

EasyClip™ D-Series™ Anchor Clip/EasyClip™ T-Series™ Tall Anchor Clip

Cost-effective tie-down solutions for knee walls, shearwalls and truss connections.

ClarkDietrich EasyClip™ D-Series™ anchor clips and T-Series™ tall anchor clips are high-performance, cost-effective solutions for knee wall-to-foundation connections, light-duty shearwall-to-foundation connections and truss-to-wall connections. These multi-application clips feature reinforced stiffening ribs that provide superior design values for maximum performance. The EasyClip D-Series anchor clips and T-Series tall anchor clips are designed to resist horizontal, torsional and vertical (uplift) loads. These clips are prepunched with a series of attachment holes including anchor bolt, Kwik-Con and screw holes, for efficient and accurate fastener placement.

ALTERNATIVE PRODUCTS

- EasyClip™ A-Series™ End Clip
- SwiftClip™ LA-Series™ Support Clip
- Uni-Clip™

PRODUCT DIMENSIONS

EasyClip D-Series:

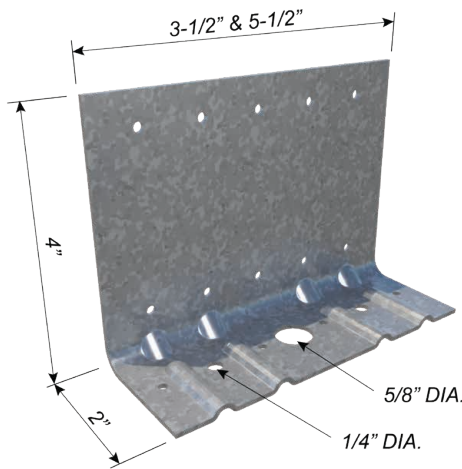
2" x 2" x 3-1/2"

2" x 2" x 5-1/2"

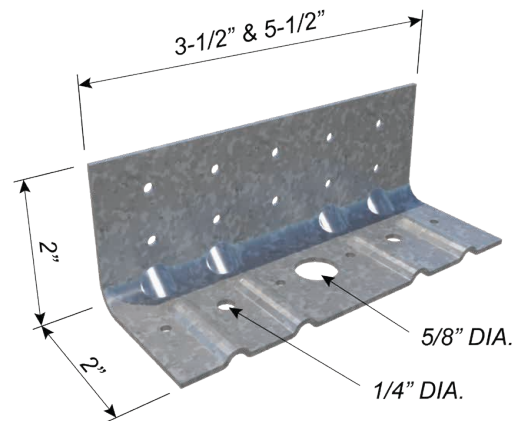
EasyClip T-Series:

2" x 4" x 3-1/2"

2" x 4" x 5-1/2"



EasyClip T-Series Tall Anchor Clip



EasyClip D-Series Anchor Clip

MATERIAL SPECIFICATIONS

Gauge: 14 gauge (68mils)

Design Thickness: 0.0713 inches

Gauge: 12 gauge (97mils)

Design Thickness: 0.1017 inches

Coating: G90

Yield Strength: 50ksi

ASTM: A653/A653M

INSTALLATION

Install EasyClip D-Series and T-Series anchor clips by attaching the screw hole-only leg to the web of the stud, joist, rafter or track with the applicable number of fasteners (screws or welds). Secure bottom leg (anchor bolt hole) to structure using prepunched holes provided with appropriate fastener type and number of fasteners according to design based on load requirements.

EasyClip™ D-Series™ Anchor Clips and T-Series™ Tall Anchor Clips

| Product code | Thickness | | Size (in) | Packaging Pcs./Bucket |
|--------------|---------------|-----------------------|---------------|-----------------------|
| | Mils (Gauge) | Design thickness (in) | | |
| D683 | 68mils (14ga) | 0.0713 | 2 x 2 x 3-1/2 | 40 |
| T683 | 68mils (14ga) | 0.0713 | 2 x 4 x 3-1/2 | 40 |
| D685 | 68mils (14ga) | 0.0713 | 2 x 2 x 5-1/2 | 40 |
| T685 | 68mils (14ga) | 0.0713 | 2 x 4 x 5-1/2 | 40 |
| D973 | 97mils (12ga) | 0.1017 | 2 x 2 x 3-1/2 | 40 |
| T973 | 97mils (12ga) | 0.1017 | 2 x 4 x 3-1/2 | 40 |
| D975 | 97mils (12ga) | 0.1017 | 2 x 2 x 5-1/2 | 40 |
| T975 | 97mils (12ga) | 0.1017 | 2 x 4 x 5-1/2 | 40 |

| EasyClip™ D-Series™ Anchor Clips and T-Series™ Tall Anchor Clips | | ALLOWABLE LOADS (LBS) | | | | | | | | |
|------------------------------------------------------------------|--------------------------------|-----------------------|---------------------------------|--------|---------|---------------------|-----|-----|----------------------|-------------------------|
| Product code | Stud thickness Mils (Gauge) | Stud Fy (ksi) | F1 (Shear), (lbs) | | | F2 (Tension), (lbs) | | | M (Moment), (in-lbs) | |
| | | | Number of #10-16 Screws to Stud | | | | | | Kwik-Cons/ screws | 1/2" Dia. Kwik-Bolts |
| | | | 4 | 6 | 10 | 4 | 6 | 10 | | |
| D683 | 33mils (20ga) | 33 | 374 | 466 | 664* | 444 | 444 | 444 | 1418 | 1068 |
| | 43mils (18ga) | 33 | 556 | 692* | 986*# | 444 | 444 | 444 | 1675 | 1068 |
| | 54mils (16ga) | 33 | 783* | 974*# | 1389*# | 444 | 444 | 444 | 1675 | 1068 |
| | 54mils (16ga) | 50 | 1107*# | 1377*# | 1962*# | 444 | 444 | 444 | 1675 | 1068 |
| D973 | 33mils (20ga) | 33 | 374 | 466 | 664 | 560 | 840 | 889 | 1418 | 1418 |
| | 43mils (18ga) | 33 | 556 | 692 | 986* | 832 | 889 | 889 | 2107* | 2054 |
| | 54mils (16ga) | 33 | 783 | 974* | 1389*# | 889 | 889 | 889 | 2447* | 2054 |
| | 54mils (16ga) | 50 | 1107* | 1377*# | 1962*# | 889 | 889 | 889 | 2447* | 2054 |
| T683 | 33mils (20ga) | 33 | 280 | 383 | 604 | 444 | 444 | 444 | 1787* | 1106 |
| | 43mils (18ga) | 33 | 416 | 569 | 897 | 444 | 444 | 444 | 2072* | 1106 |
| | 54mils (16ga) | 33 | 586 | 802* | 1264*# | 444 | 444 | 444 | 2072* | 1106 |
| | 54mils (16ga) | 50 | 828* | 1133*# | 1786*# | 444 | 444 | 444 | 2072* | 1106 |
| T973 | 33mils (20ga) | 33 | 280 | 383 | 604 | 560 | 840 | 889 | 1787* | 1787 |
| | 43mils (18ga) | 33 | 416 | 569 | 897 | 832 | 889 | 889 | 2527* | 2110 |
| | 54mils (16ga) | 33 | 586 | 802 | 1264* | 889 | 889 | 889 | 2527* | 2110 |
| | 54mils (16ga) | 50 | 828 | 1133* | 1786*# | 889 | 889 | 889 | 2527* | 2110 |
| D685 | 33mils (20ga) | 33 | 456 | 599 | 879 | 560 | 698 | 698 | 2019 | 2019 |
| | 43mils (18ga) | 33 | 677 | 890 | 1306* | 698 | 698 | 698 | 2865* | 2234 |
| | 54mils (16ga) | 33 | 954 | 1254* | 1839*# | 698 | 698 | 698 | 2865* | 2234 |
| | 54mils (16ga) | 50 | 1348* | 1772* | 2599*#% | 698 | 698 | 698 | 2865* | 2234 |
| D975 | 33mils (20ga) | 33 | 456 | 599 | 879 | 560 | 840 | 889 | 2019 | 2019 |
| | 43mils (18ga) | 33 | 677 | 890 | 1306* | 832 | 889 | 889 | 2999* | 2999 |
| | 54mils (16ga) | 33 | 954 | 1254* | 1839*# | 889 | 889 | 889 | 3477* | 3167 |
| | 54mils (16ga) | 50 | 1348* | 1772* | 2599*#% | 889 | 889 | 889 | 3477* | 3167 |
| T685 | 33mils (20ga) | 33 | 337 | 445 | 678 | 560 | 698 | 698 | 2298* | 1968 |
| | 43mils (18ga) | 33 | 501 | 661 | 1008* | 698 | 698 | 698 | 3415* | 1968 |
| | 54mils (16ga) | 33 | 706 | 931 | 1420* | 698 | 698 | 698 | 3509* | 1968 |
| | 54mils (16ga) | 50 | 997* | 1316* | 2006*#% | 698 | 698 | 698 | 3509* | 1968 |
| T975 | 33mils (20ga) | 33 | 337 | 445 | 678 | 560 | 840 | 889 | 2298* | 2298 |
| | 43mils (18ga) | 33 | 501 | 661 | 1008* | 832 | 889 | 889 | 3415* | 3059 |
| | 54mils (16ga) | 33 | 706 | 931 | 1420* | 889 | 889 | 889 | 4416* | 3059 |
| | 54mils (16ga) | 50 | 997* | 1316* | 2006*#% | 889 | 889 | 889 | 4416* | 3059 |

RIGID CONNECTIONS

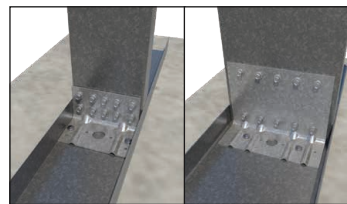
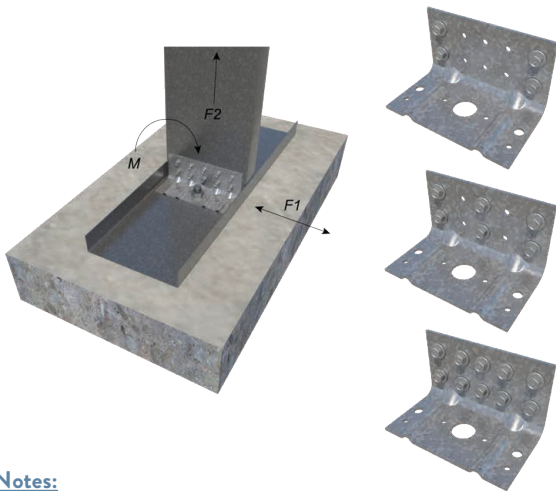


Figure 1 Kwik-Cons

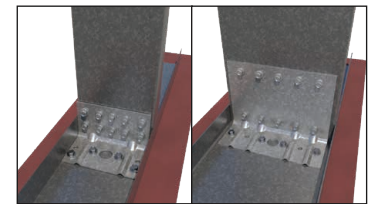


Figure 2 #12-24 screws

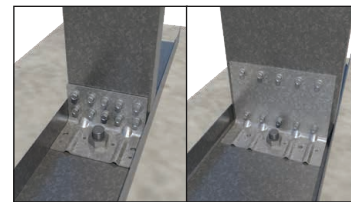


Figure 3 Kwik-Bolts

Notes:

- Capacities listed in the table/notes assume that no load reductions are required for spacing or edge distance of Kwik-Cons, screws, or Kwik-Bolts.
- An "*" in the shear column indicates that the shear capacity is limited to 642 lbs for D683 and T683 clips, 917 lbs for D973 and T973 clips, and 994 lbs for D685, D975, T685, and T975 clips when using 1/4" x 1-3/4" Hilti® Kwik-Cons to 3000psi concrete as shown in Figure 1.
- A "#" in the shear column indicates that the shear capacity is limited to 963 lbs for D683 and T683 clips, 1374 lbs for D973 and T973 clips, and 1816 lbs for D685, D975, T685, and T975 clips when using #12-24 self-tapping screws to 3/16" A36 steel as shown in Figure 2.
- A "%" in the shear column indicates that the shear capacity is limited to 1970 lbs when using 1/2" x 2-1/4" Hilti Kwik-Bolts to 3000psi concrete as shown in Figure 3.
- A "*" in the moment column indicates that moment capacity is limited to 1706 in.-lb. for 3" clips, and 2231 in.-lb. for 5" clips when using 1/4" x 1-3/4" Hilti-Cons to 3000psi concrete as shown in Figure 1.
- Tabulated moment capacity is limited to a serviceability of 0.02 radians, or 1.1 degrees of rotation at the connection.
- For 20 and 18 gauge studs, the tabulated moment capacity is based on 18 gauge minimum base track, with (1) #10-16 screw at each track leg to stud flange. For 16 gauge and heavier studs, the base track shall be 14 gauge minimum.
- Tabulated moment capacity is based on a stud to clip connection using (6) #10-16 screws.
- For single-bolt connections, rotational restraint must be provided by the base track.
- For 14 gauge (68mils) and 12 gauge (97mils), use the tabulated values for 16 gauge (54mils), 50ksi studs.
- It is the responsibility of the designer to properly detail connections on the contract drawings.
- Use a linear interaction equation for connections involving any combination of F1, F2, and M.
- Hilti is a registered trademark of Hilti Aktiengesellschaft Corporation.