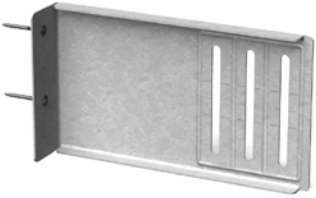
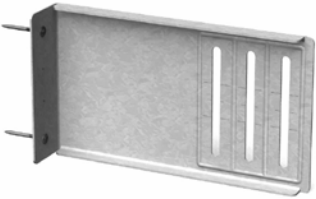


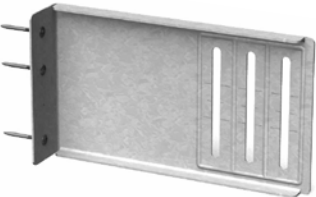
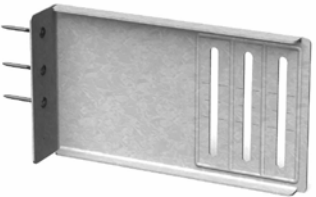
8" 97-mil Extended FastClip™ Slide Clip (FCEC)

12-ga EXTENDED FastClip ALLOWABLE LOADS (LBS)

Anchor type	Stud thickness and yield strength	No. anchors to structure	Allowable load* (lbs)	Allowable load# (lbs)
Weld (Fillet/Flare Groove) E60XX	20ga (33mil) 33ksi	(3) 1" x 1/16"	608	608
	18ga (43mil) 33ksi	(3) 1" x 1/16"	905	905
	16ga (54mil) 50ksi	(3) 1" x 1/16"	1838	1838
	14ga (68mil) 50ksi	(3) 1" x 1/16"	2180	2180
	12ga (97mil) 50ksi	(3) 1" x 1/16"	2587	2587
Buildex #12-24 Self-Drilling Screws to 3/16" Steel	20ga (33mil) 33ksi	2	608	608
		3	608	608
		4	608	608
	18ga (43mil) 33ksi	2	905	905
		3	905	905
		4	905	905
	16ga (54mil) 50ksi	2	1004	1004
		3	1261	1506
		4	1261	1838
	14ga (68mil) 50ksi	2	1004	1004
		3	1261	1506
		4	1261	2008
12ga (97mil) 50ksi	2	1004	1004	
	3	1261	1506	
	4	1261	2008	
Hilti 0.157" X-U Powder-Actuated Fasteners (PAF) to 3/16" Steel	20ga (33mil) 33ksi	2	608	608
		3	608	608
		4	608	608
	18ga (43mil) 33ksi	2	905	905
		3	905	905
		4	905	905
	16ga (54mil) 50ksi	2	1064	1064
		3	1261	1596
		4	1261	1838
	14ga (68mil) 50ksi	2	1064	1064
		3	1261	1596
		4	1261	2129
12ga (97mil) 50ksi	2	1064	1064	
	3	1261	1596	
	4	1261	2129	
Generic Fasteners to 3/16" Steel	20ga (33mil) 33ksi	n	608	608
	18ga (43mil) 33ksi	n	905	905
	16ga (54mil) 50ksi	n	1261	1835
	14ga (68mil) 50ksi	n	1261	2180
	12ga (97mil) 50ksi	n	1261	2587
Ultimate Clip Capacity	20ga (33mil) 33ksi	-	-	1825
	18ga (43mil) 33ksi	-	-	2715
	16ga (54mil) 50ksi	-	-	5514
	14ga (68mil) 50ksi	-	-	6541
	12ga (97mil) 50ksi	-	-	7762



Location Options with (2) Anchors



Location Options with (3) Anchors



(4) Anchors

Notes:

- 1 Tabulated allowable loads do not include a 1/3 stress increase for wind.
- 2 * - Allowable capacity includes 1/8" service load limit.
- 3 # - Allowable capacity does not include 1/8" service load limit.
- 4 Allowable weld capacities were calculated by assuming 3 x 1" long welds at the ends and center of the clip bend.
- 5 Listed weld capacities were calculated assuming an E60XX electrode.
- 6 Mechanical fasteners should be attached to the structure in accordance with the manufacturer's instructions. All fasteners were assumed to be installed at a distance of 3/4" from the bend of the structural leg.
- 7 Generic fastener capacities were calculated by considering clip-stud interaction, behavior of clip in tension and compression only. The design professional has to detail for clip and desired fastener installation.
- 8 n - Number of generic mechanical fasteners required for connection to be determined by a design professional. Capacity should not exceed tabulated allowable loads.
- 9 Ultimate clip capacities were tabulated for the purpose of blast loads and they do not assume a safety factor.
- 10 Ultimate clip capacities were calculated by assuming 3 x 1" long weld at the structural leg of the clip (clip bend) welded to 3/16" steel.
- 11 It is the responsibility of the design professional to detail the project drawings for proper clip and fastener installation.
- 12 Buildex is a registered trademark of Illinois Tool Works, Inc.
- 13 Hilti is a registered trademark of Hilti Aktiengesellschaft Corporation.