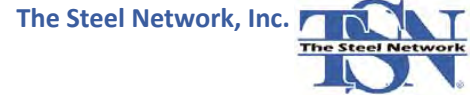


The Steel Network, Inc.

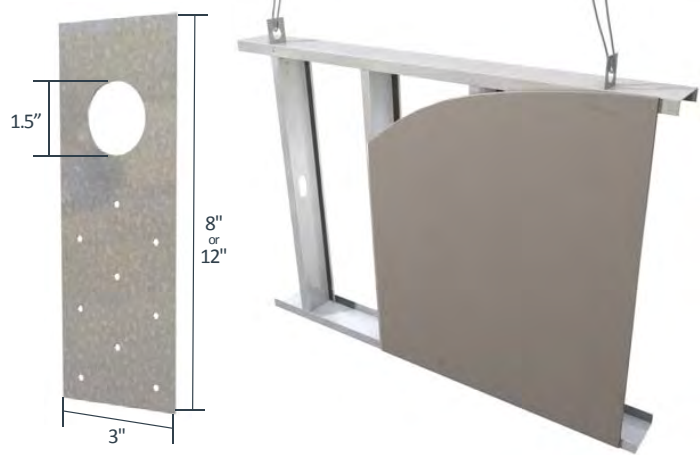
StiffClip® PLC

Panel Lift Clip



Material Composition

ASTM A1003/A1003M Structural Grade 50 (340) Type H, ST50H (ST340H): 50ksi (340MPa) minimum yield strength, 65ksi (450MPa) minimum tensile strength, 97mil minimum thickness (12 gauge, 0.1017" design thickness) with ASTM A653/A653M G90 (Z275) hot dipped galvanized coating.



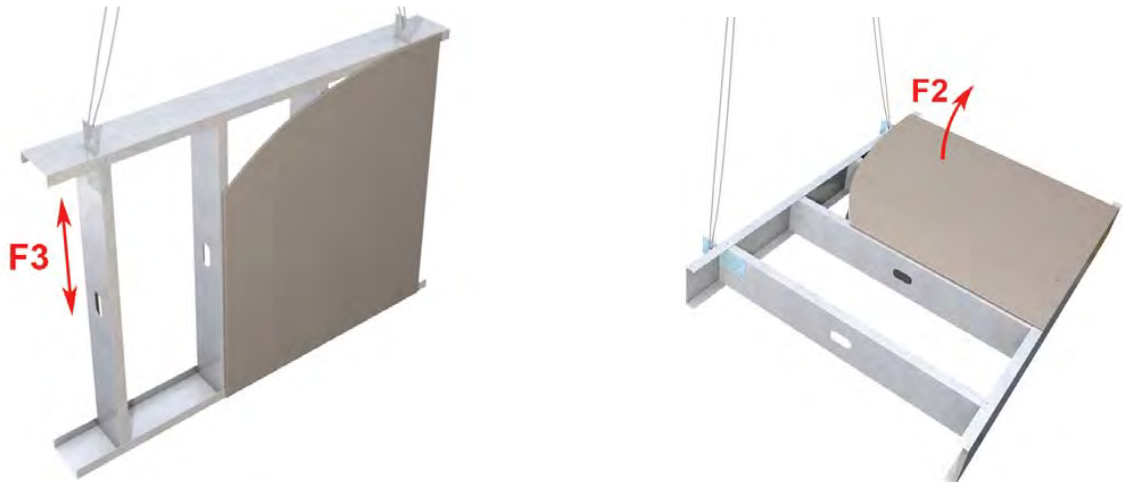
StiffClip PLC Allowable Loads

StiffClip® PLC, Recommended Allowable Load for Steel Framing (lbs): F3 & F2													
Stud		F3						F2					
		PLC-8			PLC-12			PLC-8			PLC-12		
Thickness Mils (ga)	Yield Strength (ksi)	w/3 #10 Screws	w/5 #10 Screws	w/9 #10 Screws	w/5 #10 Screws	w/9 #10 Screws	w/15 #10 Screws	w/3 #10 Screws	w/5 #10 Screws	w/9 #10 Screws	w/5 #10 Screws	w/9 #10 Screws	w/15 #10 Screws
33 (20)	33	531	885	1,593	885	1,593	1,915	126	211	312	182	267	496
33 (20)	50	765	1,275	1,915	1,275	1,915	1,915	181	303	449	263	385	714
43 (18)	33	789	1,315	1,915	1,315	1,915	1,915	187	313	463	271	397	736
43 (18)	50	1,140	1,900	1,915	1,900	1,915	1,915	270	452	669	391	574	1,064
54 (16)	33	1,110	1,850	1,915	1,850	1,915	1,915	263	440	651	381	559	1,036
54 (16)	50	1,602	1,915	1,915	1,915	1,915	1,915	379	635	940	550	806	1,270
68 (14)	50	1,644	1,915	1,915	1,915	1,915	1,915	389	652	964	564	827	1,270
97 (12)	50	1,644	1,915	1,915	1,915	1,915	1,915	389	652	964	564	827	1,270
118 (10)	50	1,644	1,915	1,915	1,915	1,915	1,915	389	652	964	564	827	1,270

Notes:

- Clip F2 allowable load = 1.270 kips based on testing
- Clip F3 allowable load = 1.915 kips based on testing.
- Attachment is made with #10 screws minimum.
- Spacing between clips to be controlled by weight of panel and presence of a spreader bar or a load distribution member

Load Direction



Nomenclature

StiffClip PLC is available in two sizes and is designated by the length of the clip, followed by mil thickness (-97)

Example: 8" Connector

Designate: StiffClip® PLC-8-97

Example Details



Double Attachment to Wall at End Stud



Attachment to Wall at Intermediate Stud



Attachment to Stud Web