

PRODUCT APPLICATION

StiffClip® RT series secures and ties down roof framing members. StiffClip's unique shape incorporates stiffened legs to increase compressive strength and resist horizontal, lateral, and uplift loads. The allowable design load table shown is based on the use of StiffClip as it is attached to various steel stud material thicknesses and yield strengths. Design loads consider loads on the clip and the use of #12 screw fasteners relative to the framing material.

MATERIAL COMPOSITION

ASTM A653/A653M, Grade 50 (340), 50ksi (340MPa) minimum yield strength, 65ksi (450MPa) minimum tensile strength, G-90 (Z275) hot-dipped galvanized coating.

AVAILABLE THICKNESSES

Mils	Gauge	Decimal (in)
33	20	0.0346
43	18	0.0451
54	16	0.0566

STIFFCLIP RT NOMENCLATURE

StiffClip RT650 is 6½" long, and may be used when wall studs do not align with roof framing member. The RT1300 is 13" long, and is used when wall studs align with roof framing member. Clips are designated by length, followed by thickness and number of screws used in each leg (determined by load requirements).

STIFFCLIP RT VALUE

- ◆ Stiffened ribs for added strength
- ◆ Guide holes for attachment to framing members (.188" dia.)
- ◆ Engineered for steel members
- ◆ Structurally load tested
- ◆ Meets all building code criteria

QUANTITY / ORDER INFORMATION

Designation	Qty/ Box	Lbs/ Box	Pcs/ Skid	Lbs/ Skid
RT650-33	50 (pair)	15	2000	600
RT650-43	50 (pair)	18	2000	720
RT650-54	50 (pair)	22	2000	880
RT1300-33	100	29	2000	580
RT1300-43	100	35	2000	700
RT1300-54	100	43	2000	860

STIFFCLIP RT650 INSTALLATION



To install the StiffClip RT, place one end flush against the roof framing member with the other end abutting the wall framing member.



Attachment includes 2 or 4 screws in the upper and lower parts of each StiffClip RT.

STIFFCLIP RT1300 INSTALLATION



For the StiffClip RT1300, place the clip flush against roof framing member, top plate, and wall stud.



Attachment includes 2 or 4 screws in each of the upper, middle, and lower parts of each StiffClip RT1300.

STIFFCLIP® RT650



STIFFCLIP® RT1300

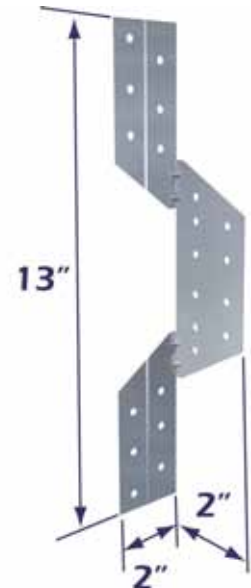


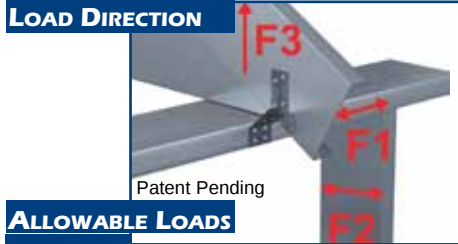
Patent Pending

STIFFCLIP RT650



STIFFCLIP RT1300





Load Directions:
F1 = Lateral F2 = Horizontal F3 = Uplift
 Allowable loads have not been increased for wind, seismic, or other factors.
 Number of screws designated represents the amount required in each leg of the clip.
 Loads listed reflect force in a single direction. When multiple loads react on the connection, it is the responsibility of the designer to check the interaction of forces.



ALLOWABLE LOADS

RT650

StiffClip® Series	Minimum Framing Thickness Mils (ga)	Fy (yield) Stud (ksi)	F1 (kips)	F2 (kips)	F3 (kips)
RT650-33mil (2 #12 Screws)	33 (20)	33	0.087	0.095	0.198
	33 (20)	50	0.087	0.138	0.287
	43 (18)	33	0.087	0.124	0.295
	43 (18)	50	0.087	0.179	0.376
	54 (16)	33	0.087	0.156	0.376
	54 (16)	50	0.087	0.225	0.376
	68 (14)	50	0.087	0.284	0.376
	97 (12)	50	0.087	0.350	0.376
RT650-43mil (2 #12 Screws)	33 (20)	33	0.120	0.095	0.376
	33 (20)	50	0.120	0.138	0.544
	43 (18)	33	0.120	0.124	0.560
	43 (18)	50	0.120	0.179	0.560
	54 (16)	33	0.120	0.156	0.560
	54 (16)	50	0.120	0.225	0.560
	68 (14)	50	0.120	0.284	0.560
	97 (12)	50	0.120	0.350	0.560
RT650-54mil (2 #12 Screws)	33 (20)	33	0.143	0.095	0.376
	33 (20)	50	0.143	0.138	0.544
	43 (18)	33	0.143	0.124	0.560
	43 (18)	50	0.143	0.179	0.668
	54 (16)	33	0.143	0.156	0.668
	54 (16)	50	0.143	0.225	0.668
	68 (14)	50	0.143	0.284	0.668
	97 (12)	50	0.143	0.350	0.668
RT650-33mil (4 #12 Screws)	33 (20)	33	0.087	0.191	0.384
	33 (20)	50	0.087	0.275	0.408
	43 (18)	33	0.087	0.248	0.408
	43 (18)	50	0.087	0.350	0.408
	54 (16)	33	0.087	0.312	0.408
	54 (16)	50	0.087	0.350	0.408
	68 (14)	50	0.087	0.350	0.408
	97 (12)	50	0.087	0.350	0.408
RT650-43mil (4 #12 Screws)	33 (20)	33	0.120	0.191	0.384
	33 (20)	50	0.120	0.275	0.554
	43 (18)	33	0.120	0.248	0.571
	43 (18)	50	0.120	0.350	0.624
	54 (16)	33	0.120	0.312	0.624
	54 (16)	50	0.120	0.480	0.624
	68 (14)	50	0.120	0.480	0.624
	97 (12)	50	0.120	0.480	0.624
RT650-54mil (4 #12 Screws)	33 (20)	33	0.143	0.191	0.384
	33 (20)	50	0.143	0.275	0.554
	43 (18)	33	0.143	0.248	0.571
	43 (18)	50	0.143	0.359	0.668
	54 (16)	33	0.143	0.312	0.668
	54 (16)	50	0.143	0.450	0.668
	68 (14)	50	0.143	0.480	0.668
	97 (12)	50	0.143	0.480	0.668

RT1300

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	54 (16)	33	0.087	0.312	0.408
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