

PRODUCT APPLICATION

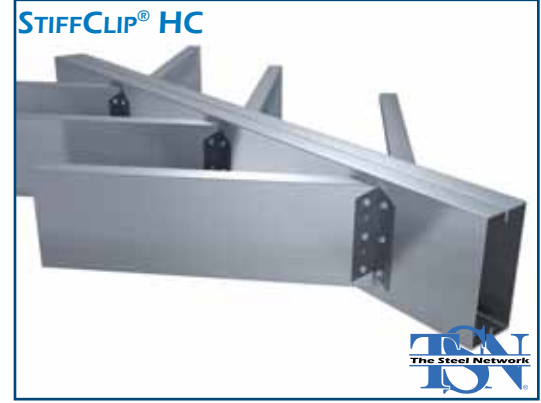
StiffClip® HC connects roof joist framing members to the hip beam. Design loads consider loads on the clip only. Number of fasteners used is based on fastener manufacturer's allowable load data. Standard angle bend is 135°. Other angle shapes are available.

MATERIAL COMPOSITION

Steel: 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)
43	18	0.0451
68	14	0.0713
97	12	0.1017



STIFFCLIP HC VALUE

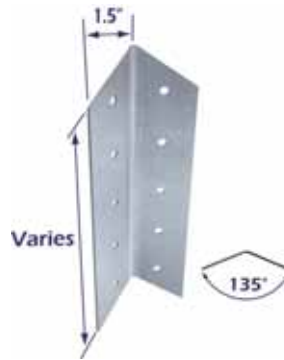
- ◆ Guide holes for attachment to framing members (.172" in diameter)
- ◆ Engineered for steel members
- ◆ Structurally load tested
- ◆ Meets all building code criteria

STIFFCLIP HC INSTALLATION



Attach end of StiffClip HC to hip beam with required number of fasteners.

Next, attach StiffClip HC to roof joist framing member with required number of screws.



QUANTITY / ORDER INFORMATION

Designation	Qty/ Box	Lbs/ Box	Pcs/ Skid	Lbs/ Skid
HC362/400-43mil	100	15	11200	1680
HC362/400-68mil	100	24	11200	2688
HC600-43mil	100	24	4500	1080
HC600-68mil	100	37	4500	1665
HC800-43mil	100	32	4500	1440
HC800-68mil	100	50	4500	2250
HC800-97mil	50	70	2250	3150
HC1000-68mil	100	65	4500	2925
HC1000-97mil	50	44	2250	1980
HC1200-68mil	100	80	3200	2560
HC1200-97mil	50	54	1600	1728
HC1400-68mil	50	45	1600	1440
HC1400-97mil	50	65	1600	2080

STIFFCLIP HC NOMENCLATURE

StiffClip HC is designated by multiplying joist depth by 100, then listing material thickness and length.

HC = StiffClip HC

600 = Joist depth of 6" (x100)

68mil = Steel thickness (14ga)

Designate: HC600-68mil

ALLOWABLE LOADS

StiffClip HC362/400, 43mils			StiffClip HC362/400, 68mils			StiffClip HC600, 68mils			StiffClip HC800, 43mils			StiffClip HC800, 68mils		
Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 2 #12 screws (kips)	Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 2 #12 screws (kips)	Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 4 #12 screws (kips)	Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 5 #12 screws (kips)	Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 5 #12 screws (kips)
33 (20)	33	0.377	33 (20)	33	0.377	33 (20)	33	0.754	33 (20)	33	0.942	33 (20)	33	0.942
33 (20)	50	0.544	33 (20)	50	0.544	33 (20)	50	1.089	33 (20)	50	1.361	33 (20)	50	1.361
43 (18)	33	0.561	43 (18)	33	0.561	43 (18)	33	1.122	43 (18)	33	1.402	43 (18)	33	1.402
43 (18)	50	0.810	43 (18)	50	0.810	43 (18)	50	1.620	43 (18)	50	2.026	43 (18)	50	2.026
54 (16)	33	0.789	54 (16)	33	0.789	54 (16)	33	1.577	54 (16)	33	1.972	54 (16)	33	1.972
54 (16)	50	1.139	54 (16)	50	1.139	54 (16)	50	2.278	54 (16)	50	2.848	54 (16)	50	2.848
68 (14)	50	1.140	68 (14)	50	1.610	68 (14)	50	3.221	68 (14)	50	2.850	68 (14)	50	4.026
97 (12)	50	1.140	97 (12)	50	1.698	97 (12)	50	3.396	97 (12)	50	2.850	97 (12)	50	4.245

StiffClip HC1000, 68mils				StiffClip HC1200, 43mils				StiffClip HC1200, 68mils			
Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 4 #12 screws (kips)	F3 w/ 6 #12 screws (kips)	Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 6 #12 screws (kips)	F3 w/ 8 #12 screws (kips)	Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 6 #12 screws (kips)	F3 w/ 8 #12 screws (kips)
33 (20)	33	N/A	N/A	33 (20)	33	N/A	N/A	33 (20)	33	N/A	N/A
33 (20)	50	N/A	N/A	33 (20)	50	N/A	N/A	33 (20)	50	N/A	N/A
43 (18)	33	1.122	1.682	43 (18)	33	N/A	N/A	43 (18)	33	N/A	N/A
43 (18)	50	1.620	2.431	43 (18)	50	N/A	N/A	43 (18)	50	N/A	N/A
54 (16)	33	1.577	2.366	54 (16)	33	2.366	3.154	54 (16)	33	2.366	3.154
54 (16)	50	2.278	3.417	54 (16)	50	3.417	3.776	54 (16)	50	3.417	4.556
68 (14)	50	3.221	4.831	68 (14)	50	3.419	3.776	68 (14)	50	4.560	4.560
97 (12)	50	3.396	5.062	97 (12)	50	3.419	3.776	97 (12)	50	4.560	4.560

LOAD DIRECTION



- ◆ Allowable loads have not been increased for wind, seismic, or other factors.
- ◆ All guide holes may not require fasteners. Fastener amount determined by designer.