

PRODUCT APPLICATION

StiffClip® WC connects truss framing web members to chord members. Clip sizes vary with each application. Guide holes are provided in each StiffClip WC for accurate fastener placement. Design loads consider loads on the clip only. Size and number of fasteners used is based on fastener manufacturer's allowable load data.

MATERIAL COMPOSITION

Steel: ASTM A653/A653M, Grade 40 (275), 40ksi (275MPa) minimum yield strength, 55ksi (380MPa) minimum tensile strength, G-90 (Z275) hot-dipped galvanized coating for 54mil. Grade 50 (340), 50ksi (340MPa) minimum yield strength, 65ksi (450MPa) minimum tensile strength, G-90 (Z275) hot-dipped galvanized coating for 118mil.

AVAILABLE THICKNESSES

Mils	Gauge	Decimal (in)
54	16	0.0566
118	10	0.1242

STIFFCLIP WC INSTALLATION



Place StiffClip WC at web of each framing member.



Attach StiffClip WC to framing member with required screws through guide holes.

ALLOWABLE LOADS

StiffClip	Allowable Design Load (kips)*
WC350-54mil, 10" lg.	1.300*
WC350-118mil, 10" lg.	5.275*
WC550-118mil, 10" lg.	2.530**
WC750-118mil, 10" lg.	1.690**

* Load based on structural test.

** Load based on calculations.

- ◆ Allowable design loads apply to tension or compression on StiffClip WC utilizing the innermost holes provided and indicated on the load direction diagram.
- ◆ Allowable loads have not been increased for wind, seismic, or other factors.
- ◆ All guide holes may not require fasteners. Fastener amount determined by designer.

STIFFCLIP® WC



STIFFCLIP WC EXAMPLE DETAILS



STIFFCLIP WC NOMENCLATURE

StiffClip WC is designated by multiplying stud depth in inches by 100, then listing material thickness and length.

Example: WC350-54mil 10"

WC = StiffClip WC

350 = Stud depth of 3½" (x100)

54mil = Steel thickness

10" = Length of clip

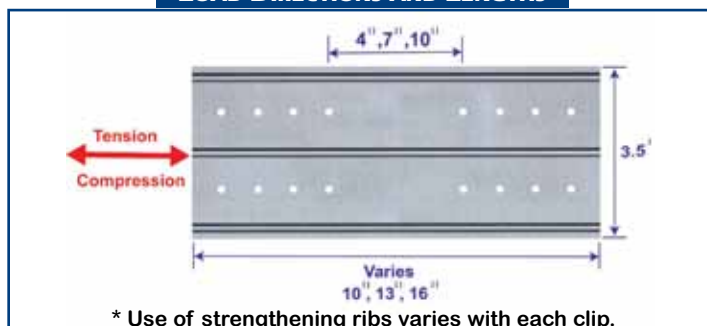
STIFFCLIP WC VALUE

- ◆ Stiffened ribs for added strength (use varies with each clip)
- ◆ Guide holes for attachment to framing members (.172" dia.)
- ◆ No time and expense spent cutting steel shapes
- ◆ Structurally load tested
- ◆ Meets all building code criteria

QUANTITY / ORDER INFORMATION

Designation	Qty/ Box	Lbs/ Box	Pcs/ Skid	Lbs/ Skid
WC350-54mil, 10"lg	100	62	4500	2790
WC350-118mil, 10"lg	50	70	2250	3150
WC550-54mil, 13"lg	50	69	1600	2208
WC550-118mil, 13"lg	25	78	800	2496
WC750-54mil, 16"lg	50	92	3000	5520
WC750-118mil, 16"lg	25	81	1500	4860

LOAD DIRECTIONS AND LENGTHS



* Use of strengthening ribs varies with each clip.