

PRODUCT APPLICATION

StiffClip® JC series connects floor joists to beams while resisting vertical loads. Design loads consider clip strength only. Size and number of fasteners used is based on fastener manufacturer's allowable load data.

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 JC INSTALLATION



Attach one angle of StiffClip JC to floor beam through guide holes with approved number of screws.



Place floor joist over StiffClip JC. Attach joist to clip with approved number of screws.



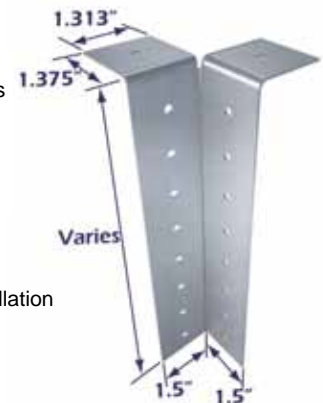
STIFFCLIP JC NOMENCLATURE

StiffClip JC is designated by listing the joist depth in inches, followed by the required clip thickness in mils that will accommodate anticipated loads.

Example: 6" joist, 3000lbs. load.
Designate: JC600-68mil

STIFFCLIP JC VALUE

- ◆ Joist flange rests on angle leg for fast joist installation
- ◆ Guide holes for attachment to beam and screw placement to member (.172" in diameter)
- ◆ Structurally load tested



QUANTITY / ORDER INFORMATION

Designation	Qty/ Box	Lbs/ Box	Pcs/ Skid	Lbs/ Skid
JC362/400-43mil	100	21	11200	2352
JC362/400-68mil	100	33	11200	3696
JC600-43mil	100	30	4500	1350
JC600-68mil	100	47	4500	2115
JC800-43mil	100	35	4500	1575
JC800-68mil	100	60	4500	2700
JC800-97mil	100	33	4500	1485
JC1000-68mil	100	73	4500	3285
JC1000-97mil	50	51	2250	2295
JC1200-68mil	50	43	1600	1376
JC1200-97mil	50	60	1600	1920
JC1400-68mil	50	50	1600	1600
JC1400-97mil	50	70	1600	2240

ALLOWABLE LOADS

StiffClip JC362/400, 43mils			StiffClip JC362/400, 68mils			StiffClip JC600, 68mils			
Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 3 #12 screws (kips)	Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 3 #12 screws (kips)	Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 3 #12 screws (kips)	F3 w/ 5 #12 screws (kips)
33 (20)	33	0.565	33 (20)	33	0.565	33 (20)	33	0.565	0.942
33 (20)	50	0.817	33 (20)	50	0.817	33 (20)	50	0.817	1.361
43 (18)	33	0.841	43 (18)	33	0.841	43 (18)	33	0.841	1.402
43 (18)	50	1.215	43 (18)	50	1.215	43 (18)	50	1.215	2.026
54 (16)	33	1.183	54 (16)	33	1.183	54 (16)	33	1.183	1.972
54 (16)	50	1.606	54 (16)	50	1.709	54 (16)	50	1.079	2.848
68 (14)	50	1.606	68 (14)	50	2.302	68 (14)	50	2.416	3.639
97 (12)	50	1.606	97 (12)	50	2.302	97 (12)	50	2.547	3.639

StiffClip JC800, 43mils

Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 4 #12 screws (kips)	F3 w/ 7 #12 screws (kips)
33 (20)	33	0.754	1.319
33 (20)	50	1.089	1.905
43 (18)	33	1.122	1.963
43 (18)	50	1.620	2.836
54 (16)	33	1.577	2.760
54 (16)	50	2.278	3.960
68 (14)	50	2.280	3.960
97 (12)	50	2.280	3.960

StiffClip JC800, 68mils

Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 4 #12 screws (kips)	F3 w/ 7 #12 screws (kips)
33 (20)	33	0.754	1.319
33 (20)	50	1.089	1.905
43 (18)	33	1.122	1.963
43 (18)	50	1.620	2.836
54 (16)	33	1.577	2.760
54 (16)	50	2.278	3.987
68 (14)	50	3.221	4.488
97 (12)	50	3.396	4.488

StiffClip JC1000, 68mils

Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 5 #12 screws (kips)	F3 w/ 9 #12 screws (kips)
33 (20)	33	N/A	N/A
33 (20)	50	N/A	N/A
43 (18)	33	1.402	2.524
43 (18)	50	2.026	3.646
54 (16)	33	1.972	3.549
54 (16)	50	2.848	5.062
68 (14)	50	4.026	5.062
97 (12)	50	4.245	5.062

LOAD DIRECTION



StiffClip JC1200, 43mils

Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 6 #12 screws (kips)	F3 w/ 11 #12 screws (kips)
54 (16)	33	2.366	3.776
54 (16)	50	3.417	3.776
68 (14)	50	3.419	3.776
97 (12)	50	3.419	3.776

StiffClip JC1200, 68mils

Joist Thickness Mils (ga)	Fy (yield) Joist (ksi)	F3 w/ 6 #12 screws (kips)	F3 w/ 11 #12 screws (kips)
54 (16)	33	2.366	4.337
54 (16)	50	3.417	6.265
68 (14)	50	4.831	6.670
97 (12)	50	5.094	6.670

- ◆ Design loads based on clip capacity only.
- ◆ Allowable loads have not been increased for wind, seismic, or other factors.
- ◆ All guide holes may not require fasteners.
- ◆ Fastener size and amount determined by designer.