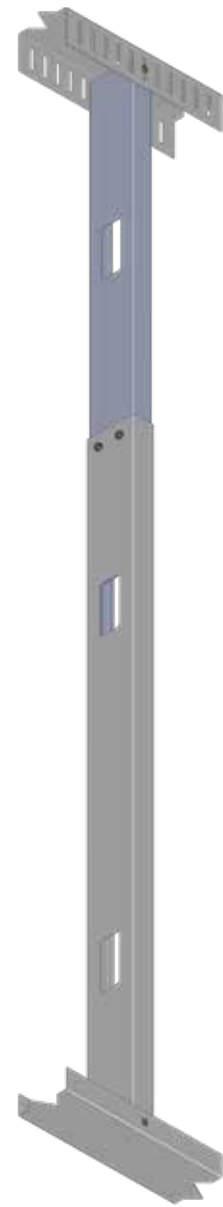
- Mill certified steel
- ASTM: A653/A653M
- 30EQD
 - 57 ksi yield strength
 - 65 ksi tensile strength
 - G40/G60 galvanized coating
- 33 mil
 - 33 ksi yield strength
 - 45 ksi tensile strength
 - G60/G90 galvanized coating

Quantity / Order Information

Part No.	Standard Stud for Slider Stud to be Paired With	Recommended Minimum Overlap
231SFS125-30EQD	250SFS144-30EQD	24"
343SFS125-30EQD	362SFS144-30EQD	24"
381SFS125-30EQD	400SFS144-30EQD	24"
581SFS125-30EQD	600SFS144-30EQD	24"
231S143-33	250S162-33	24"
343S143-33	362S162-33	24"
381S143-33	400S162-33	24"
581S143-33	600S162-33	24"

Table Notes

1. To check on acceptance of overlaps less than 24", please contact Technical@SCAFCO.com.
2. Supporting calculations for Slider Studs available upon request at Technical@SCAFCO.com.



K

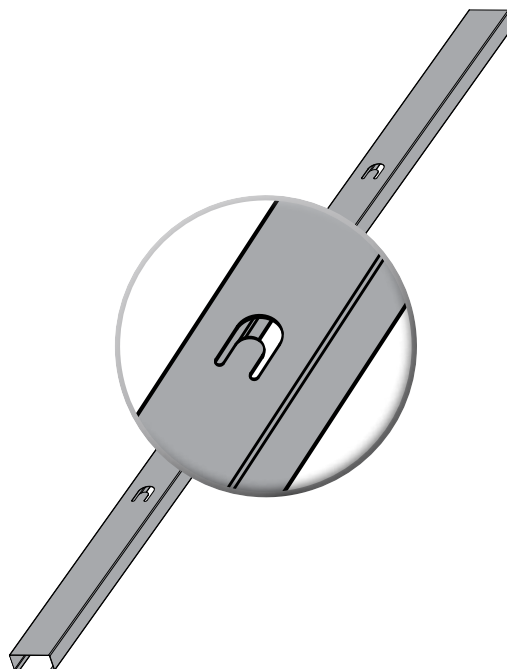
Kwik-Bridge Punch System

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

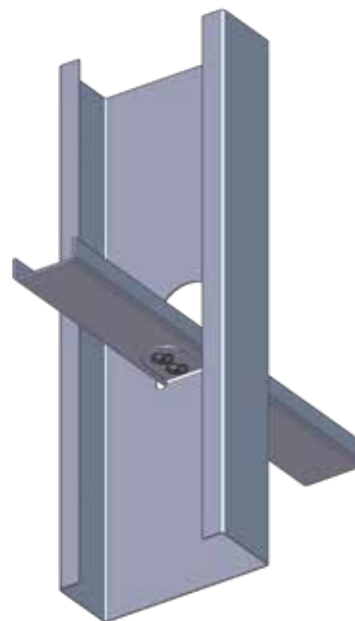
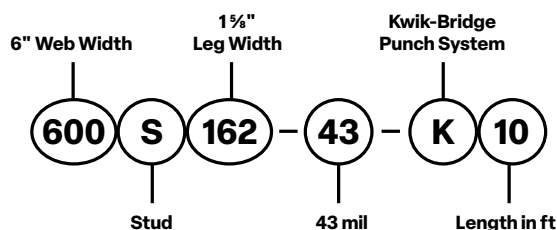
- Eliminates use of clip angles, bridging clips, and welding
- No pre-determined stud layout required
- Faster installation, saving up to 40% in combined labor and material costs
- Bend tabs to 90° and attach cold roll channel with only 2 screws
- Contact Technical@SCAFCO.com for allowable loads

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 1/2", 3 5/8", 4", 5 1/2", and 6"
 - Not available in 1 5/8" or 2 1/2" 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.

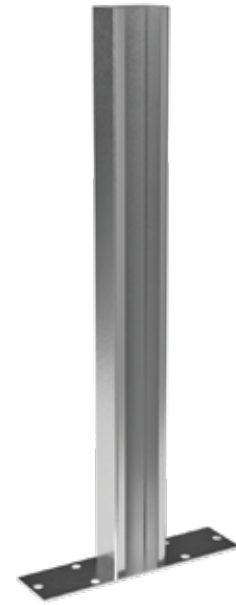
Features and Benefits

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

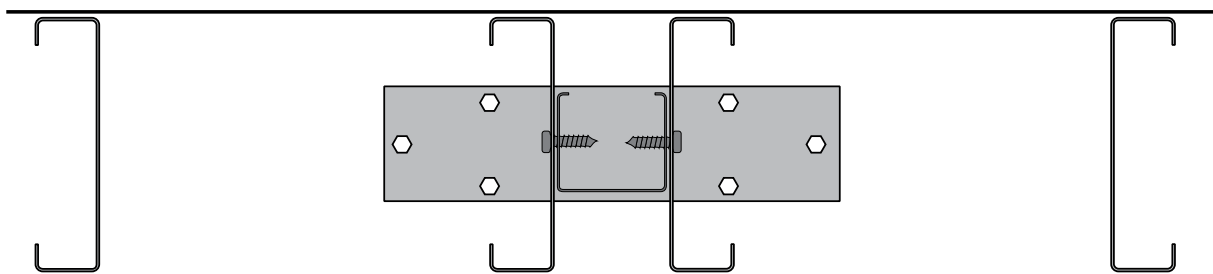
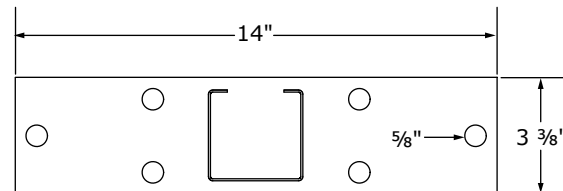
Contact technical@SCAFCO.com for allowable loads

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.

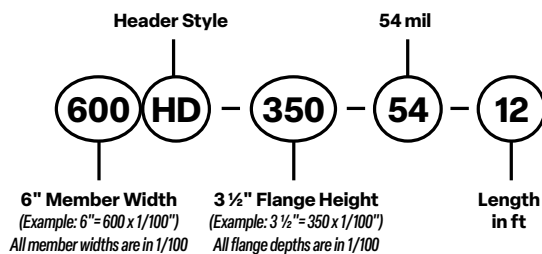
To simplify engineering, the Priceless Header and Kwik-Jamb system has several standard details available that can be easily imported into most CAD programs. With individual section property tables included, this unique header and jamb system creates simplicity for the architect, engineer, and contractor.

Features and Benefits

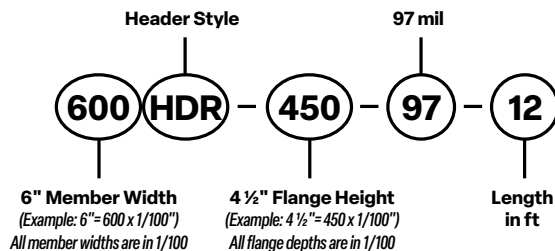
- Simplifies engineer design for jambs and header sizing
- Design software available for engineers and architects
- Attachment clip provides easy connections to Kwik-Jamb
- Flush finish eliminating build up at the header-jamb connection
- Saves 70 to 80 percent on labor costs
- Pre-cut engineered assembly 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

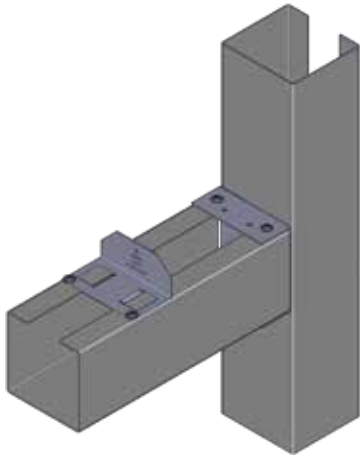
Priceless Headers are to be ordered to rough opening width. SCAFCO's engineering department will adjust the member length to accommodate for clip thickness and screw build-up to provide a true fit.



Priceless Header & Kwik Jamb System

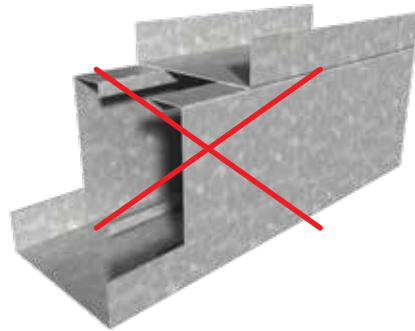
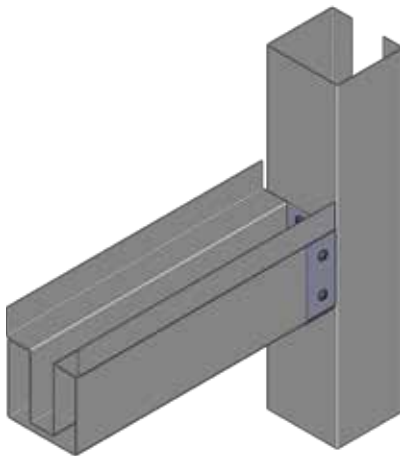
HD Header

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



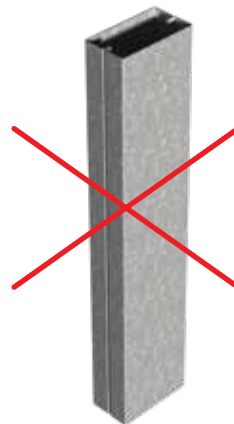
HDR Header

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



Kwik-Jamb Stud

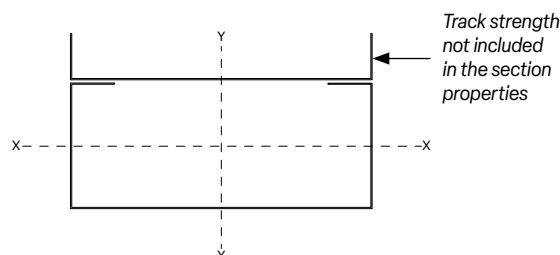
SCAFCO's Kwik-Jamb stud replaces the back-to-back studs and boxed stud assemblies.



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



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.

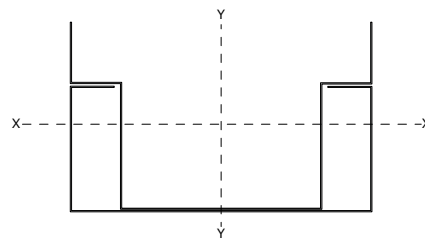
Table Notes:

- Effective properties based on the "North American Specification for the Design of Cold-Formed Structural Members," (NASPEC).
- Effective Ixx, Iyy is the Moment of Inertia for deflection based on NASPEC 'Procedure 1'.
- Allowable Moment (Max and May) of combined section are based on a non-composite relative stiffness model.
- Distortional buckling is based on Kf = 0.
- Max-x is for bending about the x-x axis. May-y is for bending about the y-y axis.
- 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)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (+) (in ⁴)	S _x (+) (in ³)	Max (+) (in-k)	I _x (-) (in ⁴)	S _x (-) (in ³)	Max (-) (in-k)	I _y (in ⁴)	S _y (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.

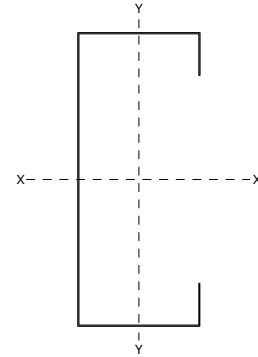
Table Notes:

1. Effective properties based on the "North American Specification for the Design of Cold-Formed Structural Members," (NASPEC).
2. Effective I_{xx}, I_{yy} 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 K_f = 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.

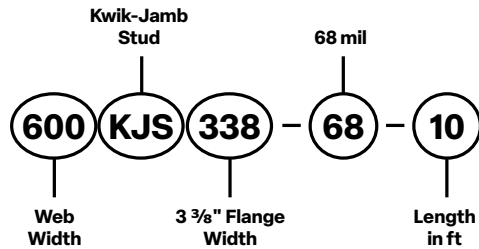
Priceless Kwik-Jamb Studs

Material Composition

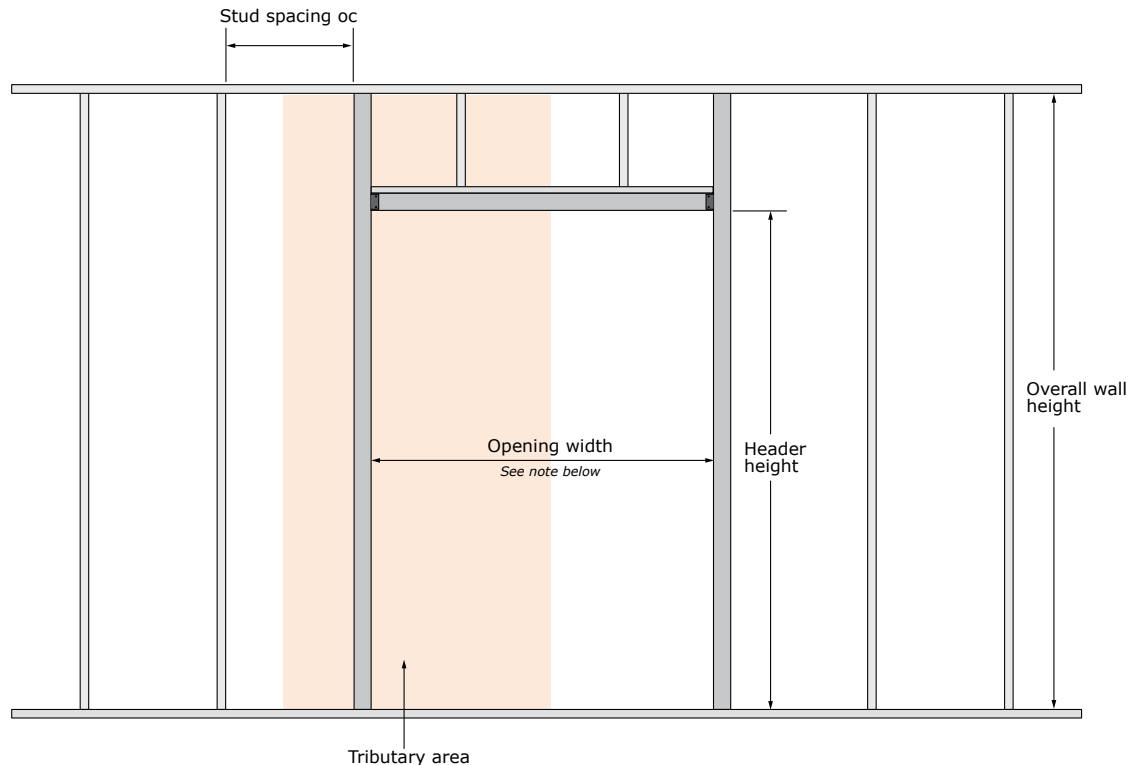
- Mill certified steel
- ASTM A653/A653M
- Mill certified steel
- ASTM A653/A653M
- 43EQS
 - 57 ksi yield strength
 - 65 ksi tensile strength
 - G60 galvanized coating
- 54 mil
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- 97 mil
 - 57 ksi yield strength
 - 65 ksi tensile strength
 - G60 / G90 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						β	Lu (in)
			Area (in²)	wt (lb/ft)	Ixx (in⁴)	Sxx (in³)	Rx (in)	Iyy (in⁴)	Ry (in)	Ixx (in⁴)	Sxx (in³)	MaFy (in-k)	Ma-Dist (in-k)	KΦC (in-lb/in)	Vag (lb)	VaNet (lb)	Jx1000 (in⁴)	Cw (in⁶)	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			
1200KJS338-54¹	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																										

¹Where 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

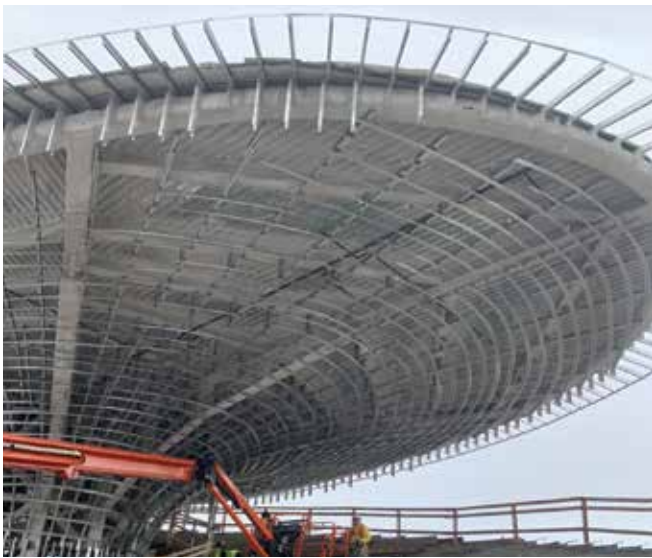
- High-quality and time-saving
- Guaranteed accuracy through CAD software, designed and manufactured directly from project plans
- Assembled with steel rivets or welding, reducing built-in stresses
- Eliminates field modified standard framing members; no more flat spots or weak sections from field cutting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

- | | |
|---|--|
| <ul style="list-style-type: none"> • Mill certified steel • ASTM A653/A653M • 30 mil <ul style="list-style-type: none"> ◦ 33 ksi yield strength ◦ 45 ksi tensile strength ◦ G40 galvanized coating ◦ Steel rivet assembly only • 33 mil <ul style="list-style-type: none"> ◦ 33 ksi yield strength ◦ 45 ksi tensile strength ◦ G60 / G90 galvanized coating ◦ Steel rivet assembly only • 43 mil <ul style="list-style-type: none"> ◦ 33 ksi yield strength ◦ 45 ksi tensile strength ◦ G60 / G90 galvanized coating ◦ Steel rivet or welded assembly | <ul style="list-style-type: none"> • 54 mil <ul style="list-style-type: none"> ◦ 57 ksi yield strength ◦ 65 ksi tensile strength ◦ G60 / G90 galvanized coating ◦ Steel rivet or welded assembly • 68 mil <ul style="list-style-type: none"> ◦ 57 ksi yield strength ◦ 65 ksi tensile strength ◦ G60 / G90 galvanized coating ◦ Steel rivet or welded assembly • 97 mil <ul style="list-style-type: none"> ◦ 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

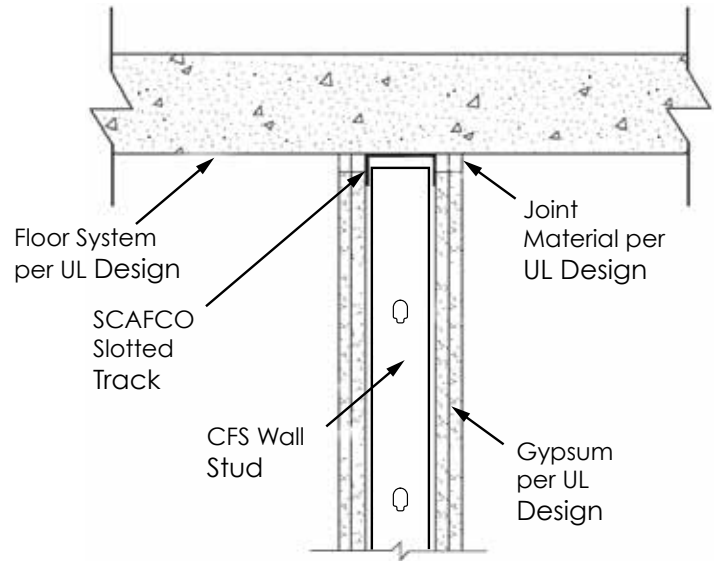
Designed for constructing arched openings, vaulted ceilings, and one-piece soffit faces in ceilings and extruded illuminated ceiling panes. Shown as Arched Track Leg-Out.



Slotted Track

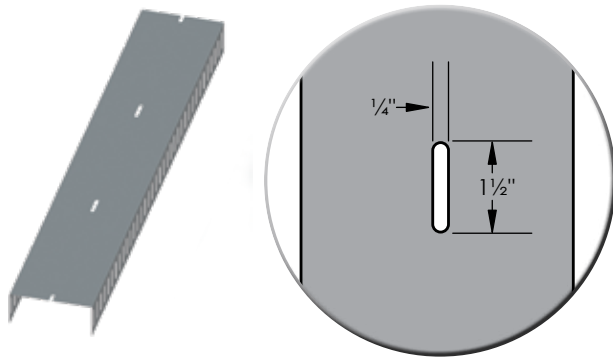
Track to Structure Connection

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.

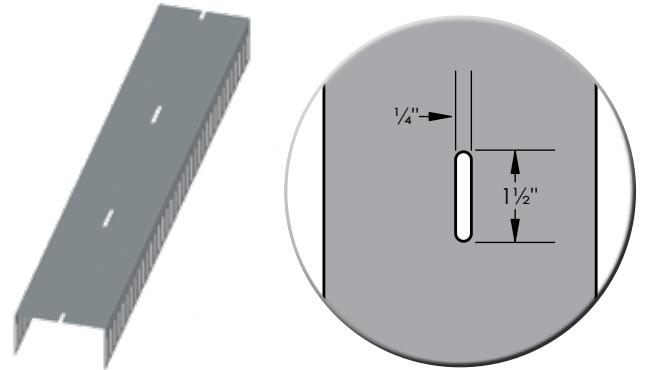


Standard Web Slot Per Track Type

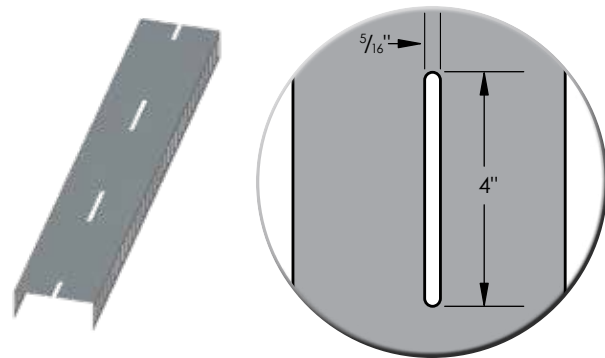
Slotted Leg Track (SLT)



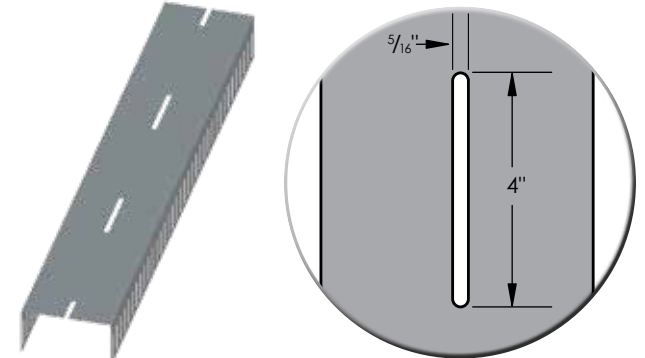
Slotted Deep Leg Track (SDLT)



*Seismic Drift Track (D)



*Seismic Deep Leg Drift Track (DD)

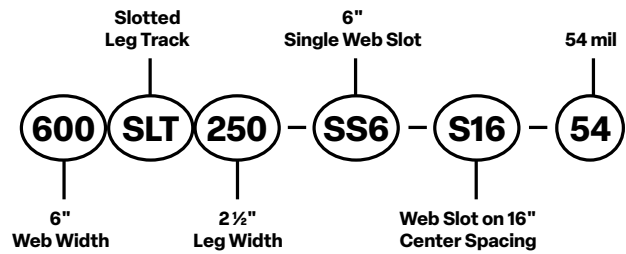


* Drift slot meant for use with DI-68 washers, which are sold separately.

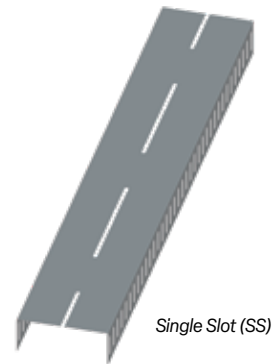
Slotted Track

Nomenclature Example

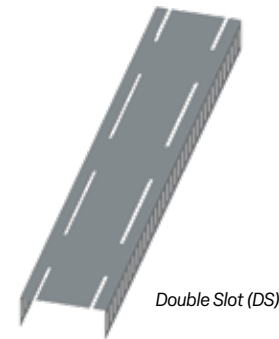
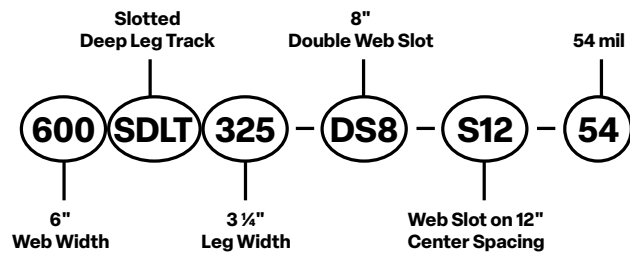
Single Slot (SS)



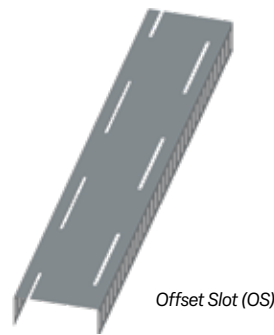
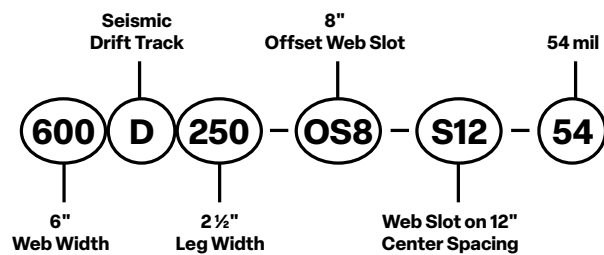
Custom Web Slot Configurations



Double Slot (DS)

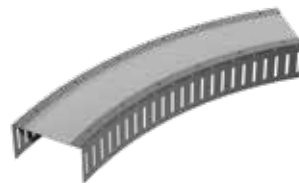
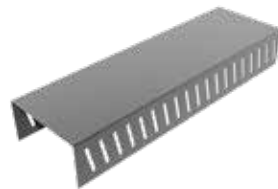
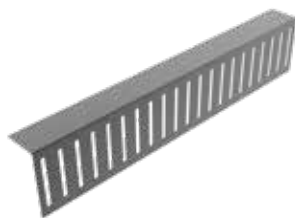


Offset Slot (OS)



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

Standard Web Slot Per Track Type



SLT Slotted Leg Track

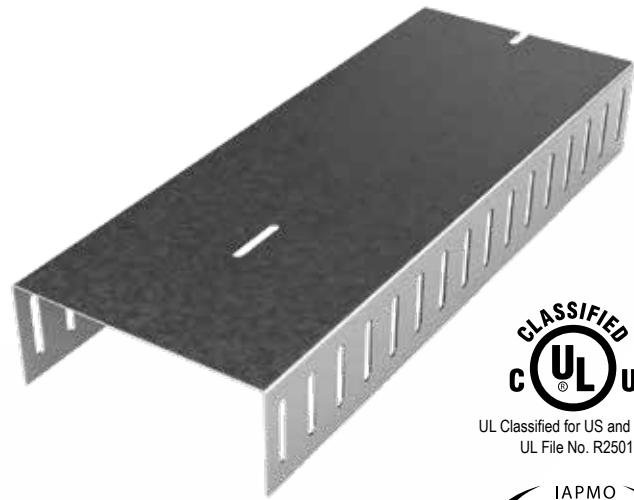
Product Application

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.

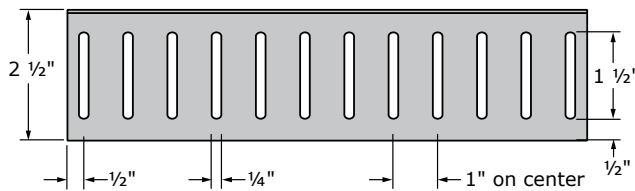
The SLT is designed to allow a total vertical movement of $1\frac{1}{2}$ " ($\pm \frac{3}{4}$ ").

Dimension

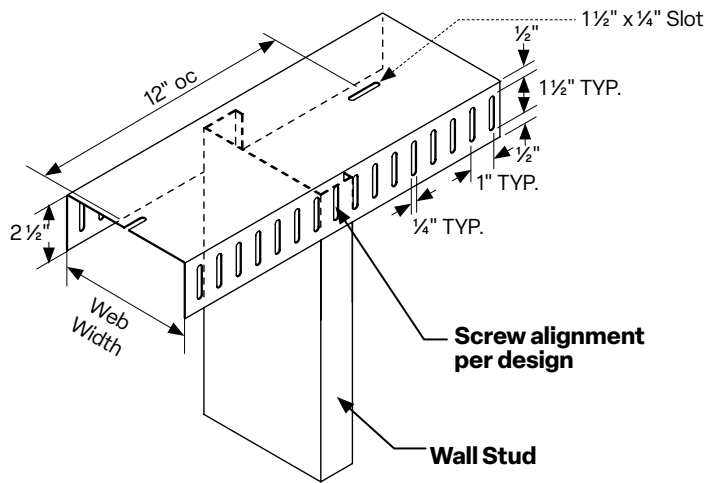
The section legs (flanges) are $2\frac{1}{2}$ " in length and have $1\frac{1}{2}$ " long by $\frac{1}{4}$ " wide vertical slots spaced every 1" along the length of the member.



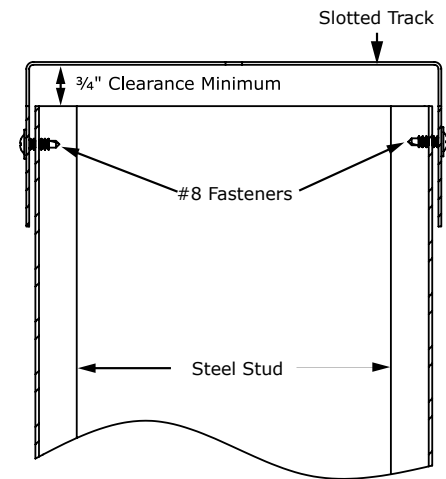
UL Classified for US and Canada
UL File No. R25017



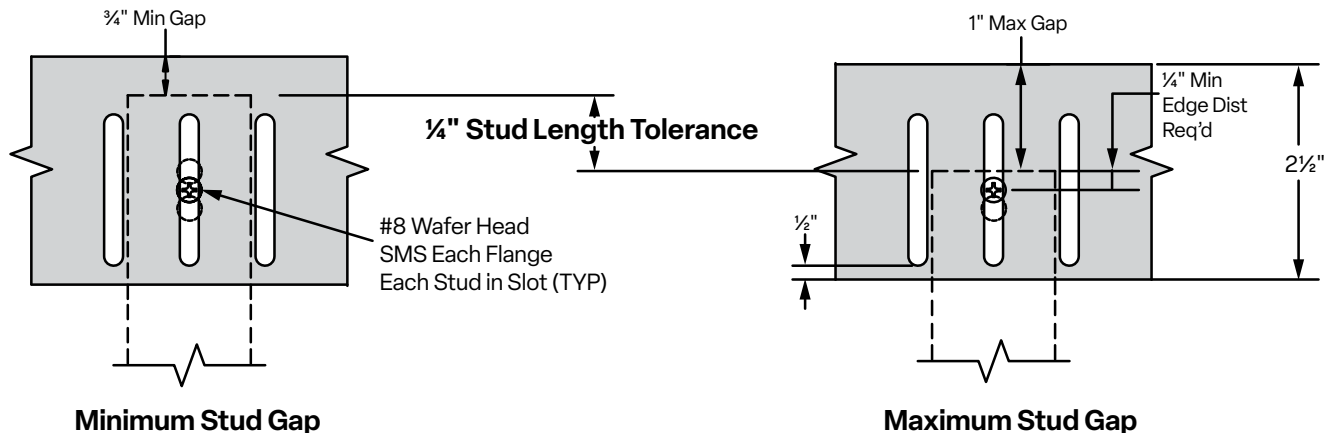
Standard Slotted Leg Track Detail (SLT)



Section View



Specifications



SLT Slotted Leg Track

Standard Slotted Leg Track Section Properties

Part No.	F _y (ksi)	Design Thickness (in)	Gross Properties						Effective Properties		Allowable Lateral Load (lbs)
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	S _{xx} (in ³)	L _{xx} (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	1.146	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

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

SDLT Slotted Deep Leg Track

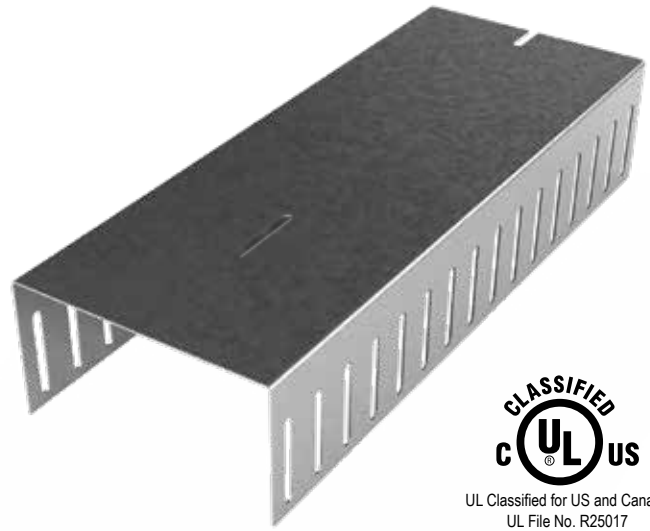
Product Application

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.

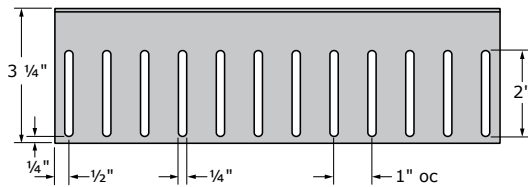
The SDLT is designed to allow a total vertical movement of 2" (+/- 1").

Dimension

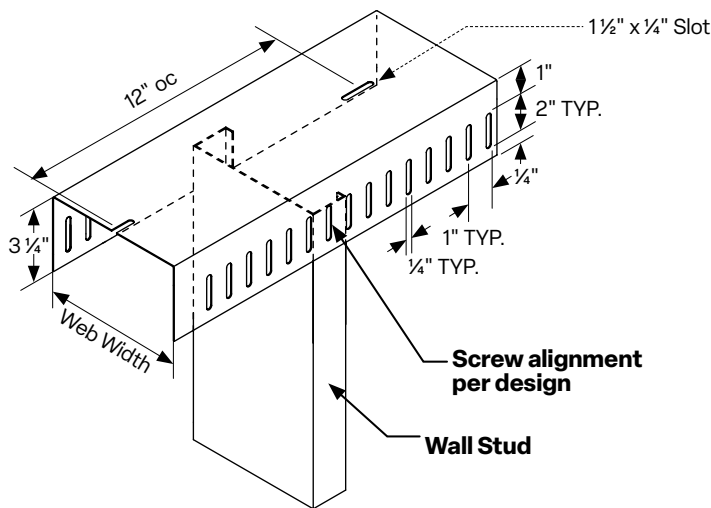
The section legs (flanges) are 3 1/4" in length and have 2" long by 1/4" wide vertical slots spaced every 1" along the length of the member.



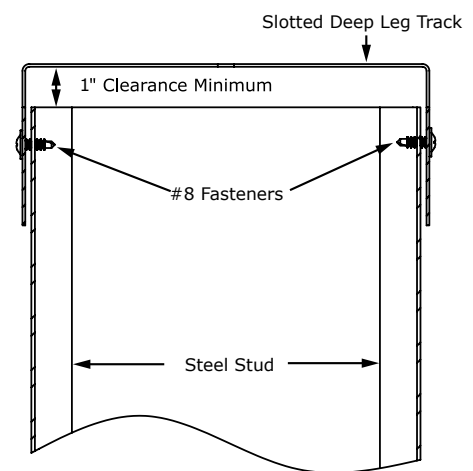
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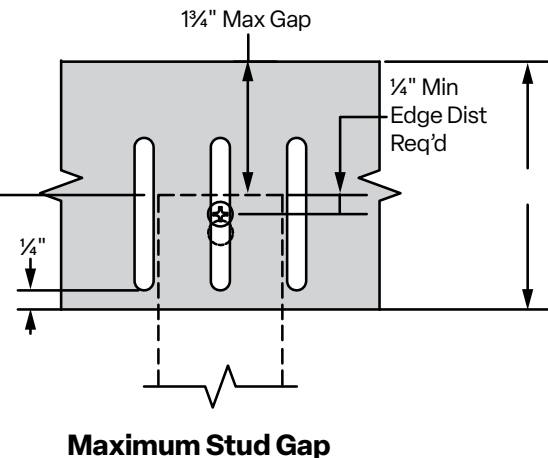
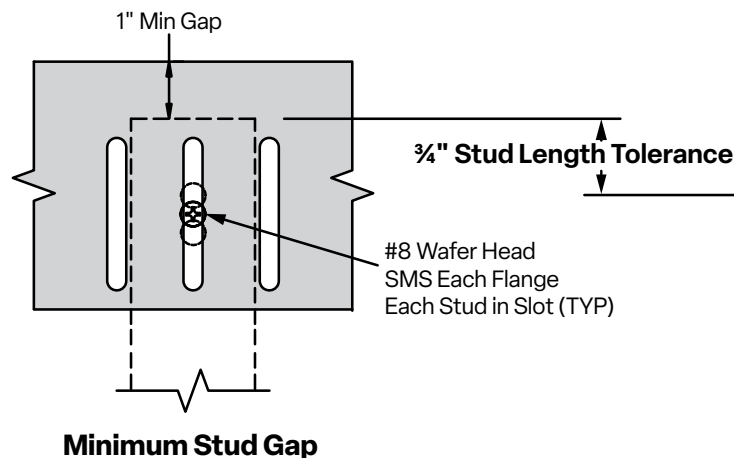
Standard Slotted Deep Leg Track Detail (SDLT)



Section View



Specifications



SDLT Slotted Deep Leg Track

Slotted Deep Leg Track Section Properties

Part No.	F _y (ksi)	Design Thickness (in)	Gross Properties						Effective Properties		Allowable Lateral Load (lbs)
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	S _{xx} (in ³)	L _{xx} (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

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

D

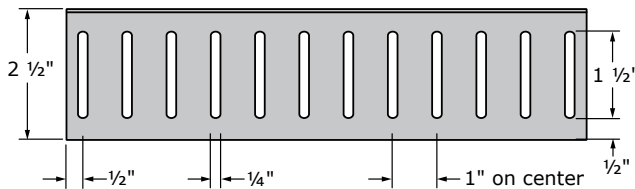
Seismic Drift Track

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

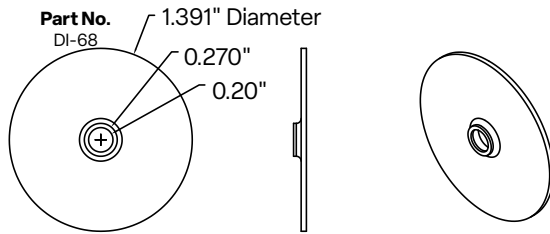
The section legs (flanges) are 2 1/2" in length and have 1 1/2" long by 1/4" wide vertical slots spaced every 1" along the length of the member.



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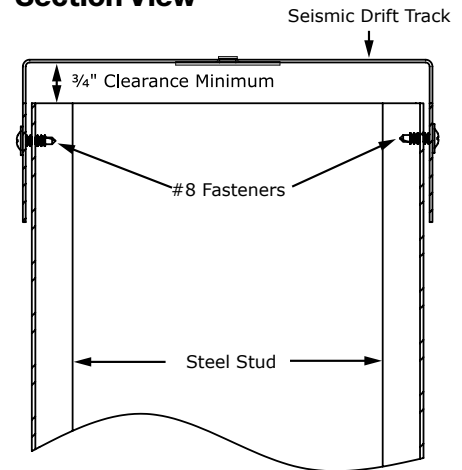


Drift Insert Detail



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

Section View



D Seismic Drift Track

Section Properties

Part No.	F _y (ksi)	Design Thickness (in)	Gross Properties						Effective Properties		Allowable Lateral Load (lbs)
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	S _{xx} (in ³)	L _{xx} (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	1.146	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

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

DD

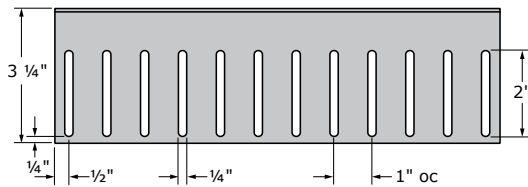
Deep Leg Seismic Drift Track

Product Application

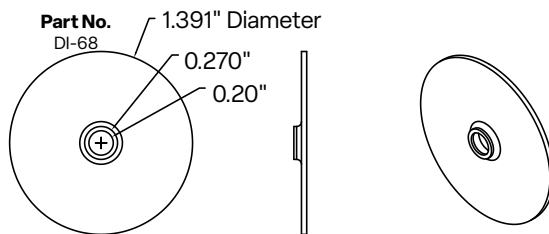
SCAFCO DD allows for lateral movement of the main building structure, while still accommodating head-of-wall deflection and fire ratings for interior and exterior walls. The Deep Leg Seismic Drift Track comes with an extruded metal insert that aids in the connection of the track to the main structure.

Dimension

The section legs (flanges) are $3\frac{1}{4}$ " in length and have 2" long by $\frac{1}{4}$ " wide vertical slots spaced every 1" along the length of the member.



Drift Insert Detail



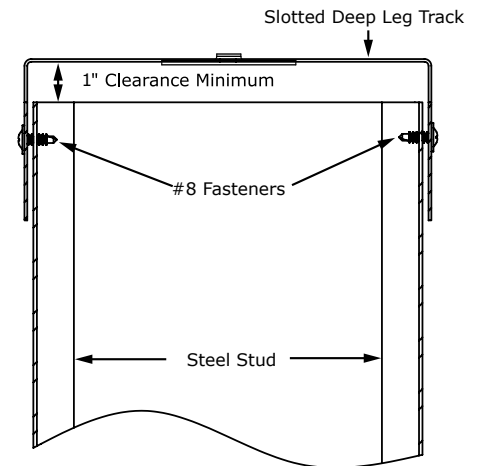
***Sold Separately.**
Spacing determined by design professional.



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Section View



Section Properties

Part No.	F _y (ksi)	Design Thickness (in)	Gross Properties						Effective Properties		Allowable Lateral Load (lbs)
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	S _{xx} (in ³)	L _{xx} (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

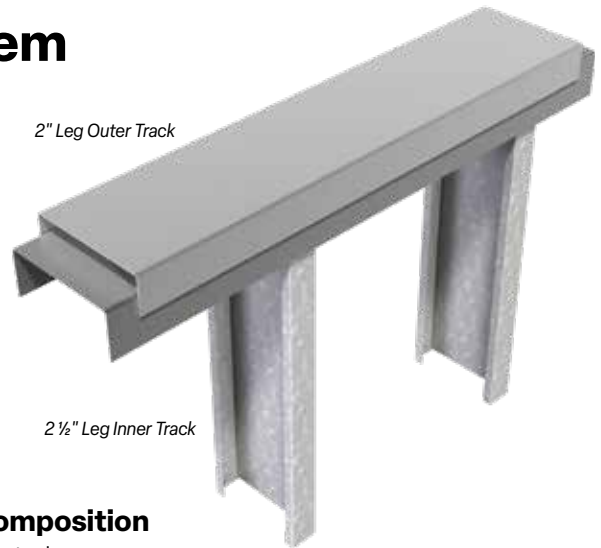
- Gross properties based on the full section, not reduced for flange slots.
- Effective properties based on a compression flange of 3/4" (before local buckling reductions) and a tension flange of 1 1/4".
- For deflection calculations, use effective I_{xx}.
- All properties based on unpunched webs.
- Web depth is equal to the nominal depth plus two times the design thickness, plus the inside bend radius.
- X-X properties are 'strong-axis' properties. Y-Y properties are about the 'weak-axis.'
- Effective properties based on the "North American Specification for the Design of Cold-Formed Steel Structural Members," AISI S100.
- 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.



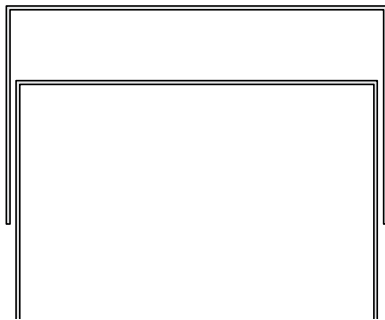
Features and Benefits

- 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

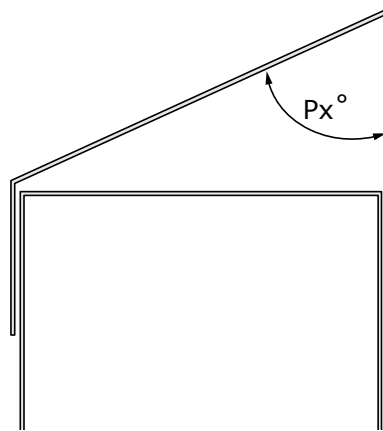
Material Composition

- 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 ½"	1.47
	250T250-43 / 262T200-43	43	18	0.0451"	2 ½"	1.92
	250T250-54 / 262T200-54	54	16	0.0566"	2 ½"	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 ½"	1.70
	350T250-43 / 362T200-43	43	18	0.0451"	3 ½"	2.21
	350T250-54 / 362T200-54	54	16	0.0566"	3 ½"	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 ¾" 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 ¾"	3.58
	362T250-97 / 387T200-97	97	12	0.1017"	3 ¾"	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 ½"	1.81
	400T250-43 / 412T200-43	43	18	0.0451"	4 ½"	2.36
	400T250-54 / 412T200-54	54	16	0.0566"	4 ½"	2.96
	400T250-68 / 425T200-68	68	14	0.0713"	4 ¾"	3.76
	400T250-97 / 425T200-97	97	12	0.1017"	4 ¾"	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 ½"	2.15
	550T250-43 / 562T200-43	43	18	0.0451"	5 ½"	2.80
	550T250-54 / 562T200-54	54	16	0.0566"	5 ½"	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 ½"	2.26
	600T250-43 / 612T200-43	43	18	0.0451"	6 ½"	2.94
	600T250-54 / 612T200-54	54	16	0.0566"	6 ½"	3.69
	600T250-68 / 625T200-68	68	14	0.0713"	6 ¾"	4.68
	600T250-97 / 625T200-97	97	12	0.1017"	6 ¾"	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 ½"	2.71
	800T250-43 / 812T200-43	43	18	0.0451"	8 ½"	3.53
	800T250-54 / 812T200-54	54	16	0.0566"	8 ½"	4.43
	800T250-68 / 825T200-68	68	14	0.0713"	8 ¾"	5.61
	800T250-97 / 825T200-97	97	12	0.1017"	8 ¾"	8.00

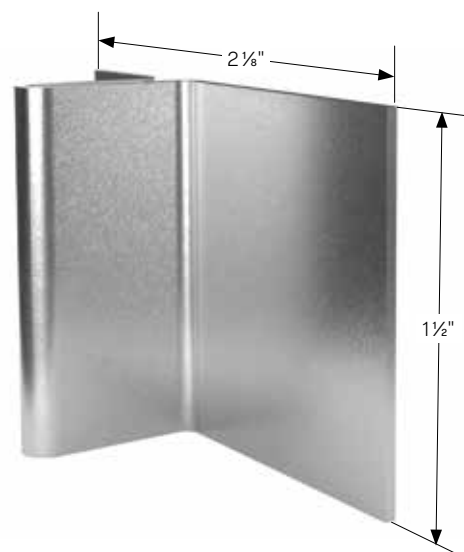
FTDC

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

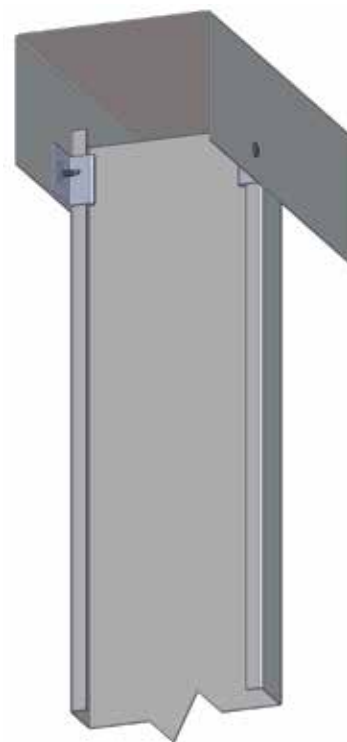
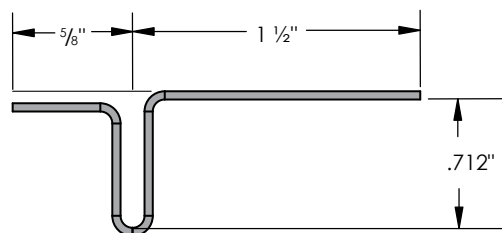
- Available in three thicknesses: 33mil, 43mil, and 54mil
- Attaches with #8 or #10 screws
- Maintains lateral rigidity through positive screw connection
- Packaged in durable buckets for convenient jobsite handling
- Can be used with stud returns up to 5/8"

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



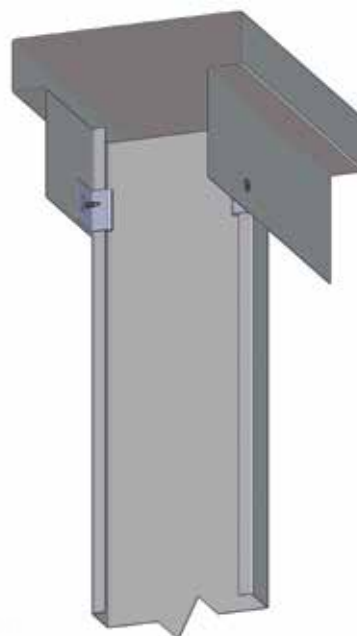
Deep Leg Track Systems
with FTDC Clips

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.

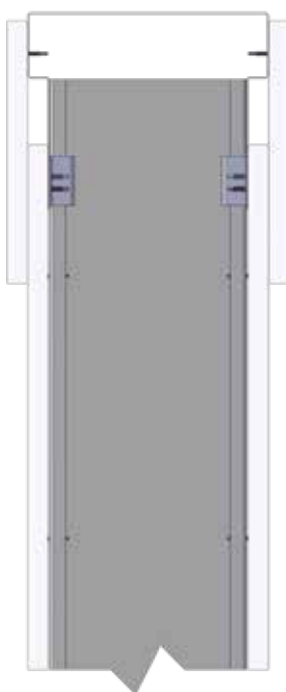


Features and Benefits

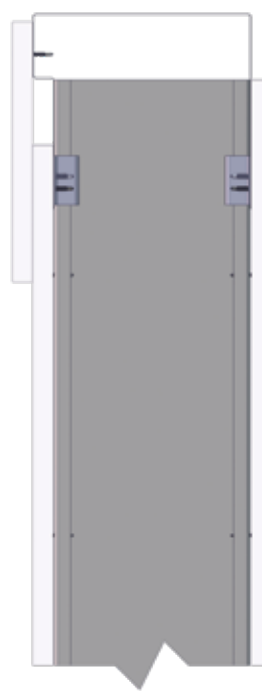
- Absorbs head-of-wall extension or compression movement
- Available in custom widths to accommodate any gypsum board configuration
- Available with custom leg sizes to accommodate any deflection requirements
- Can be made to accommodate roof pitch
- Can be used with the FTDC Clips

Material 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



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.

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Call: 509-789-8669

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