

## 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

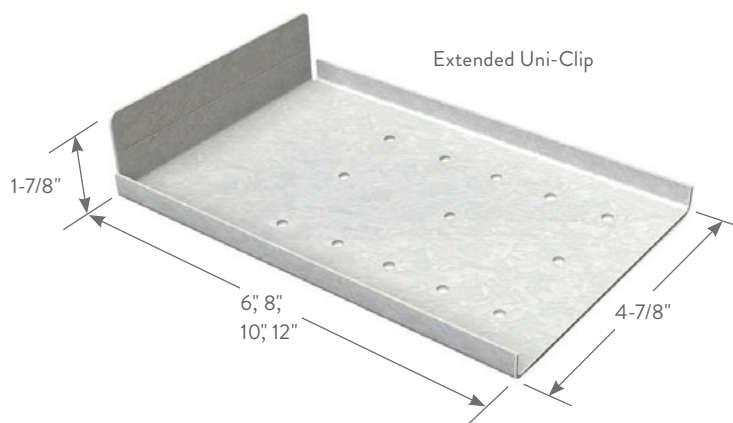
**Coating:** G90

**Yield Strength:** 50 ksi

**ASTM:** A653/A653M

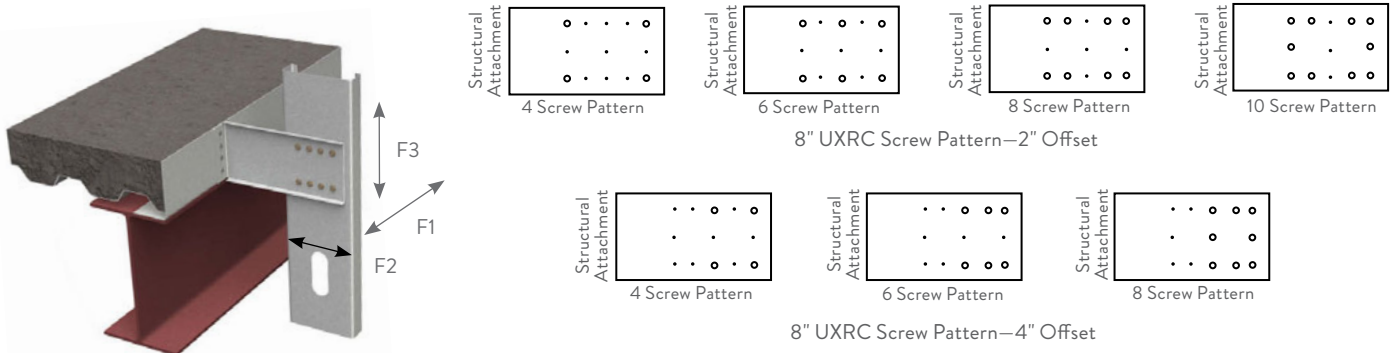
### INSTALLATION

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)**

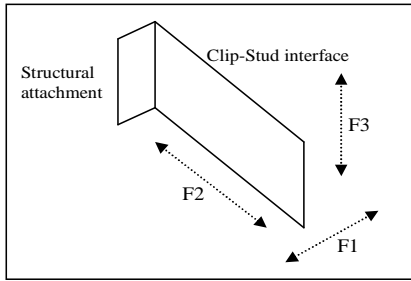
Base connection	Stud thickness gauge (mils)	Stud fy (ksi)	8" Extended Uni-Clip														
			2" Offset				4" Offset				2" Offset				4" Offset		
			F1 Load (kips)				F2 Load (kips)				F3 Load (kips)				F3 Load (kips)		
			4 screws	6 screws	8 screws	10 screws	4 screws	6 screws	8 screws	10 screws	4 screws	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	0.649	0.747	0.747	0.747	0.447	0.640	0.747
	16 (54)	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
	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](http://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.

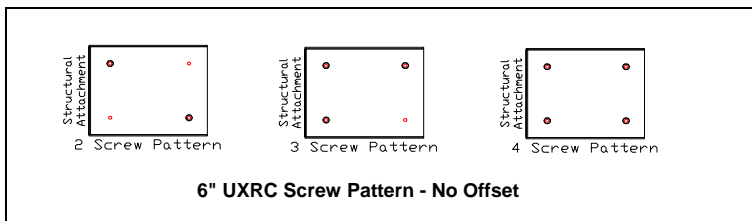
Capacities for Extended Rigid Clips (kips.)



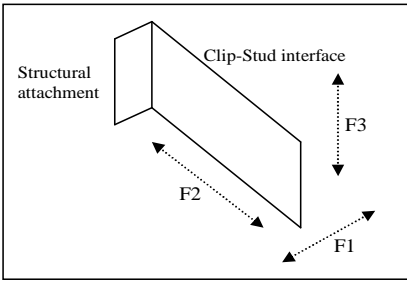
Base Connection	Stud Thickness GA (MIL)	Stud fy (ksi)	6" RigidClip								
			F1 Load (kips)			F2 Load (kips)			F3 Load (kips)		
			2 screws	3 screws	4 screws	2 screws	3 screws	4 screws	2 screws	3 screws	4 screws
Weld (Fillet/Flare Groove)	20 (33)	33	0.191	0.286	0.381	0.377	0.565	0.754	0.220	0.344	0.433
	18 (43)	33	0.248	0.373	0.497	0.561	0.841	1.122	0.328	0.511	0.644
	16 (54)	33	0.312	0.468	0.624	0.789	1.183	1.577	0.460	0.719	0.905
	16 (54)	50	0.450	0.675	0.899	1.139	1.708	2.278	0.665	1.038	1.307
	14(68)	50	0.567	0.851	0.899	1.333	2.000	2.278	0.779	1.215	1.531
	12(97)	50	0.809	0.899	0.899	1.333	2.000	2.278	0.779	1.215	1.531
(4) #12 - 24 (3/16" Steel)	20 (33)	33	0.191	0.286	0.339	0.377	0.565	0.754	0.220	0.344	0.433
	18 (43)	33	0.248	0.339	0.339	0.561	0.841	1.122	0.328	0.511	0.644
	16 (54)	33	0.312	0.339	0.339	0.789	1.183	1.256	0.460	0.719	0.905
	16 (54)	50	0.339	0.339	0.339	1.139	1.256	1.256	0.665	1.038	1.307
	14(68)	50	0.339	0.339	0.339	1.256	1.256	1.256	0.779	1.215	1.531
	12(97)	50	0.339	0.339	0.339	1.256	1.256	1.256	0.779	1.215	1.531
(4) Hilti X-U (3/16" Steel)	20 (33)	33	0.191	0.286	0.339	0.377	0.565	0.754	0.220	0.344	0.433
	18 (43)	33	0.248	0.339	0.339	0.561	0.841	0.875	0.328	0.511	0.644
	16 (54)	33	0.312	0.339	0.339	0.789	0.875	0.875	0.460	0.719	0.905
	16 (54)	50	0.339	0.339	0.339	0.875	0.875	0.875	0.665	1.038	1.307
	14(68)	50	0.339	0.339	0.339	0.875	0.875	0.875	0.779	1.215	1.531
	12(97)	50	0.339	0.339	0.339	0.875	0.875	0.875	0.779	1.215	1.531
(4) Hilti X-U (1" Embedment in 3000psi Concrete)	20 (33)	33	0.191	0.286	0.339	0.360	0.360	0.360	0.220	0.344	0.433
	18 (43)	33	0.248	0.339	0.339	0.360	0.360	0.360	0.328	0.511	0.644
	16 (54)	33	0.312	0.339	0.339	0.360	0.360	0.360	0.460	0.719	0.747
	16 (54)	50	0.339	0.339	0.339	0.360	0.360	0.360	0.665	0.747	0.747
	14(68)	50	0.339	0.339	0.339	0.360	0.360	0.360	0.747	0.747	0.747
	12(97)	50	0.339	0.339	0.339	0.360	0.360	0.360	0.747	0.747	0.747
(2) Kwik-Con II (1 3/4" embedment in 3000psi Concrete)	20 (33)	33	0.191	0.286	0.339	0.377	0.565	0.754	0.220	0.344	0.433
	18 (43)	33	0.248	0.339	0.339	0.561	0.841	0.922	0.328	0.511	0.644
	16 (54)	33	0.312	0.339	0.339	0.789	0.922	0.922	0.460	0.719	0.905
	16 (54)	50	0.339	0.339	0.339	0.922	0.922	0.922	0.665	1.038	1.160
	14(68)	50	0.339	0.339	0.339	0.922	0.922	0.922	0.779	1.160	1.160
	12(97)	50	0.339	0.339	0.339	0.922	0.922	0.922	0.779	1.160	1.160

Notes:

- 1) Capacities listed in the table/notes assume that no load reductions are required for spacing or edge distance of Hilti pins in steel, Kwik-Cons, or screws. Load reductions are enforced for spacing or edge distance of Hilti X-U in Concrete.
- 2) Weld Capacities are calculated for 2" long weld assuming 1" from the edges on the outer radius of the bend.
- 3) Allowable loads have not been increased for wind, seismic, or other factors
- 4) The F1 values are calculated based on the moment capacity of the clip cross section.
- 5) Capacities are based on the use of #12 screws to clip-stud interface
- 6) The embedment depth of Kwik Cons in 3000psi concrete is 1 3/4"  
The embedment depth of Hilti X-U in 3000psi Concrete is 1"
- 7) The Hilti X-U pins and #12-24 screws are embedded in 3/16" structural steel
- 8) Torsional effects are considered on screw group for F3 allowable loads
- 9) Use a linear interaction equation for connections involving any combination of F1, F2, and F3.



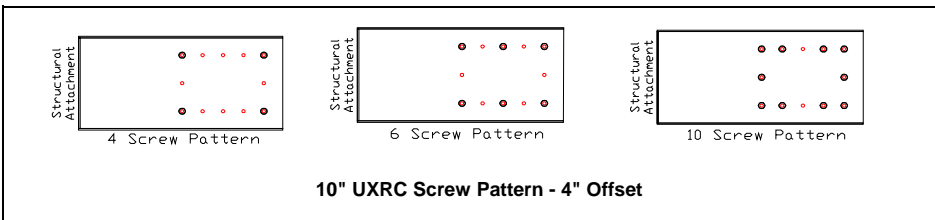
Capacities for Extended Rigid Clips (kips.) (Contd..)

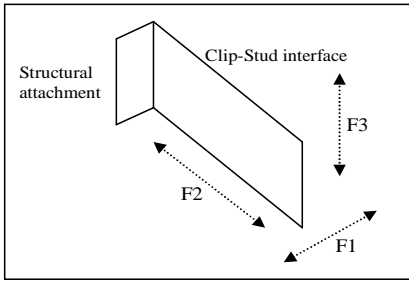


Base Connection	Stud Thickness GA (MIL)	Stud fy (ksi)	10" RigidClip (4" Offset)								
			F1 Load (kips)			F2 Load (kips)			F3 Load (kips)		
			4 screws	6 screws	10 screws	4 screws	6 screws	10 screws	4 screws	6 screws	10 screws
Weld (Fillet/Flare Groove)	20 (33)	33	0.228	0.228	0.228	0.754	1.131	1.884	0.239	0.328	0.523
	18 (43)	33	0.228	0.228	0.228	1.122	1.683	2.278	0.356	0.488	0.779
	16 (54)	33	0.228	0.228	0.228	1.577	2.278	2.278	0.500	0.686	1.095
	16 (54)	50	0.228	0.228	0.228	2.278	2.278	2.278	0.722	0.991	1.581
	14(68)	50	0.228	0.228	0.228	2.278	2.278	2.278	0.845	1.160	1.851
	12(97)	50	0.228	0.228	0.228	2.278	2.278	2.278	0.845	1.160	1.851
(4) #12 - 24 (3/16" Steel)	20 (33)	33	0.133	0.133	0.133	0.754	1.131	1.256	0.239	0.328	0.523
	18 (43)	33	0.133	0.133	0.133	1.122	1.256	1.256	0.356	0.488	0.779
	16 (54)	33	0.133	0.133	0.133	1.256	1.256	1.256	0.500	0.686	1.095
	16 (54)	50	0.133	0.133	0.133	1.256	1.256	1.256	0.722	0.991	1.581
	14(68)	50	0.133	0.133	0.133	1.256	1.256	1.256	0.845	1.160	1.596
	12(97)	50	0.133	0.133	0.133	1.256	1.256	1.256	0.845	1.160	1.596
(4) Hilti X-U (3/16" Steel)	20 (33)	33	0.133	0.133	0.133	0.754	0.875	0.875	0.239	0.328	0.523
	18 (43)	33	0.133	0.133	0.133	0.875	0.875	0.875	0.356	0.488	0.779
	16 (54)	33	0.133	0.133	0.133	0.875	0.875	0.875	0.500	0.686	1.095
	16 (54)	50	0.133	0.133	0.133	0.875	0.875	0.875	0.722	0.991	1.581
	14(68)	50	0.133	0.133	0.133	0.875	0.875	0.875	0.845	1.160	1.596
	12(97)	50	0.133	0.133	0.133	0.875	0.875	0.875	0.845	1.160	1.596
(4) Hilti X-U (1" Embedment in 3000psi Concrete)	20 (33)	33	0.133	0.133	0.133	0.360	0.360	0.360	0.239	0.328	0.523
	18 (43)	33	0.133	0.133	0.133	0.360	0.360	0.360	0.356	0.488	0.747
	16 (54)	33	0.133	0.133	0.133	0.360	0.360	0.360	0.500	0.686	0.747
	16 (54)	50	0.133	0.133	0.133	0.360	0.360	0.360	0.722	0.747	0.747
	14(68)	50	0.133	0.133	0.133	0.360	0.360	0.360	0.747	0.747	0.747
	12(97)	50	0.133	0.133	0.133	0.360	0.360	0.360	0.747	0.747	0.747
(2) Kwik-Con II (1 3/4" embedment in 3000psi Concrete)	20 (33)	33	0.133	0.133	0.133	0.754	0.922	0.922	0.239	0.328	0.523
	18 (43)	33	0.133	0.133	0.133	0.922	0.922	0.922	0.356	0.488	0.779
	16 (54)	33	0.133	0.133	0.133	0.922	0.922	0.922	0.500	0.686	1.095
	16 (54)	50	0.133	0.133	0.133	0.922	0.922	0.922	0.722	0.991	1.160
	14(68)	50	0.133	0.133	0.133	0.922	0.922	0.922	0.845	1.160	1.160
	12(97)	50	0.133	0.133	0.133	0.922	0.922	0.922	0.845	1.160	1.160

Notes:

- 1) Capacities listed in the table/notes assume that no load reductions are required for spacing or edge distance of Hilti pins in steel, Kwik-Cons, or screws. Load reductions are enforced for spacing or edge distance of Hilti X-U in Concrete.
- 2) Weld Capacities are calculated for 2" long weld assuming 1" from the edges on the outer radius of the bend.
- 3) Allowable loads have not been increased for wind, seismic, or other factors
- 4) The F1 values are calculated based on the moment capacity of the clip cross section.
- 5) Capacities are based on the use of #12 screws to clip-stud interface
- 6) The embedment depth of Kwik Cons in 3000psi concrete is 1 3/4"  
The embedment depth of Hilti X-U in 3000psi Concrete is 1"
- 7) The Hilti X-U pins and #12-24 screws are embedded in 3/16" structural steel
- 8) Torsional effects are considered on screw group for F3 allowable loads
- 9) Use a linear interaction equation for connections involving any combination of F1, F2, and F3.





Base Connection	Stud Thickness GA (MIL)	Stud fy (ksi)	12" RigidClip (6" Offset)								
			F1 Load (kips)			F2 Load (kips)			F3 Load (kips)		
			4 screws	6 screws	10 screws	4 screws	6 screws	10 screws	4 screws	6 screws	10 screws
Weld (Fillet/Flare Groove)	20 (33)	33	0.131	0.131	0.131	0.754	1.131	1.884	0.193	0.261	0.420
	18 (43)	33	0.131	0.131	0.131	1.122	1.683	2.278	0.287	0.389	0.625
	16 (54)	33	0.131	0.131	0.131	1.577	2.278	2.278	0.404	0.547	0.879
	16 (54)	50	0.131	0.131	0.131	2.278	2.278	2.278	0.584	0.790	1.269
	14(68)	50	0.131	0.131	0.131	2.278	2.278	2.278	0.683	0.925	1.485
	12(97)	50	0.131	0.131	0.131	2.278	2.278	2.278	0.683	0.925	1.485
(4) #12 - 24 (3/16" Steel)	20 (33)	33	0.095	0.095	0.095	0.754	0.950	0.950	0.193	0.261	0.420
	18 (43)	33	0.095	0.095	0.095	0.950	0.950	0.950	0.287	0.389	0.625
	16 (54)	33	0.095	0.095	0.095	0.950	0.950	0.950	0.404	0.547	0.879
	16 (54)	50	0.095	0.095	0.095	0.950	0.950	0.950	0.584	0.790	1.269
	14(68)	50	0.095	0.095	0.095	0.950	0.950	0.950	0.683	0.925	1.329
	12(97)	50	0.095	0.095	0.095	0.950	0.950	0.950	0.683	0.925	1.329
(4) Hilti X-U (3/16" Steel)	20 (33)	33	0.095	0.095	0.095	0.754	0.875	0.875	0.193	0.261	0.420
	18 (43)	33	0.095	0.095	0.095	0.875	0.875	0.875	0.287	0.389	0.625
	16 (54)	33	0.095	0.095	0.095	0.875	0.875	0.875	0.404	0.547	0.879
	16 (54)	50	0.095	0.095	0.095	0.875	0.875	0.875	0.584	0.790	1.269
	14(68)	50	0.095	0.095	0.095	0.875	0.875	0.875	0.683	0.925	1.329
	12(97)	50	0.095	0.095	0.095	0.875	0.875	0.875	0.683	0.925	1.329
(4) Hilti X-U (1" Embedment in 3000psi Concrete)	20 (33)	33	0.095	0.095	0.095	0.360	0.360	0.360	0.193	0.261	0.420
	18 (43)	33	0.095	0.095	0.095	0.360	0.360	0.360	0.287	0.389	0.625
	16 (54)	33	0.095	0.095	0.095	0.360	0.360	0.360	0.404	0.547	0.747
	16 (54)	50	0.095	0.095	0.095	0.360	0.360	0.360	0.584	0.747	0.747
	14(68)	50	0.095	0.095	0.095	0.360	0.360	0.360	0.683	0.747	0.747
	12(97)	50	0.095	0.095	0.095	0.360	0.360	0.360	0.683	0.747	0.747
(2) Kwik-Con II (1 3/4" embedment in 3000psi Concrete)	20 (33)	33	0.095	0.095	0.095	0.754	0.922	0.922	0.193	0.261	0.420
	18 (43)	33	0.095	0.095	0.095	0.922	0.922	0.922	0.287	0.389	0.625
	16 (54)	33	0.095	0.095	0.095	0.922	0.922	0.922	0.404	0.547	0.879
	16 (54)	50	0.095	0.095	0.095	0.922	0.922	0.922	0.584	0.790	1.160
	14(68)	50	0.095	0.095	0.095	0.922	0.922	0.922	0.683	0.925	1.160
	12(97)	50	0.095	0.095	0.095	0.922	0.922	0.922	0.683	0.925	1.160

**Notes:**

- 1) Capacities listed in the table/notes assume that no load reductions are required for spacing or edge distance of Hilti pins in steel, Kwik-Cons, or screws. Load reductions are enforced for spacing or edge distance of Hilti X-U in Concrete.
- 2) Weld Capacities are calculated for 2" long weld assuming 1" from the edges on the outer radius of the bend.
- 3) Allowable loads have not been increased for wind, seismic, or other factors
- 4) The F1 values are calculated based on the moment capacity of the clip cross section.
- 5) Capacities are based on the use of #12 screws to clip-stud interface
- 6) The embedment depth of Kwik Cons in 3000psi concrete is 1 3/4"  
The embedment depth of Hilti X-U in 3000psi Concrete is 1"
- 7) The Hilti X-U pins and #12-24 screws are embedded in 3/16" structural steel
- 8) Torsional effects are considered on screw group for F3 allowable loads
- 9) Use a linear interaction equation for connections involving any combination of F1, F2, and F3.

