Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with RHLC Clip

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 5, Dead Load (psf) = 10														
				Strong Axis Deflection Targets														
				L/120					L/240					L/360				
				Opening Heights														
				7	8	9	10	11	7	8	9	10	11	7	8	9	10	11
9	2-1/2	250RHL250-33	33 (20)	7'-10"	9'-5"	-	-	-	7'-10"	9'-5"	-	-	-	7'-10"	8'-5"	-	-	-
		250RHL250-43	43 (18)	9'-2"	10'-11"	-	-	-	9'-2"	10'-8"	-	-	-	9'-2"	9'-4"	-	-	-
	3-5/8	362RHL250-33	33 (20)	8'-4"	10'-5"	-	-	-	8'-4"	10'-5"	-	-	-	8'-4"	10'-5"	-	-	-
		362RHL250-43	43 (18)	9'-11"	12'-3"	-	-	-	9'-11"	12'-3"	-	-	-	9'-11"	12'-3"	-	-	-
	4	400RHL250-33	33 (20)	8'-6"	10'-7"	-	-	-	8'-6"	10'-7"	-	-	-	8'-6"	10'-7"	-	-	-
		400RHL250-43	43 (18)	10'-0"	12'-6"	-	-	-	10'-0"	12'-6"	-	-	-	10'-0"	12'-6"	-	-	-
	6	600RHL250-33	33 (20)	8'-9"	11'-4"	-	-	-	8'-9"	11'-4"	-	-	-	8'-9"	11'-4"	-	-	-
		600RHL250-43	43 (18)	10'-6"	13'-1"	-	-	-	10'-6"	13'-1"	-	-	-	10'-6"	13'-1"	-	-	-
10	2-1/2	250RHL250-33	33 (20)	6'-9"	7'-10"	9'-4"	-	-	6'-9"	7'-10"	9'-4"	-	-	6'-9"	7'-10"	8'-1"	-	-
		250RHL250-43	43 (18)	8'-0"	9'-1"	10'-9"	-	-	8'-0"	9'-1"	10'-4"	-	-	8'-0"	9'-0"	9'-0"	-	-
	3-5/8	362RHL250-33	33 (20)	7'-2"	8'-4"	10'-4"	-	-	7'-2"	8'-4"	10'-4"	-	-	7'-2"	8'-4"	10'-4"	-	-
		362RHL250-43	43 (18)	8'-5"	9'-10"	12'-1"	-	-	8'-5"	9'-10"	12'-1"	-	-	8'-5"	9'-10"	11'-11"	-	-
	4	400RHL250-33	33 (20)	7'-3"	8'-5"	10'-6"	-	-	7'-3"	8'-5"	10'-6"	-	-	7'-3"	8'-5"	10'-6"	-	-
		400RHL250-43	43 (18)	8'-6"	10'-0"	12'-4"	-	-	8'-6"	10'-0"	12'-4"	-	-	8'-6"	10'-0"	12'-4"	-	-
	6	600RHL250-33	33 (20)	7'-5"	8'-9"	11'-3"	-	-	7'-5"	8'-9"	11'-3"	-	-	7'-5"	8'-9"	11'-3"	-	-
		600RHL250-43	43 (18)	8'-9"	10'-5"	13'-1"	-	-	8'-9"	10'-5"	13'-1"	-	-	8'-9"	10'-5"	13'-1"	-	-
11	2-1/2	250RHL250-33	33 (20)	6'-1"	6'-9"	7'-10"	9'-4"	-	6'-1"	6'-9"	7'-10"	9'-0"	-	6'-1"	6'-9"	7'-10"	7'-10"	-
		250RHL250-43	43 (18)	7'-1"	8'-0"	9'-0"	10'-8"	-	7'-1"	8'-0"	9'-0"	10'-0"	-	7'-1"	8'-0"	8'-9"	8'-9"	-
	3-5/8	362RHL250-33	33 (20)	6'-4"	7'-2"	8'-4"	10'-3"	-	6'-4"	7'-2"	8'-4"	10'-3"	-	6'-4"	7'-2"	8'-4"	10'-3"	-
		362RHL250-43	43 (18)	7'-6"	8'-5"	9'-9"	12'-0"	-	7'-6"	8'-5"	9'-9"	12'-0"	-	7'-6"	8'-5"	9'-9"	11'-6"	-
	4	400RHL250-33	33 (20)	6'-5"	7'-3"	8'-5"	10'-6"	-	6'-5"	7'-3"	8'-5"	10'-6"	-	6'-5"	7'-3"	8'-5"	10'-6"	-
		400RHL250-43	43 (18)	7'-7"	8'-6"	9'-11"	12'-2"	-	7'-7"	8'-6"	9'-11"	12'-2"	-	7'-7"	8'-6"	9'-11"	12'-2"	-
	6	600RHL250-33	33 (20)	6'-6"	7'-5"	8'-9"	11'-2"	-	6'-6"	7'-5"	8'-9"	11'-2"	-	6'-6"	7'-5"	8'-9"	11'-2"	-
		600RHL250-43	43 (18)	7'-9"	8'-9"	10'-4"	13'-1"	-	7'-9"	8'-9"	10'-4"	13'-1"	-	7'-9"	8'-9"	10'-4"	13'-1"	-
12	2-1/2	250RHL250-33	33 (20)	5'-6"	6'-1"	6'-9"	7'-10"	9'-4"	5'-6"	6'-1"	6'-9"	7'-10"	8'-9"	5'-6"	6'-1"	6'-9"	7'-8"	7'-8"
		250RHL250-43	43 (18)	6'-6"	7'-1"	8'-0"	9'-0"	10'-8"	6'-6"	7'-1"	8'-0"	9'-0"	9'-8"	6'-6"	7'-1"	8'-0"	8'-6"	8'-6"
	3-5/8	362RHL250-33	33 (20)	5'-9"	6'-4"	7'-2"	8'-4"	10'-3"	5'-9"	6'-4"	7'-2"	8'-4"	10'-3"	5'-9"	6'-4"	7'-2"	8'-4"	10'-1"
		362RHL250-43	43 (18)	6'-10"	7'-6"	8'-5"	9'-9"	11'-10"	6'-10"	7'-6"	8'-5"	9'-9"	11'-10"	6'-10"	7'-6"	8'-5"	9'-9"	11'-2"
	4	400RHL250-33	33 (20)	5'-9"	6'-5"	7'-3"	8'-5"	10'-5"	5'-9"	6'-5"	7'-3"	8'-5"	10'-5"	5'-9"	6'-5"	7'-3"	8'-5"	10'-5"
		400RHL250-43	43 (18)	6'-10"	7'-7"	8'-6"	9'-11"	12'-2"	6'-10"	7'-7"	8'-6"	9'-11"	12'-2"	6'-10"	7'-7"	8'-6"	9'-11"	12'-1"
	6	600RHL250-33	33 (20)	5'-10"	6'-6"	7'-5"	8'-9"	11'-2"	5'-10"	6'-6"	7'-5"	8'-9"	11'-2"	5'-10"	6'-6"	7'-5"	8'-9"	11'-2"
		600RHL250-43	43 (18)	7'-0"	7'-9"	8'-9"	10'-4"	13'-1"	7'-0"	7'-9"	8'-9"	10'-4"	13'-1"	7'-0"	7'-9"	8'-9"	10'-4"	13'-1"
13	2-1/2	250RHL250-33	33 (20)	5'-1"	5'-6"	6'-1"	6'-9"	7'-10"	5'-1"	5'-6"	6'-1"	6'-9"	7'-10"	5'-1"	5'-6"	6'-1"	6'-9"	7'-5"
		250RHL250-43	43 (18)	6'-0"	6'-6"	7'-1"	8'-0"	9'-0"	6'-0"	6'-6"	7'-1"	8'-0"	9'-0"	6'-0"	6'-6"	7'-1"	8'-0"	8'-3"
	3-5/8	362RHL250-33	33 (20)	5'-3"	5'-9"	6'-4"	7'-2"	8'-4"	5'-3"	5'-9"	6'-4"	7'-2"	8'-4"	5'-3"	5'-9"	6'-4"	7'-2"	8'-4"
		362RHL250-43	43 (18)	6'-3"	6'-10"	7'-6"	8'-5"	9'-9"	6'-3"	6'-10"	7'-6"	8'-5"	9'-9"	6'-3"	6'-10"	7'-6"	8'-5"	9'-9"
	4	400RHL250-33	33 (20)	5'-4"	5'-9"	6'-5"	7'-3"	8'-5"	5'-4"	5'-9"	6'-5"	7'-3"	8'-5"	5'-4"	5'-9"	6'-5"	7'-3"	8'-5"
		400RHL250-43	43 (18)	6'-4"	6'-10"	7'-7"	8'-6"	9'-11"	6'-4"	6'-10"	7'-7"	8'-6"	9'-11"	6'-4"	6'-10"	7'-7"	8'-6"	9'-11"
	6	600RHL250-33	33 (20)	5'-4"	5'-10"	6'-6"	7'-5"	8'-9"	5'-4"	5'-10"	6'-6"	7'-5"	8'-9"	5'-4"	5'-10"	6'-6"	7'-5"	8'-9"
		600RHL250-43	43 (18)	6'-5"	7'-0"	7'-9"	8'-9"	10'-4"	6'-5"	7'-0"	7'-9"	8'-9"	10'-4"	6'-5"	7'-0"	7'-9"	8'-9"	10'-4"
14	2-1/2	250RHL250-33	33 (20)	4'-9"	5'-1"	5'-6"	6'-1"	6'-9"	4'-9"	5'-1"	5'-6"	6'-1"	6'-9"	4'-9"	5'-1"	5'-6"	6'-1"	6'-9"
		250RHL250-43	43 (18)	5'-7"	6'-0"	6'-6"	7'-1"	8'-0"	5'-7"	6'-0"	6'-6"	7'-1"	8'-0"	5'-7"	6'-0"	6'-6"	7'-1"	8'-0"
	3-5/8	362RHL250-33	33 (20)	5'-0"	5'-3"	5'-9"	6'-4"	7'-2"	5'-0"	5'-3"	5'-9"	6'-4"	7'-2"	5'-0"	5'-3"	5'-9"	6'-4"	7'-2"
		362RHL250-43	43 (18)	5'-10"	6'-3"	6'-10"	7'-6"	8'-5"	5'-10"	6'-3"	6'-10"	7'-6"	8'-5"	5'-10"	6'-3"	6'-10"	7'-6"	8'-5"
	4	400RHL250-33	33 (20)	5'-0"	5'-4"	5'-9"	6'-5"	7'-3"	5'-0"	5'-4"	5'-9"	6'-5"	7'-3"	5'-0"	5'-4"	5'-9"	6'-5"	7'-3"
		400RHL250-43	43 (18)	5'-11"	6'-4"	6'-10"	7'-7"	8'-6"	5'-11"	6'-4"	6'-10"	7'-7"	8'-6"	5'-11"	6'-4"	6'-10"	7'-7"	8'-6"
	6	600RHL250-33	33 (20)	5'-0"	5'-4"	5'-10"	6'-6"	7'-5"	5'-0"	5'-4"	5'-10"	6'-6"	7'-5"	5'-0"	5'-4"	5'-10"	6'-6"	7'-5"
		600RHL250-43	43 (18)	6'-0"	6'-5"	7'-0"	7'-9"	8'-9"	6'-0"	6'-5"	7'-0"	7'-9"	8'-9"	6'-0"	6'-5"	7'-0"	7'-9"	8'-9"
15	2-1/2	250RHL250-33	33 (20)	4'-6"	4'-9"	5'-1"	5'-6"	6'-1"	4'-6"	4'-9"	5'-1"	5'-6"	6'-1"	4'-6"	4'-9"	5'-1"	5'-6"	6'-1"
		250RHL250-43	43 (18)	5'-3"	5'-7"	6'-0"	6'-6"	7'-1"	5'-3"	5'-7"	6'-0"	6'-6"	7'-1"	5'-3"	5'-7"	6'-0"	6'-6"	7'-1"
	3-5/8	362RHL250-33	33 (20)	4'-7"	5'-0"	5'-3"	5'-9"	6'-4"	4'-7"	5'-0"	5'-3"	5'-9"	6'-4"	4'-7"	5'-0"	5'-3"	5'-9"	6'-4"
		362RHL250-43	43 (18)	5'-6"	5'-10"	6'-3"	6'-10"	7'-6"	5'-6"	5'-10"	6'-3"	6'-10"	7'-6"	5'-6"	5'-10"	6'-3"	6'-10"	7'-6"
	4	400RHL250-33	33 (20)	4'-8"	5'-0"	5'-4"	5'-9"	6'-5"	4'-8"	5'-0"	5'-4"	5'-9"	6'-5"	4'-8"	5'-0"	5'-4"	5'-9"	6'-5"
		400RHL250-43	43 (18)	5'-6"	5'-11"	6'-4"	6'-10"	7'-7"	5'-6"	5'-11"	6'-4"	6'-10"	7'-7"	5'-6"	5'-11"	6'-4"	6'-10"	7'-7"
	6	600RHL250-33	33 (20)	4'-8"	5'-0"	5'-4"	5'-10"	6'-6"	4'-8"	5'-0"	5'-4"	5'-10"	6'-6"	4'-8"	5'-0"	5'-4"	5'-10"	6'-6"
		600RHL250-43	43 (18)	5'-7"	6'-0"	6'-5"	7'-0"	7'-9"	5'-7"	6'-0"	6'-5"	7'-0"	7'-9"	5'-7"	6'-0"	6'-5"	7'-0"	7'-9"

Notes:

1 All headers require the attachment of the RHLC connector at each end with headers installed open side up.

2 Recommended RHLC connector attachments above are based on the jamb stud thickness being equal to or greater than header thickness.

3 Header framing was calculated with a sill height of 0" for worst case design.

4 Section properties are based on the AISI S100-16 (2020) w/S2-20.

5 Increase strength in cold work of forming was used per AISI S100 section A3.3.2.

6 For deflection calculations, the effective moment of inertia was used. Reference the AISI S100 commentary B5.

7 On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.

8 Dead load deflection calculations are limited to L/240 or 0.5" maximum deflection.

9 For Wall Dead Load calculations, 10psf is used for interior framing.

10 Header lengths should be ordered 1/2" shorter to fit inside clips. Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".

11 Spans listed are based on unpunched members.

12 Span tables are based on ASD load capacities for the RHLC connector.

Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with RHLC Clip

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 7.5, Dead Load (psf) = 10														
				Strong Axis Deflection Targets														
				L/120					L/240					L/360				
				Opening Heights														
				7	8	9	10	11	7	8	9	10	11	7	8	9	10	11
9	2-1/2	250RHL250-33	33 (20)	7'-3"	8'-6"	-	-	-	7'-3"	8'-5"	-	-	-	7'-3"	7'-4"	-	-	-
		250RHL250-43	43 (18)	8'-5"	9'-9"	-	-	-	8'-5"	9'-4"	-	-	-	8'-2"	8'-2"	-	-	-
	3-5/8	362RHL250-33	33 (20)	7'-10"	9'-6"	-	-	-	7'-10"	9'-6"	-	-	-	7'-10"	9'-6"	-	-	-
		362RHL250-43	43 (18)	9'-3"	11'-1"	-	-	-	9'-3"	11'-1"	-	-	-	9'-3"	10'-9"	-	-	-
	4	400RHL250-33	33 (20)	8'-0"	9'-9"	-	-	-	8'-0"	9'-9"	-	-	-	8'-0"	9'-9"	-	-	-
		400RHL250-43	43 (18)	9'-5"	11'-5"	-	-	-	9'-5"	11'-5"	-	-	-	9'-5"	11'-5"	-	-	-
	6	600RHL250-33	33 (20)	8'-5"	10'-7"	-	-	-	8'-5"	10'-7"	-	-	-	8'-5"	10'-7"	-	-	-
		600RHL250-43	43 (18)	10'-0"	12'-6"	-	-	-	10'-0"	12'-6"	-	-	-	10'-0"	12'-6"	-	-	-
10	2-1/2	250RHL250-33	33 (20)	6'-4"	7'-3"	8'-6"	-	-	6'-4"	7'-3"	8'-1"	-	-	6'-4"	7'-1"	7'-1"	-	-
		250RHL250-43	43 (18)	7'-5"	8'-4"	9'-8"	-	-	7'-5"	8'-4"	9'-0"	-	-	7'-5"	7'-10"	7'-10"	-	-
	3-5/8	362RHL250-33	33 (20)	6'-10"	7'-10"	9'-5"	-	-	6'-10"	7'-10"	9'-5"	-	-	6'-10"	7'-10"	9'-4"	-	-
		362RHL250-43	43 (18)	8'-0"	9'-2"	11'-0"	-	-	8'-0"	9'-2"	11'-0"	-	-	8'-0"	9'-2"	10'-5"	-	-
	4	400RHL250-33	33 (20)	6'-11"	8'-0"	9'-8"	-	-	6'-11"	8'-0"	9'-8"	-	-	6'-11"	8'-0"	9'-8"	-	-
		400RHL250-43	43 (18)	8'-1"	9'-4"	11'-3"	-	-	8'-1"	9'-4"	11'-3"	-	-	8'-1"	9'-4"	11'-2"	-	-
	6	600RHL250-33	33 (20)	7'-2"	8'-5"	10'-6"	-	-	7'-2"	8'-5"	10'-6"	-	-	7'-2"	8'-5"	10'-6"	-	-
		600RHL250-43	43 (18)	8'-6"	9'-11"	12'-4"	-	-	8'-6"	9'-11"	12'-4"	-	-	8'-6"	9'-11"	12'-4"	-	-
11	2-1/2	250RHL250-33	33 (20)	5'-9"	6'-4"	7'-3"	8'-6"	-	5'-9"	6'-4"	7'-3"	7'-10"	-	5'-9"	6'-4"	6'-10"	6'-10"	-
		250RHL250-43	43 (18)	6'-8"	7'-5"	8'-4"	9'-8"	-	6'-8"	7'-5"	8'-4"	8'-9"	-	6'-8"	7'-5"	7'-7"	7'-7"	-
	3-5/8	362RHL250-33	33 (20)	6'-1"	6'-10"	7'-10"	9'-5"	-	6'-1"	6'-10"	7'-10"	9'-5"	-	6'-1"	6'-10"	7'-10"	9'-1"	-
		362RHL250-43	43 (18)	7'-2"	8'-0"	9'-2"	10'-10"	-	7'-2"	8'-0"	9'-2"	10'-10"	-	7'-2"	8'-0"	9'-2"	10'-1"	-
	4	400RHL250-33	33 (20)	6'-2"	6'-11"	8'-0"	9'-7"	-	6'-2"	6'-11"	8'-0"	9'-7"	-	6'-2"	6'-11"	8'-0"	9'-7"	-
		400RHL250-43	43 (18)	7'-3"	8'-1"	9'-4"	11'-2"	-	7'-3"	8'-1"	9'-4"	11'-2"	-	7'-3"	8'-1"	9'-4"	10'-10"	-
	6	600RHL250-33	33 (20)	6'-4"	7'-2"	8'-4"	10'-5"	-	6'-4"	7'-2"	8'-4"	10'-5"	-	6'-4"	7'-2"	8'-4"	10'-5"	-
		600RHL250-43	43 (18)	7'-6"	8'-6"	9'-10"	12'-3"	-	7'-6"	8'-6"	9'-10"	12'-3"	-	7'-6"	8'-6"	9'-10"	12'-3"	-
12	2-1/2	250RHL250-33	33 (20)	5'-3"	5'-9"	6'-4"	7'-3"	8'-6"	5'-3"	5'-9"	6'-4"	7'-3"	7'-8"	5'-3"	5'-9"	6'-4"	6'-8"	6'-8"
		250RHL250-43	43 (18)	6'-2"	6'-8"	7'-5"	8'-4"	9'-8"	6'-2"	6'-8"	7'-5"	8'-4"	8'-6"	6'-2"	6'-8"	7'-5"	7'-5"	7'-5"
	3-5/8	362RHL250-33	33 (20)	5'-6"	6'-1"	6'-10"	7'-10"	9'-5"	5'-6"	6'-1"	6'-10"	7'-10"	9'-5"	5'-6"	6'-1"	6'-10"	7'-10"	8'-10"
		362RHL250-43	43 (18)	6'-6"	7'-2"	8'-0"	9'-2"	10'-10"	6'-6"	7'-2"	8'-0"	9'-2"	10'-10"	6'-6"	7'-2"	8'-0"	9'-2"	9'-9"
	4	400RHL250-33	33 (20)	5'-7"	6'-2"	6'-11"	8'-0"	9'-7"	5'-7"	6'-2"	6'-11"	8'-0"	9'-7"	5'-7"	6'-2"	6'-11"	8'-0"	9'-6"
		400RHL250-43	43 (18)	6'-7"	7'-3"	8'-1"	9'-4"	11'-1"	6'-7"	7'-3"	8'-1"	9'-4"	11'-1"	6'-7"	7'-3"	8'-1"	9'-4"	10'-6"
	6	600RHL250-33	33 (20)	5'-9"	6'-4"	7'-2"	8'-4"	10'-5"	5'-9"	6'-4"	7'-2"	8'-4"	10'-5"	5'-9"	6'-4"	7'-2"	8'-4"	10'-5"
		600RHL250-43	43 (18)	6'-10"	7'-6"	8'-6"	9'-10"	12'-2"	6'-10"	7'-6"	8'-6"	9'-10"	12'-2"	6'-10"	7'-6"	8'-6"	9'-10"	12'-2"
13	2-1/2	250RHL250-33	33 (20)	4'-10"	5'-3"	5'-9"	6'-4"	7'-3"	4'-10"	5'-3"	5'-9"	6'-4"	7'-3"	4'-10"	5'-3"	5'-9"	6'-4"	6'-6"
		250RHL250-43	43 (18)	5'-8"	6'-2"	6'-8"	7'-5"	8'-4"	5'-8"	6'-2"	6'-8"	7'-5"	8'-3"	5'-8"	6'-2"	6'-8"	7'-2"	7'-2"
	3-5/8	362RHL250-33	33 (20)	5'-1"	5'-6"	6'-1"	6'-10"	7'-10"	5'-1"	5'-6"	6'-1"	6'-10"	7'-10"	5'-1"	5'-6"	6'-1"	6'-10"	7'-10"
		362RHL250-43	43 (18)	6'-0"	6'-6"	7'-2"	8'-0"	9'-2"	6'-0"	6'-6"	7'-2"	8'-0"	9'-2"	6'-0"	6'-6"	7'-2"	8'-0"	9'-2"
	4	400RHL250-33	33 (20)	5'-2"	5'-7"	6'-2"	6'-11"	8'-0"	5'-2"	5'-7"	6'-2"	6'-11"	8'-0"	5'-2"	5'-7"	6'-2"	6'-11"	8'-0"
		400RHL250-43	43 (18)	6'-1"	6'-7"	7'-3"	8'-1"	9'-4"	6'-1"	6'-7"	7'-3"	8'-1"	9'-4"	6'-1"	6'-7"	7'-3"	8'-1"	9'-4"
	6	600RHL250-33	33 (20)	5'-3"	5'-9"	6'-4"	7'-2"	8'-4"	5'-3"	5'-9"	6'-4"	7'-2"	8'-4"	5'-3"	5'-9"	6'-4"	7'-2"	8'-4"
		600RHL250-43	43 (18)	6'-3"	6'-10"	7'-6"	8'-6"	9'-10"	6'-3"	6'-10"	7'-6"	8'-6"	9'-10"	6'-3"	6'-10"	7'-6"	8'-6"	9'-10"
14	2-1/2	250RHL250-33	33 (20)	4'-6"	4'-10"	5'-3"	5'-9"	6'-4"	4'-6"	4'-10"	5'-3"	5'-9"	6'-4"	4'-6"	4'-10"	5'-3"	5'-9"	6'-4"
		250RHL250-43	43 (18)	5'-4"	5'-8"	6'-2"	6'-8"	7'-5"	5'-4"	5'-8"	6'-2"	6'-8"	7'-5"	5'-4"	5'-8"	6'-2"	6'-8"	7'-0"
	3-5/8	362RHL250-33	33 (20)	4'-9"	5'-1"	5'-6"	6'-1"	6'-10"	4'-9"	5'-1"	5'-6"	6'-1"	6'-10"	4'-9"	5'-1"	5'-6"	6'-1"	6'-10"
		362RHL250-43	43 (18)	5'-8"	6'-0"	6'-6"	7'-2"	8'-0"	5'-8"	6'-0"	6'-6"	7'-2"	8'-0"	5'-8"	6'-0"	6'-6"	7'-2"	8'-0"
	4	400RHL250-33	33 (20)	4'-10"	5'-2"	5'-7"	6'-2"	6'-11"	4'-10"	5'-2"	5'-7"	6'-2"	6'-11"	4'-10"	5'-2"	5'-7"	6'-2"	6'-11"
		400RHL250-43	43 (18)	5'-8"	6'-1"	6'-7"	7'-3"	8'-1"	5'-8"	6'-1"	6'-7"	7'-3"	8'-1"	5'-8"	6'-1"	6'-7"	7'-3"	8'-1"
	6	600RHL250-33	33 (20)	4'-11"	5'-3"	5'-9"	6'-4"	7'-2"	4'-11"	5'-3"	5'-9"	6'-4"	7'-2"	4'-11"	5'-3"	5'-9"	6'-4"	7'-2"
		600RHL250-43	43 (18)	5'-10"	6'-3"	6'-10"	7'-6"	8'-6"	5'-10"	6'-3"	6'-10"	7'-6"	8'-6"	5'-10"	6'-3"	6'-10"	7'-6"	8'-6"
15	2-1/2	250RHL250-33	33 (20)	4'-3"	4'-6"	4'-10"	5'-3"	5'-9"	4'-3"	4'-6"	4'-10"	5'-3"	5'-9"	4'-3"	4'-6"	4'-10"	5'-3"	5'-9"
		250RHL250-43	43 (18)	5'-0"	5'-4"	5'-8"	6'-2"	6'-8"	5'-0"	5'-4"	5'-8"	6'-2"	6'-8"	5'-0"	5'-4"	5'-8"	6'-2"	6'-8"
	3-5/8	362RHL250-33	33 (20)	4'-6"	4'-9"	5'-1"	5'-6"	6'-1"	4'-6"	4'-9"	5'-1"	5'-6"	6'-1"	4'-6"	4'-9"	5'-1"	5'-6"	6'-1"
		362RHL250-43	43 (18)	5'-4"	5'-8"	6'-0"	6'-6"	7'-2"	5'-4"	5'-8"	6'-0"	6'-6"	7'-2"	5'-4"	5'-8"	6'-0"	6'-6"	7'-2"
	4	400RHL250-33	33 (20)	4'-6"	4'-10"	5'-2"	5'-7"	6'-2"	4'-6"	4'-10"	5'-2"	5'-7"	6'-2"	4'-6"	4'-10"	5'-2"	5'-7"	6'-2"
		400RHL250-43	43 (18)	5'-4"	5'-8"	6'-1"	6'-7"	7'-3"	5'-4"	5'-8"	6'-1"	6'-7"	7'-3"	5'-4"	5'-8"	6'-1"	6'-7"	7'-3"
	6	600RHL250-33	33 (20)	4'-7"	4'-11"	5'-3"	5'-9"	6'-4"	4'-7"	4'-11"	5'-3"	5'-9"	6'-4"	4'-7"	4'-11"	5'-3"	5'-9"	6'-4"
		600RHL250-43	43 (18)	5'-6"	5'-10"	6'-3"	6'-10"	7'-6"	5'-6"	5'-10"	6'-3"	6'-10"	7'-6"	5'-6"	5'-10"	6'-3"	6'-10"	7'-6"

Notes:

1 All headers require the attachment of the RHLC connector at each end with headers installed open side up.

2 Recommended RHLC connector attachments above are based on the jamb stud thickness being equal to or greater than header thickness.

3 Header framing was calculated with a sill height of 0" for worst case design.

4 Section properties are based on the AISI S100-16 (2020) w/S2-20.

5 Increase strength in cold work of forming was used per AISI S100 section A3.3.2.

6 For deflection calculations, the effective moment of inertia was used. Reference the AISI S100 commentary B5.

7 On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.

8 Dead load deflection calculations are limited to L/240 or 0.5" max. deflection.

9 For Wall Dead Load calculations, 10psf is used for interior framing.

10 Header lengths should be ordered 1/2" shorter to fit inside clips. Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".

11 Spans listed are based on unpunched members.

12 Span tables are based on ASD load capacities for the RHLC connector.

Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with RHLC Clip

Wall Height (ft)	Wall Size (in)	Member	Mils (Gauge)	Interior Allowable Spans: Lateral Load (psf) = 10, Dead Load (psf) = 10														
				Strong Axis Deflection Targets														
				L/120					L/240					L/360				
				Opening Heights														
				7	8	9	10	11	7	8	9	10	11	7	8	9	10	11
9	2-1/2	250RHL250-33	33 (20)	6'-9"	7'-10"	-	-	-	6'-9"	7'-8"	-	-	-	6'-8"	6'-8"	-	-	-
		250RHL250-43	43 (18)	7'-10"	9'-0"	-	-	-	7'-10"	8'-6"	-	-	-	7'-5"	7'-5"	-	-	-
	3-5/8	362RHL250-33	33 (20)	7'-5"	8'-10"	-	-	-	7'-5"	8'-10"	-	-	-	7'-5"	8'-10"	-	-	-
		362RHL250-43	43 (18)	8'-9"	10'-3"	-	-	-	8'-9"	10'-3"	-	-	-	8'-9"	9'-9"	-	-	-
	4	400RHL250-33	33 (20)	7'-7"	9'-1"	-	-	-	7'-7"	9'-1"	-	-	-	7'-7"	9'-1"	-	-	-
		400RHL250-43	43 (18)	8'-11"	10'-7"	-	-	-	8'-11"	10'-7"	-	-	-	8'-11"	10'-6"	-	-	-
	6	600RHL250-33	33 (20)	8'-1"	10'-0"	-	-	-	8'-1"	10'-0"	-	-	-	8'-1"	10'-0"	-	-	-
		600RHL250-43	43 (18)	9'-7"	11'-9"	-	-	-	9'-7"	11'-9"	-	-	-	9'-7"	11'-9"	-	-	-
10	2-1/2	250RHL250-33	33 (20)	6'-0"	6'-9"	7'-10"	-	-	6'-0"	6'-9"	7'-4"	-	-	6'-0"	6'-5"	6'-5"	-	-
		250RHL250-43	43 (18)	7'-0"	7'-10"	9'-0"	-	-	7'-0"	7'-10"	8'-2"	-	-	7'-0"	7'-2"	7'-2"	-	-
	3-5/8	362RHL250-33	33 (20)	6'-6"	7'-5"	8'-10"	-	-	6'-6"	7'-5"	8'-10"	-	-	6'-6"	7'-5"	8'-6"	-	-
		362RHL250-43	43 (18)	7'-8"	8'-8"	10'-2"	-	-	7'-8"	8'-8"	10'-2"	-	-	7'-8"	8'-8"	9'-5"	-	-
	4	400RHL250-33	33 (20)	6'-7"	7'-7"	9'-0"	-	-	6'-7"	7'-7"	9'-0"	-	-	6'-7"	7'-7"	9'-0"	-	-
		400RHL250-43	43 (18)	7'-9"	8'-10"	10'-5"	-	-	7'-9"	8'-10"	10'-5"	-	-	7'-9"	8'-10"	10'-2"	-	-
	6	600RHL250-33	33 (20)	7'-0"	8'-1"	9'-10"	-	-	7'-0"	8'-1"	9'-10"	-	-	7'-0"	8'-1"	9'-10"	-	-
		600RHL250-43	43 (18)	8'-3"	9'-6"	11'-7"	-	-	8'-3"	9'-6"	11'-7"	-	-	8'-3"	9'-6"	11'-7"	-	-
11	2-1/2	250RHL250-33	33 (20)	5'-5"	6'-0"	6'-9"	7'-10"	-	5'-5"	6'-0"	6'-9"	7'-2"	-	5'-5"	6'-0"	6'-3"	6'-3"	-
		250RHL250-43	43 (18)	6'-4"	7'-0"	7'-10"	9'-0"	-	6'-4"	7'-0"	7'-10"	8'-0"	-	6'-4"	6'-11"	6'-11"	6'-11"	-
	3-5/8	362RHL250-33	33 (20)	5'-10"	6'-6"	7'-5"	8'-10"	-	5'-10"	6'-6"	7'-5"	8'-10"	-	5'-10"	6'-6"	7'-5"	8'-3"	-
		362RHL250-43	43 (18)	6'-10"	7'-8"	8'-8"	10'-1"	-	6'-10"	7'-8"	8'-8"	10'-1"	-	6'-10"	7'-8"	8'-8"	9'-2"	-
	4	400RHL250-33	33 (20)	6'-0"	6'-7"	7'-7"	9'-0"	-	6'-0"	6'-7"	7'-7"	9'-0"	-	6'-0"	6'-7"	7'-7"	8'-11"	-
		400RHL250-43	43 (18)	7'-0"	7'-9"	8'-10"	10'-4"	-	7'-0"	7'-9"	8'-10"	10'-4"	-	7'-0"	7'-9"	8'-10"	9'-10"	-
	6	600RHL250-33	33 (20)	6'-2"	7'-0"	8'-1"	9'-10"	-	6'-2"	7'-0"	8'-1"	9'-10"	-	6'-2"	7'-0"	8'-1"	9'-10"	-
		600RHL250-43	43 (18)	7'-4"	8'-2"	9'-6"	11'-6"	-	7'-4"	8'-2"	9'-6"	11'-6"	-	7'-4"	8'-2"	9'-6"	11'-6"	-
12	2-1/2	250RHL250-33	33 (20)	5'-0"	5'-5"	6'-0"	6'-9"	7'-10"	5'-0"	5'-5"	6'-0"	6'-9"	7'-0"	5'-0"	5'-5"	6'-0"	6'-1"	6'-1"
		250RHL250-43	43 (18)	5'-10"	6'-4"	7'-0"	7'-10"	9'-0"	5'-10"	6'-4"	7'-0"	7'-8"	7'-8"	5'-10"	6'-4"	6'-9"	6'-9"	6'-9"
	3-5/8	362RHL250-33	33 (20)	5'-4"	5'-10"	6'-6"	7'-5"	8'-10"	5'-4"	5'-10"	6'-6"	7'-5"	8'-10"	5'-4"	5'-10"	6'-6"	7'-5"	8'-0"
		362RHL250-43	43 (18)	6'-3"	6'-10"	7'-8"	8'-8"	10'-1"	6'-3"	6'-10"	7'-8"	8'-8"	10'-1"	6'-3"	6'-10"	7'-8"	8'-8"	8'-11"
	4	400RHL250-33	33 (20)	5'-5"	6'-0"	6'-7"	7'-7"	9'-0"	5'-5"	6'-0"	6'-7"	7'-7"	9'-0"	5'-5"	6'-0"	6'-7"	7'-7"	8'-8"
		400RHL250-43	43 (18)	6'-5"	7'-0"	7'-9"	8'-10"	10'-4"	6'-5"	7'-0"	7'-9"	8'-10"	10'-4"	6'-5"	7'-0"	7'-9"	8'-10"	9'-7"
	6	600RHL250-33	33 (20)	5'-7"	6'-2"	7'-0"	8'-1"	9'-10"	5'-7"	6'-2"	7'-0"	8'-1"	9'-10"	5'-7"	6'-2"	7'-0"	8'-1"	9'-10"
		600RHL250-43	43 (18)	6'-8"	7'-4"	8'-2"	9'-6"	11'-5"	6'-8"	7'-4"	8'-2"	9'-6"	11'-5"	6'-8"	7'-4"	8'-2"	9'-6"	11'-5"
13	2-1/2	250RHL250-33	33 (20)	4'-8"	5'-0"	5'-5"	6'-0"	6'-9"	4'-8"	5'-0"	5'-5"	6'-0"	6'-9"	4'-8"	5'-0"	5'-5"	5'-11"	5'-11"
		250RHL250-43	43 (18)	5'-5"	5'-10"	6'-4"	7'-0"	7'-10"	5'-5"	5'-10"	6'-4"	7'-0"	7'-6"	5'-5"	5'-10"	6'-4"	6'-6"	6'-6"
	3-5/8	362RHL250-33	33 (20)	5'-0"	5'-4"	5'-10"	6'-6"	7'-5"	5'-0"	5'-4"	5'-10"	6'-6"	7'-5"	5'-0"	5'-4"	5'-10"	6'-6"	7'-5"
		362RHL250-43	43 (18)	5'-10"	6'-3"	6'-10"	7'-8"	8'-8"	5'-10"	6'-3"	6'-10"	7'-8"	8'-8"	5'-10"	6'-3"	6'-10"	7'-8"	8'-8"
	4	400RHL250-33	33 (20)	5'-0"	5'-5"	6'-0"	6'-7"	7'-7"	5'-0"	5'-5"	6'-0"	6'-7"	7'-7"	5'-0"	5'-5"	6'-0"	6'-7"	7'-7"
		400RHL250-43	43 (18)	5'-11"	6'-5"	7'-0"	7'-9"	8'-10"	5'-11"	6'-5"	7'-0"	7'-9"	8'-10"	5'-11"	6'-5"	7'-0"	7'-9"	8'-10"
	6	600RHL250-33	33 (20)	5'-2"	5'-7"	6'-2"	7'-0"	8'-1"	5'-2"	5'-7"	6'-2"	7'-0"	8'-1"	5'-2"	5'-7"	6'-2"	7'-0"	8'-1"
		600RHL250-43	43 (18)	6'-1"	6'-8"	7'-4"	8'-2"	9'-6"	6'-1"	6'-8"	7'-4"	8'-2"	9'-6"	6'-1"	6'-8"	7'-4"	8'-2"	9'-6"
14	2-1/2	250RHL250-33	33 (20)	4'-4"	4'-8"	5'-0"	5'-5"	6'-0"	4'-4"	4'-8"	5'-0"	5'-5"	6'-0"	4'-4"	4'-8"	5'-0"	5'-5"	5'-9"
		250RHL250-43	43 (18)	5'-1"	5'-5"	5'-10"	6'-4"	7'-0"	5'-1"	5'-5"	5'-10"	6'-4"	7'-0"	5'-1"	5'-5"	5'-10"	6'-4"	6'-5"
	3-5/8	362RHL250-33	33 (20)	4'-7"	5'-0"	5'-4"	5'-10"	6'-6"	4'-7"	5'-0"	5'-4"	5'-10"	6'-6"	4'-7"	5'-0"	5'-4"	5'-10"	6'-6"
		362RHL250-43	43 (18)	5'-6"	5'-10"	6'-3"	6'-10"	7'-8"	5'-6"	5'-10"	6'-3"	6'-10"	7'-8"	5'-6"	5'-10"	6'-3"	6'-10"	7'-8"
	4	400RHL250-33	33 (20)	4'-8"	5'-0"	5'-5"	6'-0"	6'-7"	4'-8"	5'-0"	5'-5"	6'-0"	6'-7"	4'-8"	5'-0"	5'-5"	6'-0"	6'-7"
		400RHL250-43	43 (18)	5'-6"	5'-11"	6'-5"	7'-0"	7'-9"	5'-6"	5'-11"	6'-5"	7'-0"	7'-9"	5'-6"	5'-11"	6'-5"	7'-0"	7'-9"
	6	600RHL250-33	33 (20)	4'-9"	5'-2"	5'-7"	6'-2"	7'-0"	4'-9"	5'-2"	5'-7"	6'-2"	7'-0"	4'-9"	5'-2"	5'-7"	6'-2"	7'-0"
		600RHL250-43	43 (18)	5'-8"	6'-1"	6'-8"	7'-4"	8'-2"	5'-8"	6'-1"	6'-8"	7'-4"	8'-2"	5'-8"	6'-1"	6'-8"	7'-4"	8'-2"
15	2-1/2	250RHL250-33	33 (20)	4'-1"	4'-4"	4'-8"	5'-0"	5'-5"	4'-1"	4'-4"	4'-8"	5'-0"	5'-5"	4'-1"	4'-4"	4'-8"	5'-0"	5'-5"
		250RHL250-43	43 (18)	4'-10"	5'-1"	5'-5"	5'-10"	6'-4"	4'-10"	5'-1"	5'-5"	5'-10"	6'-4"	4'-10"	5'-1"	5'-5"	5'-10"	6'-3"
	3-5/8	362RHL250-33	33 (20)	4'-4"	4'-7"	5'-0"	5'-4"	5'-10"	4'-4"	4'-7"	5'-0"	5'-4"	5'-10"	4'-4"	4'-7"	5'-0"	5'-4"	5'-10"
		362RHL250-43	43 (18)	5'-2"	5'-6"	5'-10"	6'-3"	6'-10"	5'-2"	5'-6"	5'-10"	6'-3"	6'-10"	5'-2"	5'-6"	5'-10"	6'-3"	6'-10"
	4	400RHL250-33	33 (20)	4'-5"	4'-8"	5'-0"	5'-5"	6'-0"	4'-5"	4'-8"	5'-0"	5'-5"	6'-0"	4'-5"	4'-8"	5'-0"	5'-5"	6'-0"
		400RHL250-43	43 (18)	5'-2"	5'-6"	5'-11"	6'-5"	7'-0"	5'-2"	5'-6"	5'-11"	6'-5"	7'-0"	5'-2"	5'-6"	5'-11"	6'-5"	7'-0"
	6	600RHL250-33	33 (20)	4'-6"	4'-9"	5'-2"	5'-7"	6'-2"	4'-6"	4'-9"	5'-2"	5'-7"	6'-2"	4'-6"	4'-9"	5'-2"	5'-7"	6'-2"
		600RHL250-43	43 (18)	5'-4"	5'-8"	6'-1"	6'-8"	7'-4"	5'-4"	5'-8"	6'-1"	6'-8"	7'-4"	5'-4"	5'-8"	6'-1"	6'-8"	7'-4"

Notes:

1 All headers require the attachment of the RHLC connector at each end with headers installed open side up.

2 Recommended RHLC connector attachments above are based on the jamb stud thickness being equal to or greater than header thickness.

3 Header framing was calculated with a sill height of 0" for worst case design.

4 Section properties are based on the AISI S100-16 (2020) w/S2-20.

5 Increase strength in cold work of forming was used per AISI S100 section A3.3.2.

6 For deflection calculations, the effective moment of inertia was used. Reference the AISI S100 commentary B5.

7 On interior framing, lateral deflection calculations are based on using 1.0 times the interior lateral load.

8 Dead load deflection calculations are limited to L/240 or 0.5" max. deflection.

9 For Wall Dead Load calculations, 10psf is used for interior framing.

10 Header lengths should be ordered 1/2" shorter to fit inside clips. Listed capacities are based on a maximum gap between the clip and the end of the header of 1/4".

11 Spans listed are based on unpunched members.

12 Span tables are based on ASD load capacities for the RHLC connector.