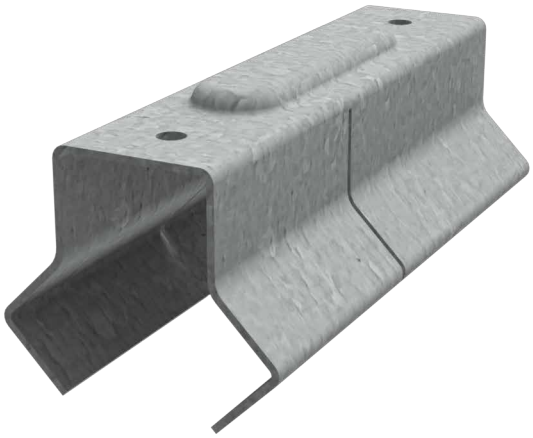
CC33 3/4" Channel Clip

33mils (20 gauge) lateral bracing clip used to secure 3/4" U-channel (cold-rolled channel) to drywall studs

The ClarkDietrich CC33 clip is used to secure U-Channel or Cold-Rolled Channel (CRC) to non-structural wall studs. The wall stud friction fit design allows for as few as one screw for the connection to the U-Channel.



The CC33 clip is a stiffened, G90 galvanized steel clip that's tested and designed to facilitate the rapid, efficient installation of 3/4" U-Channel lateral bracing for non-structural interior wall framing constructed of ProSTUD® Drywall Framing or non-structural studs. The CC33 clip should not be used in studs over 6" wide.

PRODUCT DIMENSIONS

Made to fit over ¾" U-Channel and inside a drywall punchout.
Packaging: (200) pieces per bucket
Product weight: 0.12 lb/piece

MATERIAL SPECIFICATIONS

Gauge: 20gauge (33mils)
Design Thickness: 0.0346 inches
Coating: G90
Yield Strength: 33ksi
ASTM: C645, A1003

ALTERNATIVE PRODUCTS

- U-Channel with SwiftClip™ LS-Series™ Support Clip
- Spazzer® 9200 Bridging Bar

INSTALLATION

CC33 clips are fastened using #8 self-drilling screws driven through the clip hole into the U-Channel. More than one screw may be needed depending on design. Design loads and tables can be found at clarkdietrich.com.

CC33 3/4" Channel Clip (CC33)

Clip Designation	Thickness		Packaging Pcs./Bucket
	mils (ga)	Design Thickness (in)	
CC33	33 (20)	0.0346	200

U.S. Patent No. D822,455

CC33 3/4" Channel Clip

DRYWALL BRIDGING CONNECTOR W/ PROSTUD DRYWALL STUDS

Clip Designation	Stud Member	Stud Thickness (mils)	Allowable Torsional Moment (in-lbs)	
			1 - #8 Screw	2 - #8 Screw
CC33	362PDS125	PDS125-15	50	70
		PDS125-19	70	90
		PDS125-22	85	100
		PDS125-30	90	125
		PDS125-33	90	135
	600PDS125	PDS125-15	70	85
		PDS125-19	95	100
		PDS125-22	95	100
		PDS125-30	100	125
		PDS125-33	100	140

Notes:

1 Allowable loads are based on cold-formed steel studs with a minimum yield strength specified for ProSTUD Members.
2 Allowable loads are based on 54 mils (16ga) u-channel bridging with a minimum yield strength, Fy=33ksi and tensile strength, Fu=45ksi.
3 Allowable loads consider the bridging connection only. It is the responsibility of the designer to verify the strength and serviceability of the framing members.
4 Allowable loads are based on #8 self-drilling screws with a nominal diameter of 0.164-in and a head diameter of 0.272-in. Fasteners must have a minimum nominal shear strength, Pss=1278-lbs and a nominal tensile strength, Pts=586-lbs.
5 Screw shear strength is the average value, and tension strength is the lowest value listed on CFSEI Tech Note (F701-23).
6 Allowable loads may not be increased for wind or seismic load.
7 Allowable loads are for use when utilizing ASD (Allowable Stress Design) methodology. For LRFD loads multiply the ASD tabulated values by 1.6.

CC33 Maximum Bridging Distance (ft.)

Stud Spacing (in)	Stud Member	Stud Thickness (mils)	Lateral Stud Pressure (psf)			
			5psf	10psf	5psf	10psf
			1 - #8 Screw	1 - #8 Screw	2 - #8 Screw	2 - #8 Screw
12	362PDS125	PDS125-15	8	4	8	5
		PDS125-19	8	5	8	7
		PDS125-22	8	7	8	8
		PDS125-30	8	7	8	8
		PDS125-33	8	7	8	8
	600PDS125	PDS125-15	8	6	8	8
		PDS125-19	8	8	8	8
		PDS125-22	8	8	8	8
		PDS125-30	8	8	8	8
		PDS125-33	8	8	8	8
16	362PDS125	PDS125-15	6	3	8	4
		PDS125-19	8	4	8	5
		PDS125-22	8	5	8	6
		PDS125-30	8	5	8	7
		PDS125-33	8	5	8	8
	600PDS125	PDS125-15	8	5	8	6
		PDS125-19	8	6	8	6
		PDS125-22	8	7	8	7
		PDS125-30	8	7	8	8
		PDS125-33	8	7	8	8
24	362PDS125	PDS125-15	4	2	5	3
		PDS125-19	5	3	7	3
		PDS125-22	7	3	8	4
		PDS125-30	7	4	8	5
		PDS125-33	7	4	8	5
	600PDS125	PDS125-15	6	3	8	4
		PDS125-19	8	4	8	4
		PDS125-22	8	4	8	5
		PDS125-30	8	5	8	6
		PDS125-33	8	5	8	7

Notes:

1 Tabulated maximum bridging distances are for ASD lateral pressures.
2 Tabulated maximum bridging distances are based on the CC33 tested connection strength.
3 Studs must be checked for unbraced length separately.
4 Lateral pressures shall be determined based on the load combinations of the applicable building code.