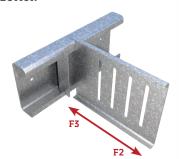
Drift Rail and Clip - Attachment Using (1) 1/4" Hilti KWIK HUS-EZ

ATTACHMENT TO CONCRETE: 1/4" HILTI KWIK HUS-EZ ATTACHMENT TO STUD: AS A DEFLECTION CONNECTION

Drift Rail and Clip - 12ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS USING CLIP AS A DEFLECTION CONNECTION

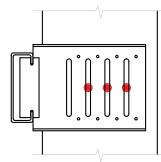
Clip	Stud		Framing C	Connection	ASD Allowable Loads (lbs)		
designation	Mils (Gauge)	Anchor to structure	Screw Pattern	No. of Screws	F2 (Tension)	F3 (Compression)	
	33mils (20ga)			(2) x #14	560	600	
	43mils (18ga)	(1) x 1/4" Hilti KWIK		(2) x #14	655	670	
DRC3-97	54mils (16ga)	HUS-EZ @ 6" o.c.	See Figure	(2) x #14	1000	970	
	68mils (14ga)	(3000psi uncracked concrete)		(2) x #14	1045	1325	
	97mils (12ga)			(2) x #14	1045	2040	
	33mils (20ga)	(1) x 1/4" Hilti KWIK HUS-EZ @ 6" o.c. (3000psi uncracked concrete)	See Figure	(3) x #14	560	600	
	43mils (18ga)			(3) x #14	655	670	
DRC6-97	54mils (16ga)			(3) x #14	1000	970	
	68mils (14ga)			(3) x #14	1045	1325	
	97mils (12ga)			(3) x #14	1045	2040	
	33mils (20ga)		See Figure	(3) x #14	560	620	
	43mils (18ga)	(1) x 1/4" Hilti KWIK		(3) x #14	655	730	
DRC8-97	54mils (16ga)	HUS-EZ @ 6" o.c. (3000psi uncracked concrete)		(3) x #14	1000	1060	
	68mils (14ga)			(3) x #14	1045	1340	
	97mils (12ga)			(3) x #14	1045	1965	



Drift Rail and Clip - 14ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS USING CLIP AS A DEFLECTION CONNECTION

Clip	Stud		Framing (Connection	ASD Allowable Loads (lbs)		
designation	Mils (Gauge)	Anchor to structure	Screw Pattern	No. of Screws	F2 (Tension)	F3 (Compression)	
	33mils (20ga)			(2) x #14	490	440	
	43mils (18ga)	(1) x 1/4" Hilti KWIK		(2) x #14	540	520	
DRC3-68	54mils (16ga)	HUS-EZ @ 6" o.c.	See Figure	(2) x #14	850	870	
	68mils (14ga)	(3000psi uncracked concrete)		(2) x #14	850	1170	
	97mils (12ga)			(2) x #14	850	1600	
	33mils (20ga)	(1) x 1/4" Hilti KWIK HUS-EZ @ 6" o.c. (3000psi uncracked concrete)	See Figure	(3) x #14	490	440	
	43mils (18ga)			(3) x #14	540	520	
DRC6-68	54mils (16ga)			(3) x #14	850	870	
	68mils (14ga)			(3) x #14	850	1170	
	97mils (12ga)			(3) x #14	850	1600	
	33mils (20ga)		See Figure	(3) x #14	490	485	
	43mils (18ga)	(1) x 1/4" Hilti KWIK		(3) x #14	540	620	
DRC8-68	54mils (16ga)	HUS-EZ @ 6" o.c. (3000psi uncracked concrete)		(3) x #14	850	900	
	68mils (14ga)			(3) x #14	850	1105	
	97mils (12ga)			(3) x #14	850	1710	



(3) #14 Deflection Screw Pattern Shown in a DRC6 Clip

Notes:

- 1 Allowable loads (ASD) listed are for Drift Rail Clip where Drift Rail is attached to 3000psi uncracked concrete using (1) x 1/4" Hilti X KWIK HUS-EZ anchor only.
- 2 (1) x 1/4" Hilti KWIK HUS-EZ anchors (nom. embedment depth of 2-1/2", 3000psi uncracked concrete) should be fastened at every 6" o.c. for Drift Rail attachment to structure. Other anchors may be used to achieve full clip capacity but must be designed separately.
- 3 Allowable loads have not been increased for wind, seismic, or other factors.
- 4 Minimum (2) x #14 shouldered screws (for DRC3) and (3) x #14 shouldered screws (for DRC6 and DRC8) must be used to secure the Drift Rail Clip for attachment to stud (#14 shouldered screws provided with each Drift Rail Clip).
- 5 It is the responsibility of the designer to properly detail connections on the contract drawings.

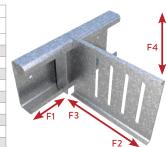
Drift Rail and Clip - Attachment Using (1) 1/4" Hilti KWIK HUS-EZ

ATTACHMENT TO CONCRETE: 1/4" HILTI KWIK HUS-EZ ATTACHMENT TO STUD: FIXED CONNECTION W/(4)#10-16

Drift Rail and Clip - 12ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS USING CLIP AS A FIXED CONNECTION

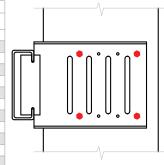
Clip	Stud Mils (Gauge)		Framing Connection		ASD Allowable Loads (lbs)				
designation		Anchor to structure	Screw Pattern	No. of Screws	F1 (In-Plane)	F2 (Tension)	F3 (Compression)	F4 (Shear)	
	33mils (20ga)	(4) 4 / 4"		(4) x #10	155	560	600	280	
	43mils (18ga)	(1) x 1/4" Hilti KWIK		(4) x #10	155	655	670	415	
DRC3-97	54mils (16ga)	HUS-EZ @ 6" o.c. (3000psi uncracked	See Figure	(4) x #10	155	1000	970	840	
	68mils (14ga)	concrete)		(4) x #10	155	1045	1325	865	
	97mils (12ga)			(4) x #10	155	1045	2040	865	
	33mils (20ga)	(4) 4 / 4" 1 1:1-: 12\4/112	See Figure	(4) x #10	155	560	600	235	
	43mils (18ga)	(1) x 1/4" Hilti KWIK HUS-EZ (@ 6" o.c. (3000psi uncracked concrete)		(4) x #10	155	655	670	345	
DRC6-97	54mils (16ga)			(4) x #10	155	1000	970	705	
	68mils (14ga)			(4) x #10	155	1045	1325	725	
	97mils (12ga)			(4) x #10	155	1045	2040	725	
	33mils (20ga)	(4) 4 / 4 // 1 1:1:1:12/4/11/	See Figure	(4) x #10	140	560	620	240	
	43mils (18ga)	(1) x 1/4" Hilti KWIK		(4) x #10	140	655	730	360	
DRC8-97	54mils (16ga)	HUS-EZ @ 6" o.c. (3000psi uncracked concrete)		(4) x #10	140	1000	1060	725	
	68mils (14ga)			(4) x #10	140	1045	1340	745	
	97mils (12ga)			(4) x #10	140	1045	1965	745	



Drift Rail and Clip - 14ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS USING CLIP AS A FIXED CONNECTION

					0311	AG CEIL WO	A FIALD COM	ALCIION	
Clip	Stud Mils (Gauge)		Framing Connection		ASD Allowable Loads (lbs)				
		Anchor to structure	Screw Pattern	No. of Screws	F1 (In-Plane)	F2 (Tension)	F3 (Compression)	F4 (Shear)	
	33mils (20ga)			(4) x #10	115	490	440	280	
	43mils (18ga)	(1) x 1/4" Hilti KWIK		(4) x #10	115	540	520	415	
DRC3-68	54mils (16ga)	HUS-EZ @ 6" o.c. (3000psi uncracked concrete)	See Figure	(4) x #10	115	850	870	740	
	68mils (14ga)			(4) x #10	115	850	1170	740	
	97mils (12ga)			(4) x #10	115	850	1600	805	
	33mils (20ga)		See Figure	(4) x #10	115	490	440	235	
	43mils (18ga)			(4) x #10	115	540	520	345	
DRC6-68	54mils (16ga)			(4) x #10	115	850	870	705	
	68mils (14ga)			(4) x #10	115	850	1170	725	
	97mils (12ga)			(4) x #10	115	850	1600	725	
	33mils (20ga)	(1) x 1/4" Hilti KWIK HUS-EZ @ 6" o.c. (3000psi uncracked concrete)	See Figure	(4) x #10	120	490	485	240	
DRC8-68	43mils (18ga)			(4) x #10	120	540	620	360	
	54mils (16ga)			(4) x #10	120	850	900	725	
	68mils (14ga)			(4) x #10	120	850	1105	745	
	97mils (12ga)			(4) x #10	120	850	1710	745	



(4) #10 Screw Pattern Shown in a DRC6 Clip

Notes:

- 1 Allowable loads (ASD) listed are for Drift Rail Clip where Drift Rail is attached to 3000psi uncracked concrete using (1) x 1/4" Hilti KWIK HUS-EZ anchor only.
- 2 (1) x 1/4" Hilti KWIK HUS-EZ anchors (nom. embedment depth of 2-1/2", 3000psi uncracked concrete) should be fastened at every 6" o.c. for Drift Rail attachment to structure. Other anchors may be used to achieve full clip capacity but must be designed separately.
- 3 Allowable loads have not been increased for wind, seismic, or other factors.
- 4 Where anchors are loaded simultaneously, load interaction must be considered following anchor manufacturer guidelines.
- 5 Use linear load interaction for combined loading conditions.
- 6 Minimum (4) x #10-16 screws must be used to secure the Drift Rail Clip for attachment to stud.
- **7** It is the responsibility of the designer to properly detail connections on the contract drawings.
- 8 F1 (In-Plane) loads are based on using a Drift Locking Clip (DRLC) or Drift Locking Angle (DRLA) restricting Drift Clip lateral movement.

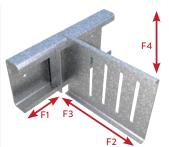
Drift Rail and Clip - Attachment Using (1) 1/4" Hilti KWIK HUS-EZ

ATTACHMENT TO CONCRETE: 1/4" HILTI KWIK HUS-EZ ATTACHMENT TO STUD: FIXED CONNECTION W/(8)#10-16

Drift Rail and Clip - 12ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS USING CLIP AS A FIXED CONNECTION

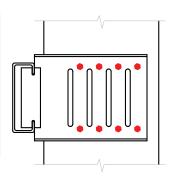
			•		031	NO CLIP A.	A FIXED CON	MECLION
Clip designation	Stud Mils (Gauge)	Anchor to structure	Framing Connection		ASD Allowable Loads (lbs)			
			Screw Pattern	No. of Screws	F1 (In-Plane)	F2 (Tension)	F3 (Compression)	F4 (Shear)
	33mils (20ga)	HUS-EZ @ 6" o.c.	See Figure	(8) x #10	155	560	600	395
	43mils (18ga)			(8) x #10	155	655	670	585
DRC6-97	54mils (16ga)			(8) x #10	155	1000	970	875
	68mils (14ga)			(8) x #10	155	1045	1325	920
	97mils (12ga)			(8) x #10	155	1045	2040	920
	33mils (20ga)	HUS-EZ @ 6" o.c.	C F:	(8) x #10	140	560	620	375
DRC8-97	43mils (18ga)			(8) x #10	140	655	730	555
	54mils (16ga)			(8) x #10	140	1000	1060	910
	68mils (14ga)			(8) x #10	140	1045	1340	910
	97mils (12ga)			(8) x #10	140	1045	1965	910



Drift Rail and Clip - 14ga Clip / 12ga Rail

ALLOWABLE DRIFT RAIL CLIP LOADS USING CLIP AS A FIXED CONNECTION

Stud Mils (Gauge)	Anchor to structure	Framing Connection		ASD Allowable Loads (lbs)			
		Screw Pattern	No. of Screws	F1 (In-Plane)	F2 (Tension)	F3 (Compression)	F4 (Shear)
33mils (20ga)	HUS-EZ @ 6" o.c.		(8) x #10	115	490	440	395
43mils (18ga)		See Figure	(8) x #10	115	540	520	585
54mils (16ga)			(8) x #10	115	850	870	740
68mils (14ga)			(8) x #10	115	850	1170	740
97mils (12ga)			(8) x #10	115	850	1600	805
33mils (20ga)	(1) x 1/4" Hilti KWIK HUS-EZ @ 6" o.c. (3000psi uncracked concrete)	See Figure	(8) x #10	120	490	485	375
43mils (18ga)			(8) x #10	120	540	620	555
54mils (16ga)			(8) x #10	120	850	900	800
68mils (14ga)			(8) x #10	120	850	1105	800
97mils (12ga)			(8) x #10	120	850	1710	865
	Mils (Gauge) 33mils (20ga) 43mils (18ga) 54mils (16ga) 68mils (14ga) 97mils (12ga) 33mils (20ga) 43mils (18ga) 54mils (16ga) 68mils (14ga)	Mils (Gauge) 33mils (20ga) 43mils (18ga) 54mils (16ga) 68mils (14ga) 97mils (12ga) 33mils (20ga) 43mils (18ga) 54mils (16ga) 68mils (14ga) (1) x 1/4" Hilti KWIK HUS-EZ (@ 6" o.c. (3000psi uncracked concrete) (1) x 1/4" Hilti KWIK HUS-EZ (@ 6" o.c. (3000psi uncracked concrete)	Mils (Gauge) 33mils (20ga) 43mils (18ga) 54mils (16ga) 68mils (14ga) 97mils (12ga) 33mils (20ga) 43mils (20ga) 43mils (18ga) 54mils (16ga) 68mils (14ga) Screw Pattern Screw Pattern Screw Pattern See Figure See Figure (3000psi uncracked concrete)	Mils (Gauge) Anchor to structure Screw Pattern No. of Screws 33mils (20ga) (1) x 1/4" Hilti KWIK HUS-EZ (@ 6" o.c. (3000psi uncracked concrete) (8) x #10 54mils (16ga) (3000psi uncracked concrete) (8) x #10 33mils (20ga) (4) x 1/4" Hilti KWIK HUS-EZ (@ 6" o.c. (3000psi uncracked concrete) (8) x #10 54mils (16ga) (5) x 1/4" Hilti KWIK HUS-EZ (@ 6" o.c. (3000psi uncracked concrete) (8) x #10 54mils (14ga) (5) x 1/4" Hilti KWIK HUS-EZ (@ 6" o.c. (3000psi uncracked concrete) (8) x #10 68mils (14ga) (8) x #10 68mils (14ga) (8) x #10	Mils (Gauge) Anchor to structure Screw Pattern No. of Screws F1 (In-Plane) 33mils (20ga) 43mils (18ga) (1) x 1/4" Hilti KWIK HUS-EZ (@ 6" o.c. (3000psi uncracked concrete) See Figure (8) x #10 115 97mils (12ga) 33mils (20ga) (8) x #10 115 43mils (18ga) (1) x 1/4" Hilti KWIK HUS-EZ (@ 6" o.c. (3000psi uncracked concrete) (8) x #10 115 54mils (16ga) (8) x #10 120 54mils (16ga) (8) x #10 120 68mils (14ga) (8) x #10 120 (8) x #10 120	Mils (Gauge) Anchor to structure Screw Pattern No. of Screws F1 (In-Plane) F2 (Tension)	Mils (Gauge) Anchor to structure Screw Pattern No. of Screws F1 (In-Plane) F2 (Tension) F3 (Compression)



(8) #10 Screw Pattern Shown in a DRC6 Clip

Notes:

- 1 Allowable loads (ASD) listed are for Drift Rail Clip where Drift Rail is attached to 3000psi uncracked concrete using (1) x 1/4" Hilti KWIK HUS-EZ anchor only.
- 2 (1) x 1/4" Hilti KWIK HUS-EZ anchors (nom. embedment depth of 2-1/2", 3000psi uncracked concrete) should be fastened at every 6" o.c. for Drift Rail attachment to structure. Other anchors may be used to achieve full clip capacity but must be designed separately.
- 3 Allowable loads have not been increased for wind, seismic, or other factors.
- 4 Where anchors are loaded simultaneously, load interaction must be considered following anchor manufacturer guidelines.
- 5 Use linear load interaction for combined loading conditions.
- 6 Minimum (8) x #10-16 screws must be used to secure the Drift Rail Clip for attachment to stud.
- 7 It is the responsibility of the designer to properly detail connections on the contract drawings.
- 8 F1 (In-Plane) loads are based on using a Drift Locking Clip (DRLC) or Drift Locking Angle (DRLA) restricting Drift Clip lateral movement.