

Fixed Universal Slip Clip

Ideal for curtain wall/bypass conditions

The clips are available in standard lengths of 6" and 8" in 12 and 10 gauge. They are ideal for curtain wall/bypass conditions. FUS clips install quickly and provide adjustable standoff to ensure a plumb wall plane.

- Eliminates shims and scabs.
- Fast, one-piece universal installation. No left- or right-handed clips.
- Can be used in applications where significantly higher capacities are required.

PRODUCT DIMENSIONS

Lengths: 6" or 8"

MATERIAL SPECIFICATIONS

Gauge: 12 gauge (97mils)

Design Thickness: 0.1017 inches

Gauge: 10 gauge (118mils)

Design Thickness: 0.1242 inches

Coating: G90

Yield Strength: 50ksi

CODE APPROVALS AND PERFORMANCE STANDARDS

IAPMO ER-729

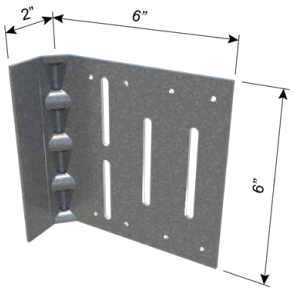
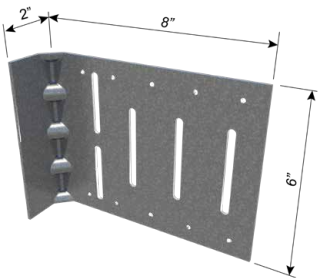
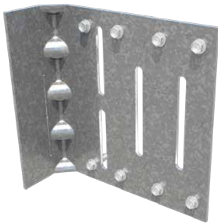
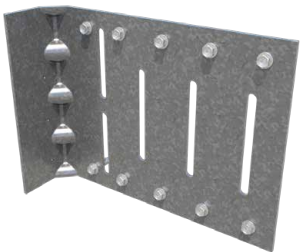
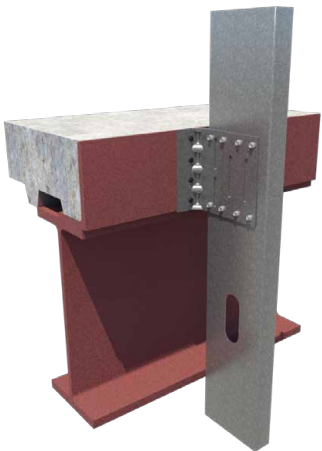
AISI S100

INSTALLATION

Connections to the building can be made with screws, welds, powder-actuated fasteners. Mechanical fasteners shall be located on the embossed marks given on the scored line of the 2" flange. Attach building anchors to the structure according to the manufacturer's instructions. Anchors shall be installed through the embossments on the scored line of the clip as shown on the attached drawings. In no case shall anchors be installed more than 3/4" from the bend on the short leg of the clip. In cases of discrepancy between this information and the Design Engineer's details, the Design Engineer's details shall be followed.

For a Rigid Connection:

Attach the FUS clip to cold-formed steel framing members using (4) or (8) #12 screws (not included) for the FUS6 clip and (6) or (10) #12 self-drilling screws (not included) for the FUS8 clip through the clip holes into the steel framing. For a rigid connection, screws should not be installed in any of the slotted holes.



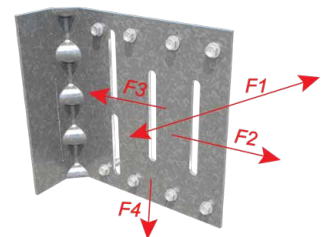
Fixed Universal Slip Clip (FUS6, FUS8)				
Clip Designation	Thickness		Clip Length (in)	Packaging Pcs./Box
	mils (ga)	Design Thickness (in)		
FUS6-97	97 (12)	0.1017	6	10
FUS8-97			8	10
FUS6-118	118 (10)	0.1242	6	10
FUS8-118			8	10

ATTACHMENT TO STRUCTURE: DESIGNED BY OTHERS

Clip Designation	Framing Member Details			Load Capacities (lbs)														
	Stud Depth	No. of Screws to Framing	Stud Thickness mils (ga)	In-Plane (F1)			Tension (F2)				Compression (F3)				Shear (F4)			
				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	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FUS6-97	6	4	33 (20)	420	140	225	3050	2260	755	1130	3005	2260	755	1130	3095	1140	380	570
			43 (18)	625	215	345	3530	3365	1120	1685	3385	3365	1120	1685	3625	1695	565	845
			54 (16)	990	340	545	3530	6835	2280	3415	4485	6265	2155	3415	4410	3440	1145	1720
			68 (14)	1315	445	710	3530	8000	2665	4000	4870	7600	2615	4000	6635	4025	1340	2015
			97 (12)	2280	785	1215	3530	8000	2665	4000	5525	8000	2665	4000	7375	4025	1340	2015
FUS6-97	6	8	33 (20)	420	140	225	3050	4525	1510	2260	3005	3565	1510	2260	3095	2050	685	1025
			43 (18)	625	215	345	3530	6730	2245	3365	3385	4380	2245	3365	3625	3050	1015	1525
			54 (16)	990	340	545	3530	8480	2920	4475	4485	6265	2155	3450	4410	6190	2065	3095
			68 (14)	1315	445	710	3530	8905	2985	4475	4870	7600	2615	4185	6635	7245	2415	3625
			97 (12)	2280	785	1215	3530	8950	2985	4475	5525	12720	4375	7005	7375	7245	2415	3625
FUS8-97	8	6	33 (20)	395	135	220	3265	3390	1130	1695	3445	3390	1130	1695	1490	1215	405	605
			43 (18)	610	210	335	3510	5050	1685	2525	3850	4840	1685	2525	2940	1810	605	905
			54 (16)	1080	370	595	3530	8765	2985	4475	5030	6670	2295	3675	3695	3670	1225	1835
			68 (14)	1395	470	750	3530	8950	2985	4475	5415	7700	2650	4240	5970	4300	1435	2150
			97 (12)	2425	810	1215	3530	8925	2985	4475	6420	12000	4000	6000	6035	4300	1435	2150
FUS8-97	8	10	33 (20)	395	135	220	3265	5655	1885	2825	3445	4240	1885	2825	1490	1860	620	930
			43 (18)	610	210	335	3510	8190	2805	4205	3850	4840	2485	3980	2940	2765	920	1385
			54 (16)	1080	370	595	3530	8765	2985	4475	5030	6670	2295	3675	3695	5620	1875	2810
			68 (14)	1395	470	750	3530	8950	2985	4475	5415	7700	2650	4240	5970	6580	2195	3290
			97 (12)	2425	810	1215	3530	8925	2985	4475	6420	12460	4290	6860	6035	6580	2195	3290
FUS6-118	6	4	33 (20)	420	140	225	3605	2260	755	1130	3005	2260	755	1130	3925	1140	380	570
			43 (18)	655	225	360	4055	3365	1120	1685	4685	3365	1120	1685	4350	1695	565	845
			54 (16)	1025	350	565	4905	6835	2280	3415	5510	6835	2280	3415	7380	3440	1145	1720
			68 (14)	1370	470	755	4865	8000	2665	4000	5835	8000	2665	4000	7690	4025	1340	2015
			97 (12)	2285	785	1215	5590	8000	2665	4000	6460	8000	2665	4000	7690	4025	1340	2015
FUS6-118	6	8	33 (20)	420	140	225	3605	4525	1510	2260	3005	3565	1510	2260	3925	2050	685	1025
			43 (18)	655	225	360	4055	6730	2245	3365	4685	5805	2245	3365	4350	3050	1015	1525
			54 (16)	1025	350	565	4905	8950	2985	4475	5510	8240	2835	4535	7380	6190	2065	3095
			68 (14)	1370	470	755	4865	8950	2985	4475	5835	9505	3270	5235	7690	7245	2415	3625
			97 (12)	2285	785	1215	5590	8950	2985	4475	6460	14050	4835	7740	7690	7245	2415	3625
FUS8-118	8	6	33 (20)	395	135	220	3740	3390	1130	1695	3445	3390	1130	1695	1750	1215	405	605
			43 (18)	625	215	345	4035	5050	1685	2525	4985	5050	1685	2525	3910	1810	605	905
			54 (16)	1070	370	590	4890	8950	2985	4475	6845	8615	2965	4745	8075	3670	1225	1835
			68 (14)	1455	500	800	5320	8950	2985	4475	7480	9910	3410	5460	7370	4300	1435	2150
			97 (12)	2425	810	1215	5550	8950	2985	4475	8985	12000	4000	6000	7370	4300	1435	2150
FUS8-118	8	10	33 (20)	395	135	220	3740	5655	1885	2825	3445	4240	1885	2825	1750	1860	620	930
			43 (18)	625	215	345	4035	8415	2805	4205	4985	6640	2805	4205	3910	2765	920	1385
			54 (16)	1070	370	590	4890	8950	2985	4475	6845	8615	2965	4745	8075	5620	1875	2810
			68 (14)	1455	500	800	5320	8950	2985	4475	7480	9910	3410	5460	7370	6580	2195	3290
			97 (12)	2425	810	1215	5550	8950	2985	4475	8985	13720	4725	7555	7370	6580	2195	3290

Notes:

- Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20, AISI D114, and ICC-ES AC261.
- FUS attachment to structure designed by others. Listed capacities are applicable for FUS to stud only (framing connection).
- Tabulated loads are based on maximum stud standoff distance of 1" from base structure.
- #12 Screws (0.216" dia) were used to attach clips to framing members through the provided clip holes.
- The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100.
- The #12 screws provide nominal shear capacity of 2000lbs and a nominal tension capacity of 2778lbs.
- 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.
- 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 FUS 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.



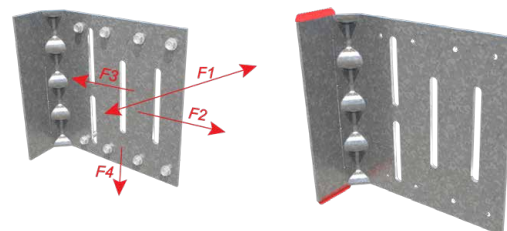
Fixed Universal Slip Clip

ATTACHMENT TO STRUCTURE: WELD TO 3/16" STEEL

Clip Designation	Framing Member Details		Mechanically Anchored to Structure	Load Capacities (lbs) / Clip															
	Thickness mils (ga)	No. of Screws to Framing		In-Plane (F1)				Tension (F2)				Compression (F3)				Shear (F4)			
				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	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	
FUS6-97	33 (20)	4	(2) 1.5" Welds - along short leg (see illustration)	420	140	225	3050	1810	755	1130	3005	2260	755	1130	3095	1140	380	570	
	43 (18)			625	215	345	3685	1810	905	1360	3385	3365	1120	1685	3625	1695	565	845	
	54 (16)			695	340	520	3855	1810	905	1360	4485	6265	2155	3415	4410	3440	1145	1720	
	68 (14)			695	350	520	4130	1810	905	1360	4870	7600	2615	4000	6635	4025	1340	2015	
	97 (12)			695	350	520	4590	1810	905	1360	5525	8000	2665	4000	7375	4025	1340	2015	
FUS6-97	33 (20)	8		420	140	225	3050	1810	905	1360	3005	3565	1510	2260	3095	2050	685	1025	
	43 (18)			625	215	345	3685	1810	905	1360	3385	4380	2245	3365	3625	3050	1015	1525	
	54 (16)			695	340	520	3855	1810	905	1360	4485	6265	2155	3450	4410	5870	2065	3095	
	68 (14)			695	350	520	4130	1810	905	1360	4870	7600	2615	4185	6635	5870	2415	3625	
	97 (12)			695	350	520	4590	1810	905	1360	5525	12720	4375	7005	7375	5870	2415	3625	
FUS8-97	33 (20)	6		395	135	220	3265	1810	905	1360	3445	3390	1130	1695	1490	1215	405	605	
	43 (18)			530	210	335	3510	1810	905	1360	3850	4840	1685	2525	2940	1810	605	905	
	54 (16)			530	265	400	3955	1810	905	1360	5030	6670	2295	3675	3695	3670	1225	1835	
	68 (14)			530	265	400	4260	1810	905	1360	5415	7700	2650	4240	5970	4300	1435	2150	
	97 (12)			530	265	400	4285	1810	905	1360	6420	12000	4000	6000	6035	4300	1435	2150	
FUS8-97	33 (20)	10		395	135	220	3265	1810	905	1360	3445	4240	1885	2825	1490	1860	620	930	
	43 (18)			530	210	335	3510	1810	905	1360	3850	4840	2485	3980	2940	2765	920	1385	
	54 (16)			530	265	400	3955	1810	905	1360	5030	6670	2295	3675	3695	5100	1875	2810	
	68 (14)			530	265	400	4260	1810	905	1360	5415	7700	2650	4240	5970	5100	2195	3290	
	97 (12)			530	265	400	4285	1810	905	1360	6420	12460	4290	6860	6035	5100	2195	3290	
FUS6-118	33 (20)	4		420	140	225	3605	2210	755	1130	3005	2260	755	1130	3925	1140	380	570	
	43 (18)			655	225	360	4055	2210	1105	1660	4685	3365	1120	1685	4350	1695	565	845	
	54 (16)			850	350	565	4905	2210	1105	1660	5510	6835	2280	3415	7380	3440	1145	1720	
	68 (14)			850	425	640	4865	2210	1105	1660	5835	8000	2665	4000	7690	4025	1340	2015	
	97 (12)			850	425	640	5590	2210	1105	1660	6460	8000	2665	4000	7690	4025	1340	2015	
FUS6-118	33 (20)	8		420	140	225	3605	2210	1105	1660	3005	3565	1510	2260	3925	2050	685	1025	
	43 (18)			655	225	360	4055	2210	1105	1660	4685	5805	2245	3365	4350	3050	1015	1525	
	54 (16)			850	350	565	4905	2210	1105	1660	5510	8240	2835	4535	7380	6190	2065	3095	
	68 (14)			850	425	640	4865	2210	1105	1660	5835	9505	3270	5235	7690	7170	2415	3625	
	97 (12)			850	425	640	5590	2210	1105	1660	6460	14050	4835	7740	7690	7170	2415	3625	
FUS8-118	33 (20)	6		395	135	220	3740	2210	1105	1660	3445	3390	1130	1695	1750	1215	405	605	
	43 (18)			625	215	345	4035	2210	1105	1660	4985	5050	1685	2525	3910	1810	605	905	
	54 (16)			650	325	490	4890	2210	1105	1660	6845	8615	2965	4745	8075	3670	1225	1835	
	68 (14)			650	325	490	5320	2210	1105	1660	7480	9910	3410	5460	7370	4300	1435	2150	
	97 (12)			650	325	490	5550	2210	1105	1660	8985	12000	4000	6000	7370	4300	1435	2150	
FUS8-118	33 (20)	10		395	135	220	3740	2210	1105	1660	3445	4240	1885	2825	1750	1860	620	930	
	43 (18)			625	215	345	4035	2210	1105	1660	4985	6640	2805	4205	3910	2765	920	1385	
	54 (16)			650	325	490	4890	2210	1105	1660	6845	8615	2965	4745	8075	5620	1875	2810	
	68 (14)			650	325	490	5320	2210	1105	1660	7480	9910	3410	5460	7370	6225	2195	3290	
	97 (12)			650	325	490	5550	2210	1105	1660	8985	13720	4725	7555	7370	6225	2195	3290	

Notes:

- Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20, AISI D114, and ICC-ES AC261.
- Tabulated load capacities are based on the following considerations:
 - Framing connection: #12 Screws
 - Connection to structure: (2) 1.5" long fillet weld along short leg of FUS to 3/16" thick ASTM A36 Steel (see illustration).
 - Listed capacities have not been increased for wind, seismic, or other factors.
 - E70XX (min) electrode Weld.
 - Tabulated loads are based on maximum stud standoff distance of 1" from base structure.
- 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.
- #12 Screws (0.216" dia) were used to attach clips to framing members through the provided clip holes.
- The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100.
- The #12 screws provide nominal shear capacity of 2000lbs and a nominal tension capacity of 2778lbs.
- 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 FUS installation.



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

Clip Designation	Framing Member Details		Mechanically Anchored to Structure	Load Capacities (lbs) / Clip															
	Thickness mils (ga)	No. of Screws to Framing		In-Plane (F1)				Tension (F2)				Compression (F3)				Shear (F4)			
				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	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	
FUS6-97	33 (20)	4	2	420	140	225	2040	2260	755	1130	3005	2260	755	1130	3095	1140	380	570	
			3	420	140	225	2885	2260	755	1130	3005	2260	755	1130	3095	1140	380	570	
			4	420	140	225	3050	2260	755	1130	3005	2260	755	1130	3095	1140	380	570	
	43 (18)	4	2	625	215	345	2040	2630	875	1315	3385	3365	1120	1685	3625	1675	560	845	
			3	625	215	345	2885	3365	1120	1685	3385	3365	1120	1685	3625	1695	565	845	
			4	625	215	345	3530	3365	1120	1685	3385	3365	1120	1685	3625	1695	565	845	
	54 (16)	4	2	990	340	545	2040	2630	875	1315	4485	5555	1850	2780	4410	1675	560	895	
			3	990	340	545	2885	3950	1315	1975	4485	6265	2155	3415	4410	1920	640	1025	
			4	990	340	545	3530	5265	1755	2630	4485	6265	2155	3415	4410	3200	1065	1705	
	68 (14)	4	2	1265	420	630	2040	2630	875	1315	4870	5555	1850	2780	6635	1675	560	895	
			3	1315	445	710	2885	3950	1315	1975	4870	7600	2615	4000	6635	1920	640	1025	
			4	1315	445	710	3530	5265	1755	2630	4870	7600	2615	4000	6635	3200	1065	1705	
	97 (12)	4	2	1265	420	630	2040	2630	875	1315	5525	5555	1850	2780	7375	1675	560	895	
			3	1765	590	880	2885	3950	1315	1975	5525	8000	2665	4000	7375	1920	640	1025	
			4	2115	705	1055	3530	5265	1755	2630	5525	8000	2665	4000	7375	3200	1065	1705	
FUS6-97	33 (20)	8	2	420	140	225	2040	2630	875	1315	3005	3565	1510	2260	3095	1675	560	895	
			3	420	140	225	2885	3950	1315	1975	3005	3565	1510	2260	3095	1920	640	1025	
			4	420	140	225	3050	4525	1510	2260	3005	3565	1510	2260	3095	2050	685	1025	
	43 (18)	8	2	625	215	345	2040	2630	875	1315	3385	4380	1850	2780	3625	1675	560	895	
			3	625	215	345	2885	3950	1315	1975	3385	4380	2245	3365	3625	1920	640	1025	
			4	625	215	345	3530	5265	1755	2630	3385	4380	2245	3365	3625	3050	1015	1525	
	54 (16)	8	2	990	340	545	2040	2630	875	1315	4485	5555	1850	2780	4410	1675	560	895	
			3	990	340	545	2885	3950	1315	1975	4485	6265	2155	3450	4410	1920	640	1025	
			4	990	340	545	3530	5265	1755	2630	4485	6265	2155	3450	4410	3200	1065	1705	
	68 (14)	8	2	1265	420	630	2040	2630	875	1315	4870	5555	1850	2780	6635	1675	560	895	
			3	1315	445	710	2885	3950	1315	1975	4870	7600	2615	4165	6635	1920	640	1025	
			4	1315	445	710	3530	5265	1755	2630	4870	7600	2615	4185	6635	3200	1065	1705	
	97 (12)	8	2	1265	420	630	2040	2630	875	1315	5525	5555	1850	2780	7375	1675	560	895	
			3	1765	590	880	2885	3950	1315	1975	5525	8335	2780	4165	7375	1920	640	1025	
			4	2115	705	1055	3530	5265	1755	2630	5525	11110	3705	5555	7375	3200	1065	1705	
FUS8-97	33 (20)	6	2	395	135	220	2040	2785	930	1390	3445	3390	1130	1695	1490	1215	405	605	
			3	395	135	220	2885	3390	1130	1695	3445	3390	1130	1695	1490	1215	405	605	
			4	395	135	220	3265	3390	1130	1695	3445	3390	1130	1695	1490	1215	405	605	
	43 (18)	6	2	610	210	335	2040	2785	930	1390	3850	4840	1685	2525	2940	1410	470	755	
			3	610	210	335	2885	4175	1390	2090	3850	4840	1685	2525	2940	1585	530	845	
			4	610	210	335	3510	5050	1685	2525	3850	4840	1685	2525	2940	1810	605	905	
	54 (16)	6	2	1080	370	595	2040	2785	930	1390	5030	5555	1850	2780	3695	1410	470	755	
			3	1080	370	595	2885	4175	1390	2090	5030	6670	2295	3675	3695	1585	530	845	
			4	1080	370	595	3530	5570	1855	2785	5030	6670	2295	3675	3695	2715	905	1450	
	68 (14)	6	2	1265	420	630	2040	2785	930	1390	5415	5555	1850	2780	5970	1410	470	755	
			3	1395	470	750	2885	4175	1390	2090	5415	7700	2650	4165	5970	1585	530	845	
			4	1395	470	750	3530	5570	1855	2785	5415	7700	2650	4240	5970	2715	905	1450	
	97 (12)	6	2	1265	420	630	2040	2785	930	1390	6420	5555	1850	2780	6035	1410	470	755	
			3	1765	590	880	2885	4175	1390	2090	6420	8335	2780	4165	6035	1585	530	845	
			4	2115	705	1055	3530	5570	1855	2785	6420	11110	3705	5555	6035	2715	905	1450	
FUS8-97	33 (20)	10	2	395	135	220	2040	2785	930	1390	3445	4240	1850	2780	1490	1410	470	755	
			3	395	135	220	2885	4175	1390	2090	3445	4240	1885	2825	1490	1585	530	845	
			4	395	135	220	3265	5570	1855	2785	3445	4240	1885	2825	1490	1860	620	930	
	43 (18)	10	2	610	210	335	2040	2785	930	1390	3850	4840	1850	2780	2940	1410	470	755	
			3	610	210	335	2885	4175	1390	2090	3850	4840	2485	3980	2940	1585	530	845	
			4	610	210	335	3510	5570	1855	2785	3850	4840	2485	3980	2940	2715	905	1385	
	54 (16)	10	2	1080	370	595	2040	2785	930	1390	5030	5555	1850	2780	3695	1410	470	755	
			3	1080	370	595	2885	4175	1390	2090	5030	6670	2295	3675	3695	1585	530	845	
			4	1080	370	595	3530	5570	1855	2785	5030	6670	2295	3675	3695	2715	905	1450	
	68 (14)	10	2	1265	420	630	2040	2785	930	1390	5415	5555	1850	2780	5970	1410	470	755	
			3	1395	470	750	2885	4175	1390	2090	5415	7700	2650	4165	5970	1585	530	845	
			4	1395	470	750	3530	5570	1855	2785	5415	7700	2650	4240	5970	2715	905	1450	
	97 (12)	10	2	1265	420	630	2040	2785	930	1390	6420	5555	1850	2780	6035	1410	470	755	
			3	1765	590	880	2885	4175	1390	2090	6420	8335	2780	4165	6035	1585	530	845	
			4	2115	705	1055	3530	5570	1855	2785	6420	11110	3705	5555	6035	2715	905	1450	

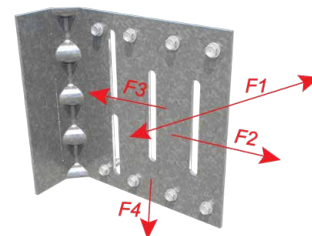
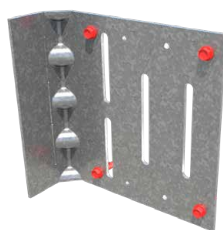
Fixed Universal Slip Clip

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

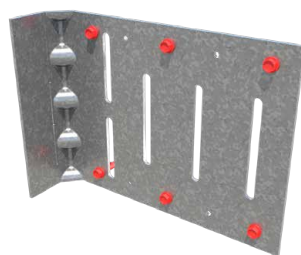
Clip Designation	Framing Member Details		Mechanically Anchored to Structure	Load Capacities (lbs) / Clip														
	Thickness mils (ga)	No. of Screws to Framing		In-Plane (F1)			Tension (F2)				Compression (F3)				Shear (F4)			
				Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FUS6-118	33 (20)	4	2	420	140	225	3360	2260	755	1130	3005	2260	755	1130	3925	1140	380	570
			3	420	140	225	3605	2260	755	1130	3005	2260	755	1130	3925	1140	380	570
			4	420	140	225	3605	2260	755	1130	3005	2260	755	1130	3925	1140	380	570
	43 (18)	4	2	655	225	360	3360	2995	1000	1500	4685	3365	1120	1685	4350	1675	560	845
			3	655	225	360	4055	3365	1120	1685	4685	3365	1120	1685	4350	1695	565	845
			4	655	225	360	4055	3365	1120	1685	4685	3365	1120	1685	4350	1695	565	845
	54 (16)	4	2	1025	350	565	3360	2995	1000	1500	5510	5555	1850	2780	7380	1675	560	895
			3	1025	350	565	4750	4495	1500	2245	5510	6835	2280	3415	7380	1920	640	1025
			4	1025	350	565	4905	5990	1995	2995	5510	6835	2280	3415	7380	3200	1065	1705
	68 (14)	4	2	1265	420	630	3360	2995	1000	1500	5835	5555	1850	2780	7690	1675	560	895
			3	1370	470	755	4750	4495	1500	2245	5835	8000	2665	4000	7690	1920	640	1025
			4	1370	470	755	4865	5990	1995	2995	5835	8000	2665	4000	7690	3200	1065	1705
97 (12)	4	2	1265	420	630	3360	2995	1000	1500	6460	5555	1850	2780	7690	1675	560	895	
		3	1765	590	880	4750	4495	1500	2245	6460	8000	2665	4000	7690	1920	640	1025	
		4	2115	705	1055	5590	5990	1995	2995	6460	8000	2665	4000	7690	3200	1065	1705	
FUS6-118	33 (20)	8	2	420	140	225	3360	2995	1000	1500	3005	3565	1510	2260	3925	1675	560	895
			3	420	140	225	3605	4495	1500	2245	3005	3565	1510	2260	3925	1920	640	1025
			4	420	140	225	3605	4525	1510	2260	3005	3565	1510	2260	3925	2050	685	1025
	43 (18)	8	2	655	225	360	3360	2995	1000	1500	4685	5555	1850	2780	4350	1675	560	895
			3	655	225	360	4055	4495	1500	2245	4685	5805	2245	3365	4350	1920	640	1025
			4	655	225	360	4055	5990	1995	2995	4685	5805	2245	3365	4350	3050	1015	1525
	54 (16)	8	2	1025	350	565	3360	2995	1000	1500	5510	5555	1850	2780	7380	1675	560	895
			3	1025	350	565	4750	4495	1500	2245	5510	8240	2780	4165	7380	1920	640	1025
			4	1025	350	565	4905	5990	1995	2995	5510	8240	2835	4535	7380	3200	1065	1705
	68 (14)	8	2	1265	420	630	3360	2995	1000	1500	5835	5555	1850	2780	7690	1675	560	895
			3	1370	470	755	4750	4495	1500	2245	5835	8335	2780	4165	7690	1920	640	1025
			4	1370	470	755	4865	5990	1995	2995	5835	9505	3270	5235	7690	3200	1065	1705
97 (12)	8	2	1265	420	630	3360	2995	1000	1500	6460	5555	1850	2780	7690	1675	560	895	
		3	1765	590	880	4750	4495	1500	2245	6460	8335	2780	4165	7690	1920	640	1025	
		4	2115	705	1055	5590	5990	1995	2995	6460	11110	3705	5555	7690	3200	1065	1705	
FUS8-118	33 (20)	6	2	395	135	220	3360	3195	1065	1600	3445	3390	1130	1695	1750	1215	405	605
			3	395	135	220	3740	3390	1130	1695	3445	3390	1130	1695	1750	1215	405	605
			4	395	135	220	3740	3390	1130	1695	3445	3390	1130	1695	1750	1215	405	605
	43 (18)	6	2	625	215	345	3360	3195	1065	1600	4985	5050	1685	2525	3910	1410	470	755
			3	625	215	345	4035	4795	1600	2395	4985	5050	1685	2525	3910	1585	530	845
			4	625	215	345	4035	5050	1685	2525	4985	5050	1685	2525	3910	1810	605	905
	54 (16)	6	2	1070	370	590	3360	3195	1065	1600	6845	5555	1850	2780	8075	1410	470	755
			3	1070	370	590	4750	4795	1600	2395	6845	8335	2780	4165	8075	1585	530	845
			4	1070	370	590	4890	6390	2130	3195	6845	8615	2965	4745	8075	2715	905	1450
	68 (14)	6	2	1265	420	630	3360	3195	1065	1600	7480	5555	1850	2780	7370	1410	470	755
			3	1455	500	800	4750	4795	1600	2395	7480	8335	2780	4165	7370	1585	530	845
			4	1455	500	800	5320	6390	2130	3195	7480	9910	3410	5460	7370	2715	905	1450
97 (12)	6	2	1265	420	630	3360	3195	1065	1600	8985	5555	1850	2780	7370	1410	470	755	
		3	1765	590	880	4750	4795	1600	2395	8985	8335	2780	4165	7370	1585	530	845	
		4	2115	705	1055	5550	6390	2130	3195	8985	11110	3705	5555	7370	2715	905	1450	
FUS8-118	33 (20)	10	2	395	135	220	3360	3195	1065	1600	3445	4240	1850	2780	1750	1410	470	755
			3	395	135	220	3740	4795	1600	2395	3445	4240	1885	2825	1750	1585	530	845
			4	395	135	220	3740	5655	1885	2825	3445	4240	1885	2825	1750	1860	620	930
	43 (18)	10	2	625	215	345	3360	3195	1065	1600	4985	5555	1850	2780	3910	1410	470	755
			3	625	215	345	4035	4795	1600	2395	4985	6640	2780	4165	3910	1585	530	845
			4	625	215	345	4035	6390	2130	3195	4985	6640	2805	4205	3910	2715	905	1385
	54 (16)	10	2	1070	370	590	3360	3195	1065	1600	6845	5555	1850	2780	8075	1410	470	755
			3	1070	370	590	4750	4795	1600	2395	6845	8335	2780	4165	8075	1585	530	845
			4	1070	370	590	4890	6390	2130	3195	6845	8615	2965	4745	8075	2715	905	1450
	68 (14)	10	2	1265	420	630	3360	3195	1065	1600	7480	5555	1850	2780	7370	1410	470	755
			3	1455	500	800	4750	4795	1600	2395	7480	8335	2780	4165	7370	1585	530	845
			4	1455	500	800	5320	6390	2130	3195	7480	9910	3410	5460	7370	2715	905	1450
97 (12)	10	2	1265	420	630	3360	3195	1065	1600	8985	5555	1850	2780	7370	1410	470	755	
		3	1765	590	880	4750	4795	1600	2395	8985	8335	2780	4165	7370	1585	530	845	
		4	2115	705	1055	5550	6390	2130	3195	8985	11110	3705	5555	7370	2715	905	1450	

Notes:

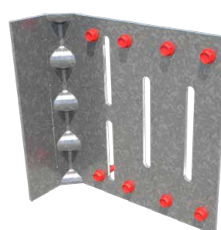
- 1 Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20, AISI D114, and ICC-ES AC261.
- 2 Tabulated load capacities are based on the following considerations:
 - a Framing connection: #12 Screws
 - b Connection to structure: #12 HWH Fasteners connected to 3/16" thick ASTM 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.
 - e Tabulated loads are based on maximum stud standoff distance of 1" from base structure.
- 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 #12 Screws (0.216" dia) were used to attach clips to framing members through the provided clip holes.
- 5 The safety factor for ASD loads and resistance factor for LRFD loads are in accordance with Chapter K of AISI-S100.
- 6 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.
- 7 The #12 Framing screws provide nominal shear capacity of 2000lbs and a nominal tension capacity of 2778lbs.
- 8 Nominal capacities are listed for use in blast/seismic designs and they do not assume a safety factor or resistance factor.
- 9 It is the responsibility of the design professional to detail the project drawings for proper FUS installation.



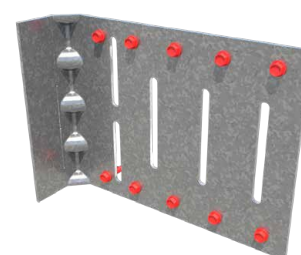
FUS6
(4) Screw Condition



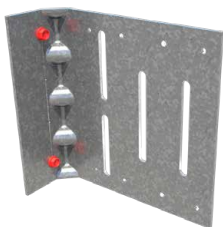
FUS8
(6) Screw Condition



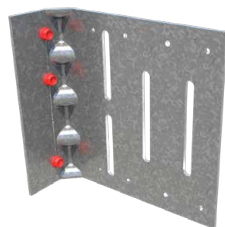
FUS6
(8) Screw Condition



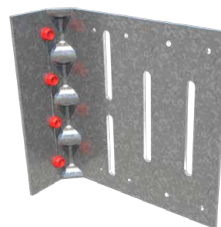
FUS8
(10) Screw Condition



FUS
(2) Anchor Condition



FUS
(3) Anchor Condition



FUS
(4) Anchor Condition

Fixed Universal Slip Clip

ATTACHMENT TO STRUCTURE: 0.157" HILTI X-U PINS TO 3/16" STEEL (FS = 5)

Clip Designation	Framing Member Details		Mechanically Anchored to Structure	Load Capacities (lbs) / Clip															
	Thickness mils (ga)	No. of Screws to Framing		In-Plane (F1)			Tension (F2)				Compression (F3)				Shear (F4)				
				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	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	
FUS6-97	33 (20)	4	2	420	140	225	2040	2260	755	1130	3005	2260	755	1130	3095	1140	380	570	
			3	420	140	225	2885	2260	755	1130	3005	2260	755	1130	3095	1140	380	570	
			4	420	140	225	3050	2260	755	1130	3005	2260	755	1130	3095	1140	380	570	
	43 (18)	4	2	625	215	345	2040	2475	825	1320	3385	3365	1120	1685	3625	1630	520	690	
			3	625	215	345	2885	3365	1120	1685	3385	3365	1120	1685	3625	1695	565	790	
			4	625	215	345	3530	3365	1120	1685	3385	3365	1120	1685	3625	1695	565	845	
	54 (16)	4	2	990	280	445	2040	2475	825	1320	4485	5745	1150	1840	4410	1630	520	690	
			3	990	340	545	2885	3715	1240	1980	4485	6265	1725	2760	4410	1795	580	790	
			4	990	340	545	3530	4950	1650	2640	4485	6265	2155	3415	4410	3150	1005	1320	
	68 (14)	4	2	1315	280	445	2040	2475	825	1320	4870	5745	1150	1840	6635	1630	520	690	
			3	1315	385	615	2885	3715	1240	1980	4870	7600	1725	2760	6635	1795	580	790	
			4	1315	445	710	3530	4950	1650	2640	4870	7600	2300	3675	6635	3150	1005	1320	
97 (12)	4	2	1395	280	445	2040	2475	825	1320	5525	5745	1150	1840	7375	1630	520	690		
		3	1920	385	615	2885	3715	1240	1980	5525	8000	1725	2760	7375	1795	580	790		
		4	2280	475	755	3530	4950	1650	2640	5525	8000	2300	3675	7375	3150	1005	1320		
FUS6-97	33 (20)	8	2	420	140	225	2040	2475	825	1320	3005	3565	1150	1840	3095	1630	520	690	
			3	420	140	225	2885	3715	1240	1980	3005	3565	1510	2260	3095	1795	580	790	
			4	420	140	225	3050	4525	1510	2260	3005	3565	1510	2260	3095	2050	685	1025	
	43 (18)	8	2	625	215	345	2040	2475	825	1320	3385	4380	1150	1840	3625	1630	520	690	
			3	625	215	345	2885	3715	1240	1980	3385	4380	1725	2760	3625	1795	580	790	
			4	625	215	345	3530	4950	1650	2640	3385	4380	2245	3365	3625	3050	1005	1320	
	54 (16)	8	2	990	280	445	2040	2475	825	1320	4485	5745	1150	1840	4410	1630	520	690	
			3	990	340	545	2885	3715	1240	1980	4485	6265	1725	2760	4410	1795	580	790	
			4	990	340	545	3530	4950	1650	2640	4485	6265	2155	3450	4410	3150	1005	1320	
	68 (14)	8	2	1315	280	445	2040	2475	825	1320	4870	5745	1150	1840	6635	1630	520	690	
			3	1315	385	615	2885	3715	1240	1980	4870	7600	1725	2760	6635	1795	580	790	
			4	1315	445	710	3530	4950	1650	2640	4870	7600	2300	3675	6635	3150	1005	1320	
97 (12)	8	2	1395	280	445	2040	2475	825	1320	5525	5745	1150	1840	7375	1630	520	690		
		3	1920	385	615	2885	3715	1240	1980	5525	8615	1725	2760	7375	1795	580	790		
		4	2280	475	755	3530	4950	1650	2640	5525	11490	2300	3675	7375	3150	1005	1320		
FUS8-97	33 (20)	6	2	395	135	220	2040	2475	825	1320	3445	3390	1130	1695	1490	1215	405	580	
			3	395	135	220	2885	3390	1130	1695	3445	3390	1130	1695	1490	1215	405	605	
			4	395	135	220	3265	3390	1130	1695	3445	3390	1130	1695	1490	1215	405	605	
	43 (18)	6	2	610	210	335	2040	2475	825	1320	3850	4840	1150	1840	2940	1330	425	580	
			3	610	210	335	2885	3715	1240	1980	3850	4840	1685	2525	2940	1435	465	645	
			4	610	210	335	3510	4950	1650	2525	3850	4840	1685	2525	2940	1810	605	905	
	54 (16)	6	2	1080	280	445	2040	2475	825	1320	5030	5745	1150	1840	3695	1330	425	580	
			3	1080	370	595	2885	3715	1240	1980	5030	6670	1725	2755	3695	1435	465	645	
			4	1080	370	595	3530	4950	1650	2640	5030	6670	2295	3675	3695	2585	830	1115	
	68 (14)	6	2	1395	280	445	2040	2475	825	1320	5415	5745	1150	1840	5970	1330	425	580	
			3	1395	385	615	2885	3715	1240	1980	5415	7700	1725	2755	5970	1435	465	645	
			4	1395	470	750	3530	4950	1650	2640	5415	7700	2300	3675	5970	2585	830	1115	
97 (12)	6	2	1395	280	445	2040	2475	825	1320	6420	5745	1150	1840	6035	1330	425	580		
		3	1920	385	615	2885	3715	1240	1980	6420	8615	1725	2755	6035	1435	465	645		
		4	2365	475	755	3530	4950	1650	2640	6420	11490	2300	3675	6035	2585	830	1115		
FUS8-97	33 (20)	10	2	395	135	220	2040	2475	825	1320	3445	4240	1150	1840	1490	1330	425	580	
			3	395	135	220	2885	3715	1240	1980	3445	4240	1725	2755	1490	1435	465	645	
			4	395	135	220	3265	4950	1650	2640	3445	4240	1885	2825	1490	1860	620	930	
	43 (18)	10	2	610	210	335	2040	2475	825	1320	3850	4840	1150	1840	2940	1330	425	580	
			3	610	210	335	2885	3715	1240	1980	3850	4840	1725	2755	2940	1435	465	645	
			4	610	210	335	3510	4950	1650	2640	3850	4840	2300	3675	2940	2585	830	1115	
	54 (16)	10	2	1080	280	445	2040	2475	825	1320	5030	5745	1150	1840	3695	1330	425	580	
			3	1080	370	595	2885	3715	1240	1980	5030	6670	1725	2755	3695	1435	465	645	
			4	1080	370	595	3530	4950	1650	2640	5030	6670	2295	3675	3695	2585	830	1115	
	68 (14)	10	2	1395	280	445	2040	2475	825	1320	5415	5745	1150	1840	5970	1330	425	580	
			3	1395	385	615	2885	3715	1240	1980	5415	7700	1725	2755	5970	1435	465	645	
			4	1395	470	750	3530	4950	1650	2640	5415	7700	2300	3675	5970	2585	830	1115	
97 (12)	10	2	1395	280	445	2040	2475	825	1320	6420	5745	1150	1840	6035	1330	425	580		
		3	1920	385	615	2885	3715	1240	1980	6420	8615	1725	2755	6035	1435	465	645		
		4	2365	475	755	3530	4950	1650	2640	6420	11490	2300	3675	6035	2585	830	1115		

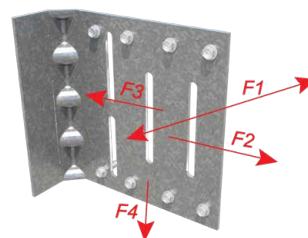
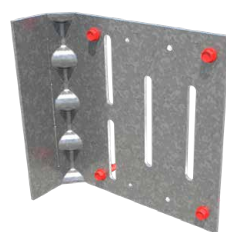
ATTACHMENT TO STRUCTURE: 0.157" HILTI X-U PINS TO 3/16" STEEL (FS = 5)

Clip Designation	Framing Member Details		Mechanically Anchored to Structure	Load Capacities (lbs) / Clip														
	Thickness mils (ga)	No. of Screws to Framing		In-Plane (F1)			Tension (F2)				Compression (F3)				Shear (F4)			
				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	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FUS6-118	33 (20)	4	2	420	140	225	3360	2260	755	1130	3005	2260	755	1130	3925	1140	380	570
			3	420	140	225	3605	2260	755	1130	3005	2260	755	1130	3925	1140	380	570
			4	420	140	225	3605	2260	755	1130	3005	2260	755	1130	3925	1140	380	570
	43 (18)	4	2	655	225	360	3360	2475	825	1320	4685	3365	1120	1685	4350	1695	545	745
			3	655	225	360	4055	3365	1120	1685	4685	3365	1120	1685	4350	1695	565	845
			4	655	225	360	4055	3365	1120	1685	4685	3365	1120	1685	4350	1695	565	845
	54 (16)	4	2	1025	280	445	3360	2475	825	1320	5510	5745	1150	1840	7380	1860	545	745
			3	1025	350	565	4750	3715	1240	1980	5510	6835	1725	2755	7380	2080	610	865
			4	1025	350	565	4905	4950	1650	2640	5510	6835	2280	3415	7380	3440	1050	1425
	68 (14)	4	2	1370	280	445	3360	2475	825	1320	5835	5745	1150	1840	7690	1860	545	745
			3	1370	385	615	4750	3715	1240	1980	5835	8000	1725	2755	7690	2080	610	865
			4	1370	470	755	4865	4950	1650	2640	5835	8000	2300	3675	7690	3575	1050	1425
97 (12)	4	2	1395	280	445	3360	2475	825	1320	6460	5745	1150	1840	7690	1860	545	745	
		3	1920	385	615	4750	3715	1240	1980	6460	8000	1725	2755	7690	2080	610	865	
		4	2285	475	755	5590	4950	1650	2640	6460	8000	2300	3675	7690	3575	1050	1425	
FUS6-118	33 (20)	8	2	420	140	225	3360	2475	825	1320	3005	3565	1150	1840	3925	1860	545	745
			3	420	140	225	3605	3715	1240	1980	3005	3565	1510	2260	3925	2050	610	865
			4	420	140	225	3605	4525	1510	2260	3005	3565	1510	2260	3925	2050	685	1025
	43 (18)	8	2	655	225	360	3360	2475	825	1320	4685	5745	1150	1840	4350	1860	545	745
			3	655	225	360	4055	3715	1240	1980	4685	5805	1725	2755	4350	2080	610	865
			4	655	225	360	4055	4950	1650	2640	4685	5805	2245	3365	4350	3050	1015	1425
	54 (16)	8	2	1025	280	445	3360	2475	825	1320	5510	5745	1150	1840	7380	1860	545	745
			3	1025	350	565	4750	3715	1240	1980	5510	8240	1725	2755	7380	2080	610	865
			4	1025	350	565	4905	4950	1650	2640	5510	8240	2300	3675	7380	3575	1050	1425
	68 (14)	8	2	1370	280	445	3360	2475	825	1320	5835	5745	1150	1840	7690	1860	545	745
			3	1370	385	615	4750	3715	1240	1980	5835	8615	1725	2755	7690	2080	610	865
			4	1370	470	755	4865	4950	1650	2640	5835	9505	2300	3675	7690	3575	1050	1425
97 (12)	8	2	1395	280	445	3360	2475	825	1320	6460	5745	1150	1840	7690	1860	545	745	
		3	1920	385	615	4750	3715	1240	1980	6460	8615	1725	2755	7690	2080	610	865	
		4	2285	475	755	5590	4950	1650	2640	6460	11490	2300	3675	7690	3575	1050	1425	
FUS8-118	33 (20)	6	2	395	135	220	3360	2475	825	1320	3445	3390	1130	1695	1750	1215	405	605
			3	395	135	220	3740	3390	1130	1695	3445	3390	1130	1695	1750	1215	405	605
			4	395	135	220	3740	3390	1130	1695	3445	3390	1130	1695	1750	1215	405	605
	43 (18)	6	2	625	215	345	3360	2475	825	1320	4985	5050	1150	1840	3910	1535	450	635
			3	625	215	345	4035	3715	1240	1980	4985	5050	1685	2525	3910	1680	495	715
			4	625	215	345	4035	4950	1650	2525	4985	5050	1685	2525	3910	1810	605	905
	54 (16)	6	2	1070	280	445	3360	2475	825	1320	6845	5745	1150	1840	8075	1535	450	635
			3	1070	370	590	4750	3715	1240	1980	6845	8615	1725	2755	8075	1680	495	715
			4	1070	370	590	4890	4950	1650	2640	6845	8615	2300	3675	8075	2970	875	1215
	68 (14)	6	2	1395	280	445	3360	2475	825	1320	7480	5745	1150	1840	7370	1535	450	635
			3	1455	385	615	4750	3715	1240	1980	7480	8615	1725	2755	7370	1680	495	715
			4	1455	475	755	5320	4950	1650	2640	7480	9910	2300	3675	7370	2970	875	1215
97 (12)	6	2	1395	280	445	3360	2475	825	1320	8985	5745	1150	1840	7370	1535	450	635	
		3	1920	385	615	4750	3715	1240	1980	8985	8615	1725	2755	7370	1680	495	715	
		4	2365	475	755	5550	4950	1650	2640	8985	11490	2300	3675	7370	2970	875	1215	
FUS8-118	33 (20)	10	2	395	135	220	3360	2475	825	1320	3445	4240	1150	1840	1750	1535	450	635
			3	395	135	220	3740	3715	1240	1980	3445	4240	1725	2755	1750	1680	495	715
			4	395	135	220	3740	4950	1650	2640	3445	4240	1885	2825	1750	1860	620	930
	43 (18)	10	2	625	215	345	3360	2475	825	1320	4985	5745	1150	1840	3910	1535	450	635
			3	625	215	345	4035	3715	1240	1980	4985	6640	1725	2755	3910	1680	495	715
			4	625	215	345	4035	4950	1650	2640	4985	6640	2300	3675	3910	2765	875	1215
	54 (16)	10	2	1070	280	445	3360	2475	825	1320	6845	5745	1150	1840	8075	1535	450	635
			3	1070	370	590	4750	3715	1240	1980	6845	8615	1725	2755	8075	1680	495	715
			4	1070	370	590	4890	4950	1650	2640	6845	8615	2300	3675	8075	2970	875	1215
	68 (14)	10	2	1395	280	445	3360	2475	825	1320	7480	5745	1150	1840	7370	1535	450	635
			3	1455	385	615	4750	3715	1240	1980	7480	8615	1725	2755	7370	1680	495	715
			4	1455	475	755	5320	4950	1650	2640	7480	9910	2300	3675	7370	2970	875	1215
97 (12)	10	2	1395	280	445	3360	2475	825	1320	8985	5745	1150	1840	7370	1535	450	635	
		3	1920	385	615	4750	3715	1240	1980	8985	8615	1725	2755	7370	1680	495	715	
		4	2365	475	755	5550	4950	1650	2640	8985	11490	2300	3675	7370	2970	875	1215	

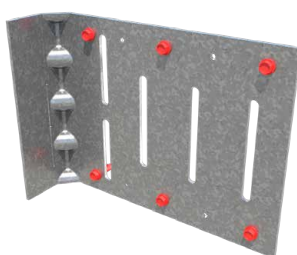
Fixed Universal Slip Clip

Notes:

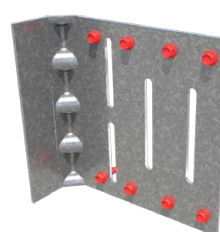
- 1 Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20, AISI D114, ICC-ES AC261 and ESR 2269.
- 2 Tabulated load capacities are based on the following considerations:
 - a Framing connection: #12 Screws
 - b Connection to structure: 0.157" Hilti X-U Pins connected to 3/16" 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.
 - e Tabulated loads are based on maximum stud standoff distance of 1" from base structure.
- 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 #12 Screws (0.216" dia) were used to attach clips to framing members through the provided clip holes.
- 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 #12 Framing screws provide nominal shear capacity of 2000lbs and a nominal tension capacity of 2778lbs.
- 7 Nominal capacities are listed for use in blast/seismic designs and they do not assume a safety factor or resistance factor.
- 8 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.
- 9 Hilti is a registered trademark of Hilti Aktiengesellschaft Corporation.
- 10 It is the responsibility of the design professional to detail the project drawings for proper FUS installation.



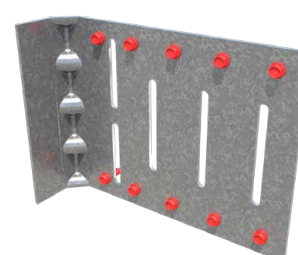
FUS6
(4) Screw Condition



FUS8
(6) Screw Condition



FUS6
(8) Screw Condition



FUS8
(10) Screw Condition

ATTACHMENT TO STRUCTURE: 0.157" HILTI X-U PINS TO 3/16" STEEL (FS = 10)

Clip Designation	Framing Member Details		Mechanically Anchored to Structure	Load Capacities (lbs) / Clip														
				In-Plane (F1)			Tension (F2)				Compression (F3)				Shear (F4)			
	Thickness mils (ga)	No. of Screws to Framing		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	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FUS6-97	33 (20)	4	2	420	140	225	2040	2260	460	740	3005	2260	575	920	3095	1140	275	375
			3	420	140	225	2885	2260	695	1110	3005	2260	755	1130	3095	1140	305	430
			4	420	140	225	3050	2260	755	1130	3005	2260	755	1130	3095	1140	380	570
	43 (18)	4	2	625	140	225	2040	2475	460	740	3385	3365	575	920	3625	1630	275	375
			3	625	190	305	2885	3365	695	1110	3385	3365	860	1380	3625	1695	305	430
			4	625	215	345	3530	3365	925	1480	3385	3365	1120	1685	3625	1695	525	710
	54 (16)	4	2	990	140	225	2040	2475	460	740	4485	5745	575	920	4410	1630	275	375
			3	990	190	305	2885	3715	695	1110	4485	6265	860	1380	4410	1795	305	430
			4	990	235	380	3530	4950	925	1480	4485	6265	1150	1840	4410	3150	525	710
	68 (14)	4	2	1315	140	225	2040	2475	460	740	4870	5745	575	920	6635	1630	275	375
			3	1315	190	305	2885	3715	695	1110	4870	7600	860	1380	6635	1795	305	430
			4	1315	235	380	3530	4950	925	1480	4870	7600	1150	1840	6635	3150	525	710
	97 (12)	4	2	1395	140	225	2040	2475	460	740	5525	5745	575	920	7375	1630	275	375
			3	1920	190	305	2885	3715	695	1110	5525	8000	860	1380	7375	1795	305	430
			4	2280	235	380	3530	4950	925	1480	5525	8000	1150	1840	7375	3150	525	710
FUS6-97	33 (20)	8	2	420	140	225	2040	2475	460	740	3005	3565	575	920	3095	1630	275	375
			3	420	140	225	2885	3715	695	1110	3005	3565	860	1380	3095	1795	305	430
			4	420	140	225	3050	4525	925	1480	3005	3565	1150	1840	3095	2050	525	710
	43 (18)	8	2	625	140	225	2040	2475	460	740	3385	4380	575	920	3625	1630	275	375
			3	625	190	305	2885	3715	695	1110	3385	4380	860	1380	3625	1795	305	430
			4	625	215	345	3530	4950	925	1480	3385	4380	1150	1840	3625	3050	525	710
	54 (16)	8	2	990	140	225	2040	2475	460	740	4485	5745	575	920	4410	1630	275	375
			3	990	190	305	2885	3715	695	1110	4485	6265	860	1380	4410	1795	305	430
			4	990	235	380	3530	4950	925	1480	4485	6265	1150	1840	4410	3150	525	710
	68 (14)	8	2	1315	140	225	2040	2475	460	740	4870	5745	575	920	6635	1630	275	375
			3	1315	190	305	2885	3715	695	1110	4870	7600	860	1380	6635	1795	305	430
			4	1315	235	380	3530	4950	925	1480	4870	7600	1150	1840	6635	3150	525	710
	97 (12)	8	2	1395	140	225	2040	2475	460	740	5525	5745	575	920	7375	1630	275	375
			3	1920	190	305	2885	3715	695	1110	5525	8615	860	1380	7375	1795	305	430
			4	2280	235	380	3530	4950	925	1480	5525	11490	1150	1840	7375	3150	525	710
FUS8-97	33 (20)	6	2	395	135	220	2040	2475	485	775	3445	3390	575	920	1490	1215	225	315
			3	395	135	220	2885	3390	730	1165	3445	3390	860	1380	1490	1215	245	355
			4	395	135	220	3265	3390	970	1555	3445	3390	1130	1695	1490	1215	405	605
	43 (18)	6	2	610	140	225	2040	2475	485	775	3850	4840	575	920	2940	1330	225	315
			3	610	190	305	2885	3715	730	1165	3850	4840	860	1380	2940	1435	245	355
			4	610	210	335	3510	4950	970	1555	3850	4840	1150	1840	2940	1810	435	605
	54 (16)	6	2	1080	140	225	2040	2475	485	775	5030	5745	575	920	3695	1330	225	315
			3	1080	190	305	2885	3715	730	1165	5030	6670	860	1380	3695	1435	245	355
			4	1080	235	380	3530	4950	970	1555	5030	6670	1150	1840	3695	2585	435	605
	68 (14)	6	2	1395	140	225	2040	2475	485	775	5415	5745	575	920	5970	1330	225	315
			3	1395	190	305	2885	3715	730	1165	5415	7700	860	1380	5970	1435	245	355
			4	1395	235	380	3530	4950	970	1555	5415	7700	1150	1840	5970	2585	435	605
	97 (12)	6	2	1395	140	225	2040	2475	485	775	6420	5745	575	920	6035	1330	225	315
			3	1920	190	305	2885	3715	730	1165	6420	8615	860	1380	6035	1435	245	355
			4	2365	235	380	3530	4950	970	1555	6420	11490	1150	1840	6035	2585	435	605
FUS8-97	33 (20)	10	2	395	135	220	2040	2475	485	775	3445	4240	575	920	1490	1330	225	315
			3	395	135	220	2885	3715	730	1165	3445	4240	860	1380	1490	1435	245	355
			4	395	135	220	3265	4950	970	1555	3445	4240	1150	1840	1490	1860	435	605
	43 (18)	10	2	610	140	225	2040	2475	485	775	3850	4840	575	920	2940	1330	225	315
			3	610	190	305	2885	3715	730	1165	3850	4840	860	1380	2940	1435	245	355
			4	610	210	335	3510	4950	970	1555	3850	4840	1150	1840	2940	2585	435	605
	54 (16)	10	2	1080	140	225	2040	2475	485	775	5030	5745	575	920	3695	1330	225	315
			3	1080	190	305	2885	3715	730	1165	5030	6670	860	1380	3695	1435	245	355
			4	1080	235	380	3530	4950	970	1555	5030	6670	1150	1840	3695	2585	435	605
	68 (14)	10	2	1395	140	225	2040	2475	485	775	5415	5745	575	920	5970	1330	225	315
			3	1395	190	305	2885	3715	730	1165	5415	7700	860	1380	5970	1435	245	355
			4	1395	235	380	3530	4950	970	1555	5415	7700	1150	1840	5970	2585	435	605
	97 (12)	10	2	1395	140	225	2040	2475	485	775	6420	5745	575	920	6035	1330	225	315
			3	1920	190	305	2885	3715	730	1165	6420	8615	860	1380	6035	1435	245	355
			4	2365	235	380	3530	4950	970	1555	6420	11490	1150	1840	6035	2585	435	605

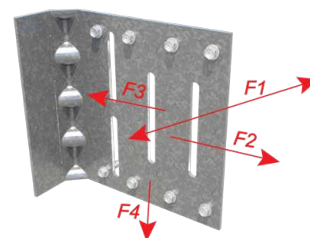
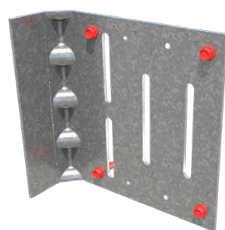
Fixed Universal Slip Clip

ATTACHMENT TO STRUCTURE: 0.157" HILTI X-U PINS TO 3/16" STEEL (FS = 10)

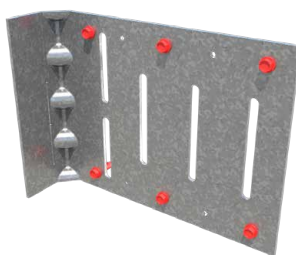
Clip Designation	Framing Member Details		Mechanically Anchored to Structure	Load Capacities (lbs) / Clip														
	Thickness mils (ga)	No. of Screws to Framing		In-Plane (F1)			Tension (F2)				Compression (F3)				Shear (F4)			
				Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load	1/8" Service Load	Nominal Load	ASD Load	LRFD Load
FUS6-118	33 (20)	4	2	420	140	225	3360	2260	460	740	3005	2260	575	920	3925	1140	275	375
			3	420	140	225	3605	2260	695	1110	3005	2260	755	1130	3925	1140	305	430
			4	420	140	225	3605	2260	755	1130	3005	2260	755	1130	3925	1140	380	570
	43 (18)	4	2	655	140	225	3360	2475	460	740	4685	3365	575	920	4350	1695	275	375
			3	655	190	305	4055	3365	695	1110	4685	3365	860	1380	4350	1695	305	430
			4	655	225	360	4055	3365	925	1480	4685	3365	1120	1685	4350	1695	525	710
	54 (16)	4	2	1025	140	225	3360	2475	460	740	5510	5745	575	920	7380	1860	275	375
			3	1025	190	305	4750	3715	695	1110	5510	6835	860	1380	7380	2080	305	430
			4	1025	235	380	4905	4950	925	1480	5510	6835	1150	1840	7380	3440	525	710
	68 (14)	4	2	1370	140	225	3360	2475	460	740	5835	5745	575	920	7690	1860	275	375
			3	1370	190	305	4750	3715	695	1110	5835	8000	860	1380	7690	2080	305	430
			4	1370	235	380	4865	4950	925	1480	5835	8000	1150	1840	7690	3575	525	710
97 (12)	4	2	1395	140	225	3360	2475	460	740	6460	5745	575	920	7690	1860	275	375	
		3	1920	190	305	4750	3715	695	1110	6460	8000	860	1380	7690	2080	305	430	
		4	2285	235	380	5590	4950	925	1480	6460	8000	1150	1840	7690	3575	525	710	
FUS6-118	33 (20)	8	2	420	140	225	3360	2475	460	740	3005	3565	575	920	3925	1860	275	375
			3	420	140	225	3605	3715	695	1110	3005	3565	860	1380	3925	2050	305	430
			4	420	140	225	3605	4525	925	1480	3005	3565	1150	1840	3925	2050	525	710
	43 (18)	8	2	655	140	225	3360	2475	460	740	4685	5745	575	920	4350	1860	275	375
			3	655	190	305	4055	3715	695	1110	4685	5805	860	1380	4350	2080	305	430
			4	655	225	360	4055	4950	925	1480	4685	5805	1150	1840	4350	3050	525	710
	54 (16)	8	2	1025	140	225	3360	2475	460	740	5510	5745	575	920	7380	1860	275	375
			3	1025	190	305	4750	3715	695	1110	5510	8240	860	1380	7380	2080	305	430
			4	1025	235	380	4905	4950	925	1480	5510	8240	1150	1840	7380	3575	525	710
	68 (14)	8	2	1370	140	225	3360	2475	460	740	5835	5745	575	920	7690	1860	275	375
			3	1370	190	305	4750	3715	695	1110	5835	8615	860	1380	7690	2080	305	430
			4	1370	235	380	4865	4950	925	1480	5835	9505	1150	1840	7690	3575	525	710
97 (12)	8	2	1395	140	225	3360	2475	460	740	6460	5745	575	920	7690	1860	275	375	
		3	1920	190	305	4750	3715	695	1110	6460	8615	860	1380	7690	2080	305	430	
		4	2285	235	380	5590	4950	925	1480	6460	11490	1150	1840	7690	3575	525	710	
FUS8-118	33 (20)	6	2	395	135	220	3360	2475	485	775	3445	3390	575	920	1750	1215	225	315
			3	395	135	220	3740	3390	730	1165	3445	3390	860	1380	1750	1215	245	355
			4	395	135	220	3740	3390	970	1555	3445	3390	1130	1695	1750	1215	405	605
	43 (18)	6	2	625	140	225	3360	2475	485	775	4985	5050	575	920	3910	1535	225	315
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	54 (16)	6	2	1070	140	225	3360	2475	485	775	6845	5745	575	920	8075	1535	225	315
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			4	1070	235	380	4890	4950	970	1555	6845	8615	1150	1840	8075	2970	435	605
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97 (12)	6	2	1395	140	225	3360	2475	485	775	8985	5745	575	920	7370	1535	225	315	
		3	1920	190	305	4750	3715	730	1165	8985	8615	860	1380	7370	1680	245	355	
		4	2365	235	380	5550	4950	970	1555	8985	11490	1150	1840	7370	2970	435	605	
FUS8-118	33 (20)	10	2	395	135	220	3360	2475	485	775	3445	4240	575	920	1750	1535	225	315
			3	395	135	220	3740	3715	730	1165	3445	4240	860	1380	1750	1680	245	355
			4	395	135	220	3740	4950	970	1555	3445	4240	1150	1840	1750	1860	435	605
	43 (18)	10	2	625	140	225	3360	2475	485	775	4985	5745	575	920	3910	1535	225	315
			3	625	190	305	4035	3715	730	1165	4985	6640	860	1380	3910	1680	245	355
			4	625	215	345	4035	4950	970	1555	4985	6640	1150	1840	3910	2765	435	605
	54 (16)	10	2	1070	140	225	3360	2475	485	775	6845	5745	575	920	8075	1535	225	315
			3	1070	190	305	4750	3715	730	1165	6845	8615	860	1380	8075	1680	245	355
			4	1070	235	380	4890	4950	970	1555	6845	8615	1150	1840	8075	2970	435	605
	68 (14)	10	2	1395	140	225	3360	2475	485	775	7480	5745	575	920	7370	1535	225	315
			3	1455	190	305	4750	3715	730	1165	7480	8615	860	1380	7370	1680	245	355
			4	1455	235	380	5320	4950	970	1555	7480	9910	1150	1840	7370	2970	435	605
97 (12)	10	2	1395	140	225	3360	2475	485	775	8985	5745	575	920	7370	1535	225	315	
		3	1920	190	305	4750	3715	730	1165	8985	8615	860	1380	7370	1680	245	355	
		4	2365	235	380	5550	4950	970	1555	8985	11490	1150	1840	7370	2970	435	605	

Notes:

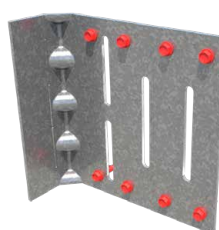
- 1 Listed capacities are in accordance with provisions of AISI S100-16 (R2020)/S2-20, AISI D114, ICC-ES AC261 and ESR 2269.
- 2 Tabulated load capacities are based on the following considerations:
 - a Framing connection: #12 Screws
 - b Connection to structure: 0.157" Hilti X-U Pins connected to 3/16" 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.
 - e Tabulated loads are based on maximum stud standoff distance of 1" from base structure.
- 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 #12 Screws (0.216" dia) were used to attach clips to framing members through the provided clip holes.
- 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 #12 Framing screws provide nominal shear capacity of 2000lbs and a nominal tension capacity of 2778lbs.
- 7 Nominal capacities are listed for use in blast/seismic designs and they do not assume a safety factor or resistance factor.
- 8 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.
- 9 Hilti is a registered trademark of Hilti Aktiengesellschaft Corporation.
- 10 It is the responsibility of the design professional to detail the project drawings for proper FUS installation.



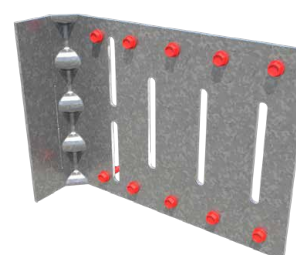
FUS6
(4) Screw Condition



FUS8
(6) Screw Condition



FUS6
(8) Screw Condition



FUS8
(10) Screw Condition