

3-1/2" RHLC - 350RHLC250-33

The RHLC header clip is designed to work with the RedHeader Lite Framing systems.

This simple, yet innovative header bracket turns interior header installation from a two-person job into a one-person job. This unique, pre-punched clip also eliminates surface head fastener buildup that can create finishing challenges. It is available in a variety of sizes to meet different application requirements.

Product Data & Ordering Information:

Material:	33 ksi
Coating:	G90 (Z275) hot-dipped galvanized
Thickness:	33mils (20ga), 0.0346" Design thickness
Depth (D):	3-1/2"
Packaging:	Sold in pairs

Nominal, ASD, and LRFD Capacity Design Values

Framing Member	Framing Member		Jamb Fasteners	Header Fasteners	F1 Load (lbs)			F2 Load (lbs)		
	Thickness (in)	Yield Strength			Nom	ASD	LRFD	Nom	ASD	LRFD
362RHL250-33	0.0346	33 ksi	4 x #10	4 x #10	1170	600	960	895	190	190
362RHL250-43	0.0451	33 ksi	4 x #10	4 x #10	1435	735	1180	1555	245	245

Table Notes:

- Listed Capacities were derived from calculations and structural tests in accordance with provisions of AISI S100 and ICC-ES AC261.
- The resistance factor/safety factor for design loads has been calculated according to Chapter K of AISI S100 dependent on Member or Connection Failure.
- #10-16 HWH Screws (0.19-in dia) were used to attach Brackets to Header and Jamb members through the provided holes. The screws shall have a minimum shear capacity of 1400 lbs and minimum tension capacity of 1158 lbs.
- It is the responsibility of the design professional to detail the project drawings for proper RHLC Brackets installation.
- For simultaneous F1 and F2 loading, use the following interaction equation: $(f1/F1)^2 + (f2/F2)^2 < 1.0$, where f1 and f2 are the applied loads and F1 and F2 are the appropriate allowable loads.

Code Approvals & Performance Standards

- [AISI S100-16 \(2020\) w/S2-20](#) North American Specification for the Design of Cold-Formed Steel Structural Members
- [AISI S240-20](#) North American Standard for Cold-Formed Steel Structural Framing
 - (Compliant to ASTM C955, but IBC replaced with AISI S200 in IBC 2015, AISI S240 in IBC 2018)
 - Section A3 Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
 - Section A4 Corrosion Protection (Referencing ASTM A653/A653M)
 - Section C Installation - (Referencing ASTM C1007)
- [SDS For ASTM A1003 Steel Framing Products](#) For Interior Framing, Exterior Framing and Clips/Accessories

Sustainability Credits For more details and LEED letters contact Technical Services at 888-437-3244 or visit clarkdietrich.com/LEED.

- LEED v4.1 MR Credit:** Environmental Product Declarations: EPD (1 point) - Sourcing of Raw Materials (up to 2 points) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points)
- LEED v4 MR Credit:** Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).

