

## (FB33) FastBridge™ Clip Design Tables w/ Non-Structural Studs

INSTALLATION REQUIREMENTS FOR LATERAL PRESSURE OF STUDS at 16" o.c. with Bracing Distance from 4-ft to 8-ft																					
Stud Section	ProSTUD Thickness (Mils.)	FastBridge Type	Lateral Pressure (psf) and Bracing Distance (ft)																		
			5					7.5					10					15			
			4	5	6	7	8	4	5	6	7	8	4	5	6	7	8	4	5	6	7
362PDS125	15	CDBS-FB33	1*					1*					1*					1*		7	8
	19																			2*	
	22																			2*	
	30																				
	33																				
600PDS125	15	CDBS-FB33	1*					1*					1*					1*			
	19																				
	22																				
	30																				
	33																				

**NOTES:**

- Lateral pressure shall be determined based on load combinations of the applicable code. For designs in accordance with the 2009 IBC or earlier, wind pressures are at working stress level.
- For designs in accordance with the 2012 IBC, wind pressures are at strength level and must be multiplied by 0.6 for ASD load combinations.
- Tabulated tables are for ASD lateral pressure. Please contact ClarkDietrich Technical Support for LRFD solutions.
- 1\* designates One #10 screw can be used for FB33 Bridge Clip.
- 2\* designates Two #10 screws should be used for FB33 Bridge Clip.
- Blank areas in the tables indicate that FB33 Bridge Clip cannot be used. Please contact ClarkDietrich Technical Support for more information and alternatives.

INSTALLATION REQUIREMENTS FOR LATERAL PRESSURE OF STUDS at 24" o.c. with Bracing Distance from 4-ft to 8-ft																					
Stud Section	ProSTUD Thickness (Mils.)	FastBridge Type	Lateral Pressure (psf) and Bracing Distance (ft)																		
			5					7.5					10					15			
			4	5	6	7	8	4	5	6	7	8	4	5	6	7	8	4	5	6	7
362PDS125	15	CDBS-FB33	1*					1*					1*					1*		7	8
	19																			2*	
	22																			2*	
	30																				
	33																				
600PDS125	15	CDBS-FB33	1*					1*					1*					1*		2*	
	19																				
	22																				
	30																				
	33																				

**NOTES:**

- Lateral pressure shall be determined based on load combinations of the applicable code. For designs in accordance with the 2009 IBC or earlier, wind pressures are at working stress level.
- For designs in accordance with the 2012 IBC, wind pressures are at strength level and must be multiplied by 0.6 for ASD load combinations.
- Tabulated tables are for ASD lateral pressure. Please contact ClarkDietrich Technical Support for LRFD solutions.
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## (FB33) FastBridge™ Clip Load Tables w/ Non-Structural Studs

FB33: FastBridge Connectors with ProSTUD Drywall Studs								
Model No.	ProSTUD Depth (in)	Allowable Capacities	No. of Screws	ProSTUD Member Designation (Mils.)				
				PDS125-15	PDS125-19	PDS125-22	PDS125-30	PDS125-33
CDBS-FB33	3.625	Torsional Moment (in-lbs)	1	97	132	136	148	148
			2	148	279	282	286	286
CDBS-FB33	6.000	Torsional Moment (in-lbs)	1	106	131	145	165	166
			2	205	277	277	277	277

**Table Notes:**

- Allowable loads are based on cold-formed steel studs with a minimum yield strength specified for ProSTUD Members.
- Allowable loads are based on 54 mil (16 ga.) u-channel bridging with a minimum yield strength, Fy=33ksi and tensile strength, Fu=45ksi.
- Allowable loads consider the bridging connection only. It is the responsibility of the designer to verify the strength and serviceability of the framing members.
- Allowable loads are based on #10 self-drilling screws with a nominal diameter of 0.190-in and a washer diameter of 0.375-in. Fasteners must have a minimum nominal shear strength, Pss=1718-lbs and a nominal tensile strength, Pts=2654-lbs
- Allowable loads may not be increased for wind or seismic load
- Allowable loads are for use when utilizing ASD (Allowable Stress Design) methodology. For LRFD loads multiply the ASD tabulated values by 1.6
- Allowable brace strength are based on ultimate test load divided by a safety factor. Serviceability limit is not considered, as brace stiffness requirements are given in section D3.3 of AISI S100-2007 w/ S2-10 or 2012
- Tabulated stiffness values apply to both ASD and LRFD designs