

Extended Uni-Clip™ (UXRC)

The Extended Uni-Clip™ connects exterior studs to the primary structure of the building, while resisting horizontal and vertical loads.

ClarkDietrich's Extended Uni-Clip™ rigid framing clip is used to attach exterior wall studs to the structure of the building. Designed to resist horizontal and vertical loads, the extended rigid clips install easily with screws, powder-actuated fasteners, or welds. This clip is ideal for all medium and large standoff conditions.

PRODUCT DIMENSIONS

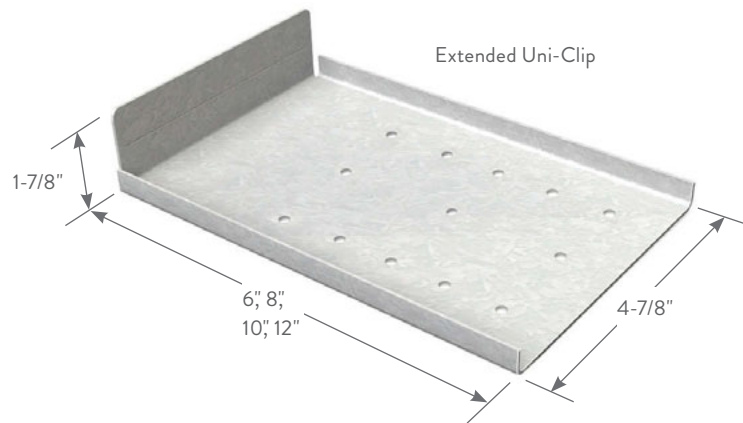
- 6" Extended Uni-Clip: 1-7/8" x 4-7/8" x 6"
- 8" Extended Uni-Clip: 1-7/8" x 4-7/8" x 8"
- 10" Extended Uni-Clip: 1-7/8" x 4-7/8" x 10"
- 12" Extended Uni-Clip: 1-7/8" x 4-7/8" x 12"

MATERIAL SPECIFICATIONS

- Gauge:** 14 gauge (68mils)
- Design Thickness:** 0.0713 inches
- Coating:** G90
- Yield Strength:** 50 ksi
- ASTM:** A653/A653M

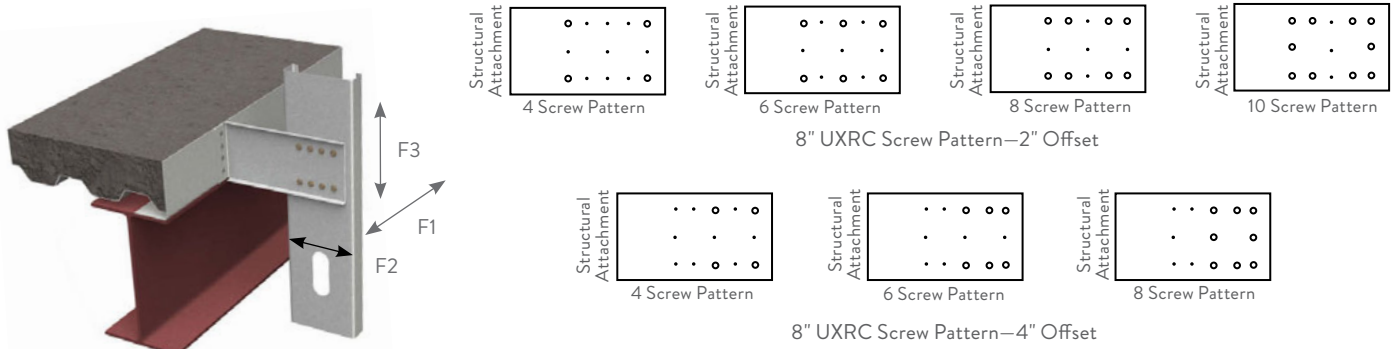
INSTALLATION

Attach the Extended Uni-Clip rigid clips to cold-formed steel framing members using #12 minimum self-drilling screws driven through the clip holes into the steel framing. Follow the required fastener placement patterns to achieve the allowable load. Connections to the primary building frame can also be made with powder-actuated fasteners or welds per design requirement.



EXTENDED Uni-Clip™

| Product code | Thickness | | | Size (in) | Packaging Pcs./ Bucket |
|--------------|-----------|------|-----------------------|--------------------|------------------------|
| | Gauge | Mils | Design thickness (in) | | |
| UXRC | 14 | 68 | 0.0713 | 1-7/8 x 4-7/8 x 6 | 25 |
| UXRC | 14 | 68 | 0.0713 | 1-7/8 x 4-7/8 x 8 | 25 |
| UXRC | 14 | 68 | 0.0713 | 1-7/8 x 4-7/8 x 10 | 25 |
| UXRC | 14 | 68 | 0.0713 | 1-7/8 x 4-7/8 x 12 | 25 |



EXTENDED Uni-Clip™ ALLOWABLE LOADS (KIPS)

| Base connection | Stud thickness gauge (mils) | Stud fy (ksi) | 8" Extended Uni-Clip | | | | | | | | | | | | | | |
|--|-----------------------------|---------------|----------------------|----------|----------|-----------|----------------|----------|----------|-----------|----------------|----------|----------|-----------|----------------|----------|----------|
| | | | 2" Offset | | | | 4" Offset | | | | | | | | | | |
| | | | F1 Load (kips) | | | | F2 Load (kips) | | | | F3 Load (kips) | | | | F3 Load (kips) | | |
| | | | 4 screws | 6 screws | 8 screws | 10 screws | 4 screws | 6 screws | 8 screws | 10 screws | 4 screws | 6 screws | 8 screws | 10 screws | 4 screws | 6 screws | 8 screws |
| Weld (Fillet/Flare Groove) | 20 (33) | 33 | 0.381 | 0.453 | 0.453 | 0.453 | 0.754 | 1.131 | 1.508 | 1.884 | 0.310 | 0.435 | 0.572 | 0.686 | 0.214 | 0.306 | 0.363 |
| | 18 (43) | 33 | 0.453 | 0.453 | 0.453 | 0.453 | 1.122 | 1.683 | 2.243 | 2.278 | 0.462 | 0.647 | 0.851 | 1.022 | 0.318 | 0.456 | 0.540 |
| | 16 (54) | 33 | 0.453 | 0.453 | 0.453 | 0.453 | 1.577 | 2.278 | 2.278 | 2.278 | 0.649 | 0.909 | 1.196 | 1.436 | 0.447 | 0.640 | 0.759 |
| | 16 (54) | 50 | 0.453 | 0.453 | 0.453 | 0.453 | 2.278 | 2.278 | 2.278 | 2.278 | 0.938 | 1.313 | 1.728 | 2.075 | 0.645 | 0.925 | 1.097 |
| | 14 (68) | 50 | 0.453 | 0.453 | 0.453 | 0.453 | 2.278 | 2.278 | 2.278 | 2.278 | 1.098 | 1.538 | 2.022 | 2.278 | 0.756 | 1.083 | 1.284 |
| (4) #12-24 (3/16" steel) | 12 (97) | 50 | 0.453 | 0.453 | 0.453 | 0.453 | 2.278 | 2.278 | 2.278 | 2.278 | 1.098 | 1.538 | 2.022 | 2.278 | 0.756 | 1.083 | 1.284 |
| | 20 (33) | 33 | 0.301 | 0.301 | 0.301 | 0.301 | 0.754 | 1.131 | 1.256 | 1.256 | 0.310 | 0.435 | 0.572 | 0.686 | 0.214 | 0.306 | 0.363 |
| | 18 (43) | 33 | 0.301 | 0.301 | 0.301 | 0.301 | 1.122 | 1.256 | 1.256 | 1.256 | 0.462 | 0.647 | 0.851 | 1.022 | 0.318 | 0.456 | 0.540 |
| | 16 (54) | 33 | 0.301 | 0.301 | 0.301 | 0.301 | 1.256 | 1.256 | 1.256 | 1.256 | 0.649 | 0.909 | 1.196 | 1.436 | 0.447 | 0.640 | 0.759 |
| | 16 (54) | 50 | 0.301 | 0.301 | 0.301 | 0.301 | 1.256 | 1.256 | 1.256 | 1.256 | 0.938 | 1.313 | 1.728 | 1.864 | 0.645 | 0.925 | 1.097 |
| (4) Hilti X-U (3/16" steel) | 14 (68) | 50 | 0.301 | 0.301 | 0.301 | 0.301 | 1.256 | 1.256 | 1.256 | 1.256 | 1.098 | 1.538 | 1.864 | 1.864 | 0.756 | 1.083 | 1.284 |
| | 12 (97) | 50 | 0.301 | 0.301 | 0.301 | 0.301 | 1.256 | 1.256 | 1.256 | 1.256 | 1.098 | 1.538 | 1.864 | 1.864 | 0.756 | 1.083 | 1.284 |
| | 20 (33) | 33 | 0.301 | 0.301 | 0.301 | 0.301 | 0.754 | 0.875 | 0.875 | 0.875 | 0.310 | 0.435 | 0.572 | 0.686 | 0.214 | 0.306 | 0.363 |
| | 18 (43) | 33 | 0.301 | 0.301 | 0.301 | 0.301 | 0.875 | 0.875 | 0.875 | 0.875 | 0.462 | 0.647 | 0.851 | 1.022 | 0.318 | 0.456 | 0.540 |
| | 16 (54) | 33 | 0.301 | 0.301 | 0.301 | 0.301 | 0.875 | 0.875 | 0.875 | 0.875 | 0.649 | 0.909 | 1.196 | 1.436 | 0.447 | 0.640 | 0.759 |
| (4) Hilti X-U (1" embedment in 3000 psi concrete) | 16 (54) | 50 | 0.301 | 0.301 | 0.301 | 0.301 | 0.875 | 0.875 | 0.875 | 0.875 | 0.938 | 1.313 | 1.728 | 1.864 | 0.645 | 0.925 | 1.097 |
| | 14 (68) | 50 | 0.301 | 0.301 | 0.301 | 0.301 | 0.875 | 0.875 | 0.875 | 0.875 | 1.098 | 1.538 | 1.864 | 1.864 | 0.756 | 1.083 | 1.284 |
| | 12 (97) | 50 | 0.301 | 0.301 | 0.301 | 0.301 | 0.875 | 0.875 | 0.875 | 0.875 | 1.098 | 1.538 | 1.864 | 1.864 | 0.756 | 1.083 | 1.284 |
| | 20 (33) | 33 | 0.301 | 0.301 | 0.301 | 0.301 | 0.360 | 0.360 | 0.360 | 0.360 | 0.310 | 0.435 | 0.572 | 0.686 | 0.214 | 0.306 | 0.363 |
| | 18 (43) | 33 | 0.301 | 0.301 | 0.301 | 0.301 | 0.360 | 0.360 | 0.360 | 0.360 | 0.462 | 0.647 | 0.747 | 0.747 | 0.318 | 0.456 | 0.540 |
| (2) Kwik-Cons II (1-3/4" embedment in 3000 psi concrete) | 16 (54) | 33 | 0.301 | 0.301 | 0.301 | 0.301 | 0.360 | 0.360 | 0.360 | 0.360 | 0.462 | 0.647 | 0.747 | 0.747 | 0.318 | 0.456 | 0.540 |
| | 16 (54) | 50 | 0.301 | 0.301 | 0.301 | 0.301 | 0.360 | 0.360 | 0.360 | 0.360 | 0.649 | 0.747 | 0.747 | 0.747 | 0.447 | 0.640 | 0.747 |
| | 14 (68) | 50 | 0.301 | 0.301 | 0.301 | 0.301 | 0.360 | 0.360 | 0.360 | 0.360 | 0.747 | 0.747 | 0.747 | 0.747 | 0.645 | 0.747 | 0.747 |
| | 12 (97) | 50 | 0.301 | 0.301 | 0.301 | 0.301 | 0.360 | 0.360 | 0.360 | 0.360 | 0.747 | 0.747 | 0.747 | 0.747 | 0.645 | 0.747 | 0.747 |
| | 20 (33) | 33 | 0.301 | 0.301 | 0.301 | 0.301 | 0.754 | 0.922 | 0.922 | 0.922 | 0.310 | 0.435 | 0.572 | 0.686 | 0.214 | 0.306 | 0.363 |

6", 10", and 12" tables are available at clarkdietrich.com.

Notes:

- Capacities listed in the table/notes assume that no load reductions are required for spacing or edge distance of Hilti X-U pins in steel, Kwik-Cons, or screws. Load reductions are enforced for spacing or edge distance of Hilti X-U in concrete.
- Weld capacities are calculated for 2" long weld assuming 1" from the edges on the outer radius of the bend.
- Allowable loads have not been increased for wind, seismic, or other factors.
- The F1 values are calculated based on the moment capacity of the clip cross section.
- Capacities are based on the use of #12 screws to clip-stud interface.
- The embedment depth of Kwik-Cons in 3000psi normal weight concrete is 1-3/4". The embedment depth of Hilti X-U in 3000psi normal weight concrete is 1".
- The Hilti X-U pins and #12-24 screws are embedded in 3/16" structural steel.
- Torsional effects are considered on screw group for F3 allowable loads.
- Use a linear interaction equation for connections involving any combination of F1, F2, and F3.
- Hilti is a registered trademark of the Hilti Aktiengesellschaft Corporation.
- Hilti X-U PAFs shown in table may not be substituted without prior approval from ClarkDietrich Engineering Services.