

FastClip™ Slide Clip**Curtain Wall/Bypass****Vertical building movement up to 3" (1-1/2" up and 1-1/2" down)**

ClarkDietrich FCSC deflection clips are used to attach exterior curtain wall studs to the building structure and provide for vertical building movement independent of the cold-formed steel framing. A ClarkDietrich FastClip™ deflection clip installs quickly with screws or powder-actuated fasteners, and provides adjustable standoff to ensure a plumb wall plane. Proprietary Deflection Screws are provided with each clip to ensure friction-free sliding. Each clip is also embossed with fastening patterns to ensure accurate placement of fasteners.

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

PRODUCT DIMENSIONS

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

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

ALTERNATIVE PRODUCTS

Fast Strut™

Flat Tail™ Slide Clip

FastClip™ Slide Clip HD

Universal Bypass Clip

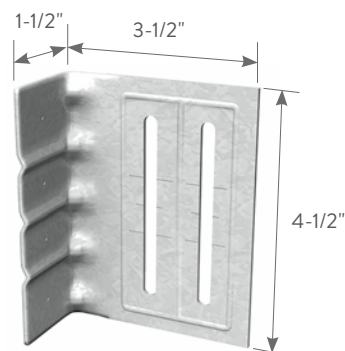
CODE APPROVALS AND PERFORMANCE STANDARDS

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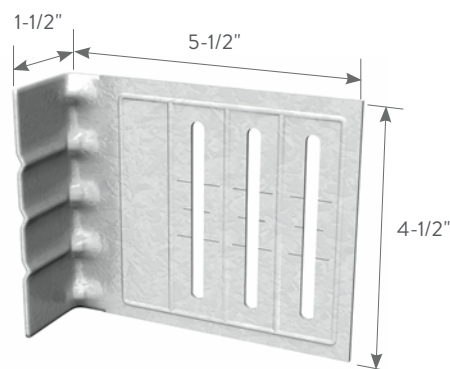
AISI S100

INSTALLATION

Connections to the building can be made with screws, powder-actuated fasteners or drill-in concrete anchors. Mechanical fasteners shall be located on the embossed marks given on the scored line of the 1-1/2" flange. Two or three Proprietary Deflection Screws (based upon clip size) are used to attach the clip to the cold-formed steel framing. Screws shall be driven through the slotted holes and positioned to allow for the appropriate building deflection.



FastClip Slide Clip (3-1/2")



FastClip Slide Clip (5-1/2")



Proprietary Deflection Screw



Proprietary HD Deflection Screw
(10ga and 12ga Clips Only)

FastClip™ Slide Clips (FCSC)

Clip Designation	Product Thickness		Size (in)	Packaging Pcs./Carton
	mils (ga)	Design Thickness (in)		
FCSC3.5-68	68 (14)	0.0713	1-1/2 x 3-1/2 x 4-1/2	25
FCSC5.5-68	68 (14)	0.0713	1-1/2 x 5-1/2 x 4-1/2	25
FCSC5.5-97	97 (12)	0.1017	1-1/2 x 5-1/2 x 4-1/2	25

3-1/2" FCSC includes 55 Proprietary Deflection Screws per carton.
5-1/2" FCSC includes 80 Proprietary Deflection Screws for 14ga clip and 80 Proprietary HD Deflection Screw for 12ga clip per carton.

Intertek CCRR-0208
U.S. Patent No. 6,688,069



Location Options with (2) Anchors



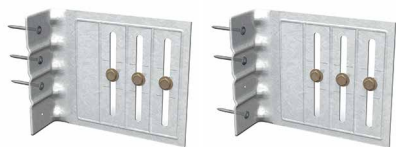
Location Options with (3) Anchors



(4) Anchors



Location Options with (2) Anchors



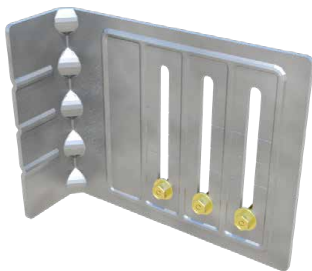
Location Options with (3) Anchors



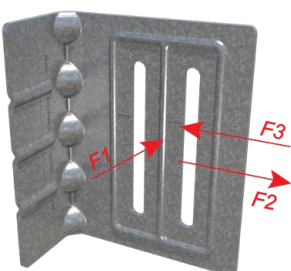
(4) Anchors



FRAMING CENTERED CONNECTION



FRAMING OFFSET CONNECTION



FastClip™ Slide Clip - 12ga

ATTACHMENT TO STRUCTURE: DESIGNED BY OTHERS

Clip Designation	Framing Member Details			Load Capacities (lbs)										
				In-Plane (F1)			Tension (F2)				Compression (F3)			
	Depth (in)	Max. Standoff (in)	Thickness mils (ga)	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FCSC5.5-97	6	2	33 (20)	260	90	145	1520	1825	610	910	1540	1825	610	910
			43 (18)	425	145	215	1740	2625	905	1360	1840	2485	905	1360
			54 (16)	660	225	365	1915	3635	1250	2000	1975	3530	1810	2755
			68 (14)	985	330	490	2005	4200	1550	2325	1975	3745	1925	3075
			97 (12)	1240	425	680	2025	4200	1550	2325	2680	4035	2070	3315

Notes:

- Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20 and ICC-ES AC261.
- FastClip attachment to structure designed by others. Listed capacities are applicable for FastClip to stud only (framing connection).
- Proprietary HD Deflection Screws (0.25" dia) used to attach clips to framing members through the provided slotted holes. Listed capacities applicable for screws centered and off-centered/offset FastClip slots for framing connection.
- The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100.
- The Proprietary HD Deflection Screws (0.25" dia) provide nominal shear capacity of 2400lbs and a nominal tension capacity of 4060lbs.
- ASD and LRFD loads are based on nominal capacities only. 1/8" service loads are listed in a separate column. Designer shall use governing loads based on 1/8" service and strength.
- It is the responsibility of the design professional to detail the project drawings for proper FastClip installation.
- Other framing members may be used with these clips; however, it is the responsibility of the design professional to verify the framing members' capacities and potential failure modes.

ATTACHMENT TO STRUCTURE: #12 SCREWS TO 3/16" STEEL

Clip Designation	Stud Thickness / Yield Strength mils (ga) ksi	Max. Standoff (in)	Mechanically Anchored to Structure	Load Capacities (lbs) / Clip										
				In-Plane (F1)			Tension (F2)			Compression (F3)				
				Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FCSC5.5-97	33 (20) 33	2	2	260	90	145	1520	1825	610	910	1540	1825	610	910
			3	260	90	145	1520	1825	610	910	1540	1825	610	910
			4	260	90	145	1520	1825	610	910	1540	1825	610	910
	43 (18) 33	2	2	425	145	215	1740	2325	775	1165	1840	2325	775	1165
			3	425	145	215	1740	2625	905	1360	1840	2485	905	1360
			4	425	145	215	1740	2625	905	1360	1840	2485	905	1360
	54 (16) 50	2	2	660	225	365	1915	2325	775	1165	1975	2325	775	1165
			3	660	225	365	1915	3370	1125	1685	1975	3490	1165	1745
			4	660	225	365	1915	3635	1250	1925	1975	3530	1550	2325
	68 (14) 50	2	2	985	330	490	2005	2325	775	1165	1975	2325	775	1165
			3	985	330	490	2005	3370	1125	1685	1975	3490	1165	1745
			4	985	330	490	2005	3855	1285	1925	1975	3745	1550	2325
	97 (12) 50	2	2	1130	425	680	2025	2325	775	1165	2325	2325	775	1165
			3	1130	425	680	2025	3370	1125	1685	2680	3490	1165	1745
			4	1130	425	680	2025	3855	1285	1925	2680	4035	1550	2325

Notes:

- Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20 and ICC-ES AC261.
- Tabulated load capacities are based on the following considerations:
 - Framing Connection: Proprietary HD Deflection Screws (0.25" dia)
 - Connection to Structure: #12 HWH Fasteners connected to 3/16" thick ASTM A36 Steel (see illustrations for base fastener locations)
 - Other fasteners may be used to achieve full clip capacity but must be designed separately.
- Listed capacities have not been increased for wind, seismic, or other factors.
- ASD and LRFD loads are based on nominal capacities only. 1/8" service loads are listed in a separate column. Designer shall use governing loads based on 1/8" service and strength.
- Proprietary HD Deflection Screws (0.25" dia) used to attach clips to framing members through the provided slotted holes. Listed capacities applicable for screws centered and off-centered/offset FastClip slots for framing connection.
- The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100.
- The #12 HWH Fasteners shall have a minimum nominal shear capacity of 2000lbs and minimum nominal tension capacity of 2778lbs according to ESR-1976 and manufacturer limits.
- The Proprietary HD Deflection Screws (0.25" dia) provide nominal shear capacity of 2400lbs and a nominal tension capacity of 4060lbs.
- Nominal capacities are listed for use in blast/seismic designs and they do not assume a safety factor or resistance factor.
- It is the responsibility of the design professional to detail the project drawings for proper FastClip installation.

ATTACHMENT TO STRUCTURE: WELD TO 3/16" STEEL

Clip Designation	Stud Thickness / Yield Strength mils (ga) ksi	Max. Standoff (in)	Mechanically Anchored to Structure	Load Capacities (lbs) / Clip										
				In-Plane (F1)			Tension (F2)			Compression (F3)				
				Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FCSC5.5-97	33 (20) 33	2	(2) 1.25" Welds - along sides of short leg (weld starts from clip bend)	260	90	145	—	1825	610	910	—	1825	610	910
	43 (18) 33			425	145	215	—	2625	905	1360	—	2485	905	1360
	54 (16) 50			660	225	365	—	3285	1130	1700	—	3530	1810	2755
	68 (14) 50			985	330	490	—	3285	1130	1700	—	3745	1925	3075
	97 (12) 50			1130	425	680	—	3285	1130	1700	—	4035	2070	3315

Notes:

- 1 Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20 and ICC-ES AC261.
- 2 Tabulated load capacities are based on the following considerations:
 - a. Framing Connection: Proprietary HD Deflection Screws (0.25" dia)
 - b. Connection to Structure: (2) 1-1/4" long Fillet Welds along sides of the structural connection leg for FCSC.
 - c. Listed capacities have not been increased for wind, seismic, or other factors.
 - d. E70XX (min) electrode Weld.
- 3 ASD and LRFD loads are based on nominal capacities only. Nominal capacities are listed for use in blast/seismic designs and they do not assume a safety factor or resistance factor.
- 4 Proprietary HD Deflection Screws (0.25" dia) used to attach clips to framing members through the provided slotted holes. Listed capacities applicable for screws centered and off-centered offset FastClip slots for framing connection.
- 5 The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100.
- 6 The Proprietary HD Deflection Screws (0.25" dia) provide nominal shear capacity of 2400lbs and a nominal tension capacity of 4060lbs.
- 7 It is the responsibility of the design professional to detail the project drawings for proper FastClip installation.



ATTACHMENT TO STRUCTURE: 0.157" HILTI X-U PINS TO 3/16" STEEL

Clip Designation	Stud Thickness / Yield Strength mils (ga) ksi	Max. Standoff (in)	Mechanically Anchored to Structure	Load Capacities (lbs) / Clip										
				In-Plane (F1)			Tension (F2)				Compression (F3)			
				Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FCSC5.5-97	33 (20) 33	2	2	260	90	145	1520	1825	610	910	1540	1825	610	910
			3	260	90	145	1520	1825	610	910	1540	1825	610	910
			4	260	90	145	1520	1825	610	910	1540	1825	610	910
	43 (18) 33	2	2	425	145	215	1740	2400	800	1200	1840	2485	905	1360
			3	425	145	215	1740	2625	905	1360	1840	2485	905	1360
			4	425	145	215	1740	2625	905	1360	1840	2485	905	1360
	54 (16) 50	2	2	660	225	365	1915	2400	800	1200	1975	3000	1000	1500
			3	660	225	365	1915	3000	1000	1500	1975	3530	1500	2250
			4	660	225	365	1915	3430	1145	1715	1975	3530	1810	2755
	68 (14) 50	2	2	985	330	490	2005	2400	800	1200	1975	3000	1000	1500
			3	985	330	490	2005	3000	1000	1500	1975	3745	1500	2250
			4	985	330	490	2005	3430	1145	1715	1975	3745	1925	3000
	97 (12) 50	2	2	1130	425	680	2025	2400	800	1200	2680	3000	1000	1500
			3	1130	425	680	2025	3000	1000	1500	2680	4035	1500	2250
			4	1130	425	680	2025	3430	1145	1715	2680	4035	2000	3000

Notes:

- 1 Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20, ICC-ES AC261 and ESR 2269.
- 2 Tabulated load capacities are based on the following considerations:
 - a. Framing Connection: Proprietary HD Deflection Screws (0.25" dia)
 - b. Connection to Structure: 0.157" Hilti X-U Pins connected to 3/16" thick ASTM A36 Steel (see illustrations for base fastener locations).
 - c. Other fasteners may be used to achieve full clip capacity but must be designed separately.
 - d. Listed capacities have not been increased for wind, seismic, or other factors.
- 3 ASD and LRFD loads are based on nominal capacities only. 1/8" service loads are listed in a separate column. Designer shall use governing loads based on 1/8" service and strength.
- 4 Proprietary HD Deflection Screws (0.25" dia) used to attach clips to framing members through the provided slotted holes. Listed capacities applicable for screws centered and off-centered/offset FastClip slots for framing connection.
- 5 The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100 and ESR2269.
- 6 The Proprietary HD Deflection Screws (0.25" dia) provide nominal shear capacity of 2400lbs and a nominal tension capacity of 4060lbs.
- 7 The Hilti X-U Pin shall have a minimum nominal shear capacity of 3939lbs and minimum nominal tension capacity of 2872lbs according to Hilti Fastening Technical Guide, Edition 2024.
- 8 Hilti is a registered trademark of Hilti Aktiengesellschaft Corporation.
- 9 It is the responsibility of the design professional to detail the project drawings for proper FastClip installation.

FastClip™ Slide Clip - 14ga

ATTACHMENT TO STRUCTURE: DESIGNED BY OTHERS

Clip Designation	Framing Member Details			Load Capacities (lbs)										
				In-Plane (F1)			Tension (F2)				Compression (F3)			
	Stud Depth (in)	Max. Standoff (in)	Thickness mils (ga)	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FCSC3.5-68	3-5/8	1	33 (20)	320	110	165	885	1085	375	600	895	1215	405	610
			43 (18)	430	145	215	1135	1400	480	770	900	1705	605	905
			54 (16)	690	235	380	1225	1795	620	990	1475	2490	1225	1840
			68 (14)	760	260	420	1225	2255	775	1240	1585	2750	1415	2260
			97 (12)	760	260	420	1245	2410	830	1330	1585	2905	1490	2385
FCSC5.5-68	6	2	33 (20)	325	110	165	875	1735	595	910	1225	1730	610	910
			43 (18)	385	135	215	970	2215	765	1220	1305	1745	895	1360
			54 (16)	655	225	360	1020	3025	1040	1665	1340	1955	1005	1610
			68 (14)	655	225	360	1065	3755	1295	2070	1540	2075	1065	1705
			97 (12)	715	245	395	1070	4120	1420	2270	1540	2130	1095	1750

Notes:

- 1 Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20 and ICC-ES AC261.
- 2 FastClip attachment to structure designed by others. Listed capacities are applicable for FastClip to stud only (framing connection).
- 3 Proprietary Deflection Screws (0.25" dia) used to attach clips to framing members through the provided slotted holes. Listed capacities applicable for screws centered and off-centered/offset FastClip slots for framing connection.
- 4 The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100.
- 5 The Proprietary Deflection Screws (0.25" dia) provide nominal shear capacity of 2400lbs and a nominal tension capacity of 4060lbs.
- 6 ASD and LRFD loads are based on nominal capacities only. 1/8" service loads are listed in a separate column. Designer shall use governing loads based on 1/8" service and strength.
- 7 It is the responsibility of the design professional to detail the project drawings for proper FastClip installation.
- 8 Other framing members may be used with these clips; however, it is the responsibility of the design professional to verify the framing members' capacities and potential failure modes.

ATTACHMENT TO STRUCTURE: #12 SCREWS TO 3/16" STEEL

Clip Designation	Stud Thickness / Yield Strength / mils (ga) ksi	Max. Standoff (in)	Mechanically Anchored to Structure	Load Capacities (lbs) / Clip										
				In-Plane (F1)			Tension (F2)				Compression (F3)			
				Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FCSC3.5-68	33 (20) 33	1	2	320	110	165	885	1085	375	600	895	1215	405	610
			3	320	110	165	885	1085	375	600	895	1215	405	610
			4	320	110	165	885	1085	375	600	895	1215	405	610
	43 (18) 33	1	2	430	145	215	1135	1400	480	770	900	1705	605	905
			3	430	145	215	1135	1400	480	770	900	1705	605	905
			4	430	145	215	1135	1400	480	770	900	1705	605	905
	54 (16) 50	1	2	690	235	380	1225	1795	620	945	1475	2325	775	1165
			3	690	235	380	1225	1795	620	990	1475	2490	1165	1745
			4	690	235	380	1225	1795	620	990	1475	2490	1225	1840
	68 (14) 50	1	2	760	260	420	1225	1890	630	945	1585	2325	775	1165
			3	760	260	420	1225	2255	775	1180	1585	2750	1165	1745
			4	760	260	420	1225	2255	775	1240	1585	2750	1415	2260
FCSC5.5-68	33 (20) 33	2	2	325	110	165	875	1735	595	910	1225	1730	610	910
			3	325	110	165	875	1735	595	910	1225	1730	610	910
			4	325	110	165	875	1735	595	910	1225	1730	610	910
	43 (18) 33	2	2	385	135	215	970	1890	630	945	1305	1745	775	1165
			3	385	135	215	970	2215	765	1180	1305	1745	895	1360
			4	385	135	215	970	2215	765	1220	1305	1745	895	1360
	54 (16) 50	2	2	655	225	360	1020	1890	630	945	1340	1955	775	1165
			3	655	225	360	1020	2365	790	1180	1340	1955	1005	1610
			4	655	225	360	1020	2700	900	1350	1340	1955	1005	1610
	68 (14) 50	2	2	655	225	360	1065	1890	630	945	1540	2075	775	1165
			3	655	225	360	1065	2365	790	1180	1540	2075	1065	1705
			4	655	225	360	1065	2700	900	1350	1540	2075	1065	1705
	97 (12) 50	2	2	715	245	395	1070	1890	630	945	1540	2130	775	1165
			3	715	245	395	1070	2365	790	1180	1540	2130	1095	1745
			4	715	245	395	1070	2700	900	1350	1540	2130	1095	1750

Notes:

- Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20 and ICC-ES AC261.
- Tabulated load capacities are based on the following considerations:
 - Framing Connection: Proprietary Deflection Screws (0.25" dia)
 - Connection to Structure: #12 HWH Fasteners connected to 3/16" thick ASTM A36 Steel (see illustrations for base fastener locations)
 - Other fasteners may be used to achieve full clip capacity but must be designed separately.
 - Listed capacities have not been increased for wind, seismic, or other factors.
- ASD and LRFD loads are based on nominal capacities only. 1/8" service loads are listed in a separate column. Designer shall use governing loads based on 1/8" service and strength.
- Proprietary Deflection Screws (0.25" dia) used to attach clips to framing members through the provided slotted holes. Listed capacities applicable for screws centered and off-centered/offset FastClip slots for framing connection.
- The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100.
- The #12 HWH Fasteners shall have a minimum nominal shear capacity of 2000lbs and minimum nominal tension capacity of 2778lbs according to ESR-1976 and manufacturer limits.
- The Proprietary Deflection Screws (0.25" dia) provide nominal shear capacity of 2400lbs and a nominal tension capacity of 4060lbs.
- Nominal capacities are listed for use in blast/seismic designs and they do not assume a safety factor or resistance factor.
- It is the responsibility of the design professional to detail the project drawings for proper FastClip installation.

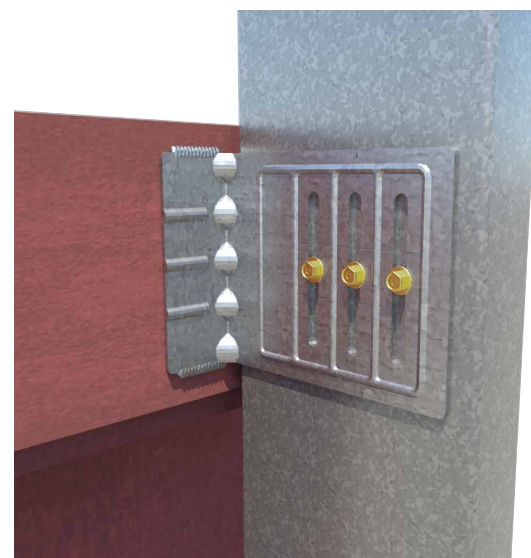
FastClip™ Slide Clip - 14ga

ATTACHMENT TO STRUCTURE: **WELD TO 3/16" STEEL**

Clip Designation	Stud Thickness / Yield Strength mils (ga) ksi	Max. Standoff (in)	Mechanically Anchored to Structure	Load Capacities (lbs) / Clip										
				In-Plane (F1)			Tension (F2)			Compression (F3)				
				Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FCSC3.5-68	33 (20) 33	1	(2) 1.25" Welds - along sides of short leg (weld starts from clip bend)	320	110	165	—	1085	375	600	—	1215	405	610
	43 (18) 33			430	145	215	—	1400	480	770	—	1705	605	905
	54 (16) 50			690	235	380	—	1795	620	990	—	2490	1225	1840
	68 (14) 50			760	260	420	—	2255	775	1190	—	2750	1415	2260
	97 (12) 50			760	260	420	—	2295	790	1190	—	2905	1490	2385
FCSC5.5-68	33 (20) 33	2		325	110	165	—	1735	595	910	—	1730	610	910
	43 (18) 33			385	135	215	—	2215	765	1190	—	1745	895	1360
	54 (16) 50			655	225	360	—	2295	790	1190	—	1955	1005	1610
	68 (14) 50			655	225	360	—	2295	790	1190	—	2075	1065	1705
	97 (12) 50			715	245	395	—	2295	790	1190	—	2130	1095	1750

Notes:

- 1 Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20 and ICC-ES AC261.
- 2 Tabulated load capacities are based on the following considerations:
 - a. Framing Connection: Proprietary Deflection Screws (0.25" dia)
 - b. Connection to Structure: (2) 1-1/4" long Fillet Welds along sides of the structural connection leg for FCSC.
 - c. Listed capacities have not been increased for wind, seismic, or other factors.
 - d. E70XX (min) electrode Weld.
- 3 ASD and LRFD loads are based on nominal capacities only. Nominal capacities are listed for use in blast/seismic designs and they do not assume a safety factor or resistance factor.
- 4 Proprietary Deflection Screws (0.25" dia) used to attach clips to framing members through the provided slotted holes. Listed capacities applicable for screws centered and off-centered/offset FastClip slots for framing connection.
- 5 The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100.
- 6 The Proprietary Deflection Screws (0.25" dia) provide nominal shear capacity of 2400lbs and a nominal tension capacity of 4060lbs.
- 7 It is the responsibility of the design professional to detail the project drawings for proper FastClip installation.



ATTACHMENT TO STRUCTURE: 0.157" HILTI X-U PINS TO 3/16" STEEL

Clip Designation	Stud Thickness / Yield Strength mils (ga) ksi	Max. Standoff (in)	Mechanically Anchored to Structure	Load Capacities (lbs) / Clip										
				In-Plane (F1)			Tension (F2)				Compression (F3)			
				Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FCSC3.5-68	33 (20) 33	1	2	320	110	165	885	1085	375	600	895	1215	405	610
			3	320	110	165	885	1085	375	600	895	1215	405	610
			4	320	110	165	885	1085	375	600	895	1215	405	610
	43 (18) 33		2	430	145	215	1135	1400	480	770	900	1705	605	905
			3	430	145	215	1135	1400	480	770	900	1705	605	905
			4	430	145	215	1135	1400	480	770	900	1705	605	905
	54 (16) 50		2	690	235	380	1225	1790	595	895	1475	2240	745	1120
			3	690	235	380	1225	1795	620	990	1475	2490	1120	1680
			4	690	235	380	1225	1795	620	990	1475	2490	1225	1840
	68 (14) 50		2	760	260	420	1225	1790	595	895	1585	2240	745	1120
			3	760	260	420	1225	2240	745	1120	1585	2750	1120	1680
			4	760	260	420	1225	2255	775	1240	1585	2750	1415	2240
97 (12) 50	2	760	260	420	1245	1790	595	895	1585	2240	745	1120		
	3	760	260	420	1245	2240	745	1120	1585	2905	1120	1680		
	4	760	260	420	1245	2410	830	1280	1585	2905	1490	2240		
FCSC5.5-68	33 (20) 33	2	2	325	110	165	875	1735	595	895	1225	1730	610	910
			3	325	110	165	875	1735	595	910	1225	1730	610	910
			4	325	110	165	875	1735	595	910	1225	1730	610	910
	43 (18) 33		2	385	135	215	970	1790	595	895	1305	1745	745	1120
			3	385	135	215	970	2215	745	1120	1305	1745	895	1360
			4	385	135	215	970	2215	765	1220	1305	1745	895	1360
	54 (16) 50		2	655	225	360	1020	1790	595	895	1340	1955	745	1120
			3	655	225	360	1020	2240	745	1120	1340	1955	1005	1610
			4	655	225	360	1020	2560	855	1280	1340	1955	1005	1610
	68 (14) 50		2	655	225	360	1065	1790	595	895	1540	2075	745	1120
			3	655	225	360	1065	2240	745	1120	1540	2075	1065	1680
			4	655	225	360	1065	2560	855	1280	1540	2075	1065	1705
97 (12) 50	2	715	245	395	1070	1790	595	895	1540	2130	745	1120		
	3	715	245	395	1070	2240	745	1120	1540	2130	1095	1680		
	4	715	245	395	1070	2560	855	1280	1540	2130	1095	1750		

Notes:

- 1 Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20, ICC-ES AC261 and ESR 2269.
- 2 Tabulated load capacities are based on the following considerations:

a. Framing Connection: Proprietary Deflection Screws (0.25" dia)

b. Connection to Structure: 0.157" Hilti X-U Pins connected to 3/16" thick ASTM A36 Steel (see illustrations for base fastener locations).

c. Other fasteners may be used to achieve full clip capacity but must be designed separately.

d. Listed capacities have not been increased for wind, seismic, or other factors.
- 3 ASD and LRFD loads are based on nominal capacities only. 1/8" service loads are listed in a separate column. Designer shall use governing loads based on 1/8" service and strength.
- 4 Proprietary Deflection Screws (0.25" dia) used to attach clips to framing members through the provided slotted holes. Listed capacities applicable for screws centered and off-centered/offset FastClip slots for framing connection.
- 5 The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100 and ESR2269.
- 6 The Proprietary Deflection Screws (0.25" dia) provide nominal shear capacity of 2400lbs and a nominal tension capacity of 4060lbs.
- 7 The Hilti X-U Pin shall have a minimum nominal shear capacity of 3939lbs and minimum nominal tension capacity of 2872lbs according to Hilti Fastening Technical Guide, Edition 2024.
- 8 Hilti is a registered trademark of Hilti Aktiengesellschaft Corporation.
- 9 It is the responsibility of the design professional to detail the project drawings for proper FastClip installation.