Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with S-Series™ 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'-0"	8'-4"	10'-4"	-	-	7'-0"	8'-4"	10'-4"	-	-	7'-0"	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)	6'-7"	8'-5"	10'-6"	-	-	6'-7"	8'-5"	10'-6"	-	-	6'-7"	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)	6'-7"	8'-9"	11'-3"	-	-	6'-7"	8'-9"	11'-3"	-	-	6'-7"	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)	5'-2"	7'-0"	8'-4"	10'-3"	-	5'-2"	7'-0"	8'-4"	10'-3"	-	5'-2"	7'-0"	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)	5'-0"	6'-7"	8'-5"	10'-6"	-	5'-0"	6'-7"	8'-5"	10'-6"	-	5'-0"	6'-7"	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)	5'-0"	6'-7"	8'-9"	11'-2"	-	5'-0"	6'-7"	8'-9"	11'-2"	-	5'-0"	6'-7"	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'-4"	6'-1"	6'-9"	7'-10"	9'-4"	5'-4"	6'-1"	6'-9"	7'-10"	8'-9"	5'-4"	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)	4'-2"	5'-2"	7'-0"	8'-4"	10'-3"	4'-2"	5'-2"	7'-0"	8'-4"	10'-3"	4'-2"	5'-2"	7'-0"	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)	4'-0"	5'-0"	6'-7"	8'-5"	10'-5"	4'-0"	5'-0"	6'-7"	8'-5"	10'-5"	4'-0"	5'-0"	6'-7"	8'-5"	10'-5"
		400RHL250-43	43 (18)	6'-2"	7'-7"	8'-6"	9'-11"	12'-2"	6'-2"	7'-7"	8'-6"	9'-11"	12'-2"	6'-2"	7'-7"	8'-6"	9'-11"	12'-1"
	6	600RHL250-33	33 (20)	4'-0"	5'-0"	6'-7"	8'-9"	11'-2"	4'-0"	5'-0"	6'-7"	8'-9"	11'-2"	4'-0"	5'-0"	6'-7"	8'-9"	11'-2"
		600RHL250-43	43 (18)	6'-4"	7'-9"	8'-9"	10'-4"	13'-1"	6'-4"	7'-9"	8'-9"	10'-4"	13'-1"	6'-4"	7'-9"	8'-9"	10'-4"	13'-1"
13	2-1/2	250RHL250-33	33 (20)	4'-5"	5'-4"	6'-1"	6'-9"	7'-10"	4'-5"	5'-4"	6'-1"	6'-9"	7'-10"	4'-5"	5'-4"	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)	3'-5"	4'-2"	5'-2"	7'-0"	8'-4"	3'-5"	4'-2"	5'-2"	7'-0"	8'-4"	3'-5"	4'-2"	5'-2"	7'-0"	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)	3'-3"	4'-0"	5'-0"	6'-7"	8'-5"	3'-3"	4'-0"	5'-0"	6'-7"	8'-5"	3'-3"	4'-0"	5'-0"	6'-7"	8'-5"
		400RHL250-43	43 (18)	5'-1"	6'-2"	7'-7"	8'-6"	9'-11"	5'-1"	6'-2"	7'-7"	8'-6"	9'-11"	5'-1"	6'-2"	7'-7"	8'-6"	9'-11"
	6	600RHL250-33	33 (20)	3'-3"	4'-0"	5'-0"	6'-7"	8'-9"	3'-3"	4'-0"	5'-0"	6'-7"	8'-9"	3'-3"	4'-0"	5'-0"	6'-7"	8'-9"
		600RHL250-43	43 (18)	5'-3"	6'-4"	7'-9"	8'-9"	10'-4"	5'-3"	6'-4"	7'-9"	8'-9"	10'-4"	5'-3"	6'-4"	7'-9"	8'-9"	10'-4"
14	2-1/2	250RHL250-33	33 (20)	3'-9"	4'-5"	5'-4"	6'-1"	6'-9"	3'-9"	4'-5"	5'-4"	6'-1"	6'-9"	3'-9"	4'-5"	5'-4"	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)	3'-0"	3'-5"	4'-2"	5'-2"	7'-0"	3'-0"	3'-5"	4'-2"	5'-2"	7'-0"	3'-0"	3'-5"	4'-2"	5'-2"	7'-0"
		362RHL250-43	43 (18)	5'-6"	6'-3"	6'-10"	7'-6"	8'-5"	5'-6"	6'-3"	6'-10"	7'-6"	8'-5"	5'-6"	6'-3"	6'-10"	7'-6"	8'-5"
	4	400RHL250-33	33 (20)	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"
		400RHL250-43	43 (18)	4'-5"	5'-1"	6'-2"	7'-7"	8'-6"	4'-5"	5'-1"	6'-2"	7'-7"	8'-6"	4'-5"	5'-1"	6'-2"	7'-7"	8'-6"
	6	600RHL250-33	33 (20)	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"
		600RHL250-43	43 (18)	4'-6"	5'-3"	6'-4"	7'-9"	8'-9"	4'-6"	5'-3"	6'-4"	7'-9"	8'-9"	4'-6"	5'-3"	6'-4"	7'-9"	8'-9"
15	2-1/2	250RHL250-33	33 (20)	3'-4"	3'-9"	4'-5"	5'-4"	6'-1"	3'-4"	3'-9"	4'-5"	5'-4"	6'-1"	3'-4"	3'-9"	4'-5"	5'-4"	6'-1"
		250RHL250-43	43 (18)	5'-0"	5'-7"	6'-0"	6'-6"	7'-1"	5'-0"	5'-7"	6'-0"	6'-6"	7'-1"	5'-0"	5'-7"	6'-0"	6'-6"	7'-1"
	3-5/8	362RHL250-33	33 (20)	-	3'-0"	3'-5"	4'-2"	5'-2"	-	3'-0"	3'-5"	4'-2"	5'-2"	-	3'-0"	3'-5"	4'-2"	5'-2"
		362RHL250-43	43 (18)	4'-10"	5'-6"	6'-3"	6'-10"	7'-6"	4'-10"	5'-6"	6'-3"	6'-10"	7'-6"	4'-10"	5'-6"	6'-3"	6'-10"	7'-6"
	4	400RHL250-33	33 (20)	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"
		400RHL250-43	43 (18)	3'-10"	4'-5"	5'-1"	6'-2"	7'-7"	3'-10"	4'-5"	5'-1"	6'-2"	7'-7"	3'-10"	4'-5"	5'-1"	6'-2"	7'-7"
	6	600RHL250-33	33 (20)	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"
		600RHL250-43	43 (18)	4'-0"	4'-6"	5'-3"	6'-4"	7'-9"	4'-0"	4'-6"	5'-3"	6'-4"	7'-9"	4'-0"	4'-6"	5'-3"	6'-4"	7'-9"

Notes:

1 All headers require the attachment of the S-Series Clip at each end with headers installed open side up.

2 Recommended S-Series Clip 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 S-Series clip.

Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with S-Series™ 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'-7"	8'-0"	9'-8"	-	-	6'-7"	8'-0"	9'-8"	-	-	6'-7"	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)	6'-7"	8'-5"	10'-6"	-	-	6'-7"	8'-5"	10'-6"	-	-	6'-7"	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)	5'-2"	6'-10"	7'-10"	9'-5"	-	5'-2"	6'-10"	7'-10"	9'-5"	-	5'-2"	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)	5'-0"	6'-7"	8'-0"	9'-7"	-	5'-0"	6'-7"	8'-0"	9'-7"	-	5'-0"	6'-7"	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)	5'-0"	6'-7"	8'-4"	10'-5"	-	5'-0"	6'-7"	8'-4"	10'-5"	-	5'-0"	6'-7"	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)	4'-2"	5'-2"	6'-10"	7'-10"	9'-5"	4'-2"	5'-2"	6'-10"	7'-10"	9'-5"	4'-2"	5'-2"	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)	4'-0"	5'-0"	6'-7"	8'-0"	9'-7"	4'-0"	5'-0"	6'-7"	8'-0"	9'-7"	4'-0"	5'-0"	6'-7"	8'-0"	9'-6"
		400RHL250-43	43 (18)	6'-1"	7'-3"	8'-1"	9'-4"	11'-1"	6'-1"	7'-3"	8'-1"	9'-4"	11'-1"	6'-1"	7'-3"	8'-1"	9'-4"	10'-6"
	6	600RHL250-33	33 (20)	4'-0"	5'-0"	6'-7"	8'-4"	10'-5"	4'-0"	5'-0"	6'-7"	8'-4"	10'-5"	4'-0"	5'-0"	6'-7"	8'-4"	10'-5"
		600RHL250-43	43 (18)	6'-4"	7'-6"	8'-6"	9'-10"	12'-2"	6'-4"	7'-6"	8'-6"	9'-10"	12'-2"	6'-4"	7'-6"	8'-6"	9'-10"	12'-2"
13	2-1/2	250RHL250-33	33 (20)	4'-4"	5'-3"	5'-9"	6'-4"	7'-3"	4'-4"	5'-3"	5'-9"	6'-4"	7'-3"	4'-4"	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)	3'-5"	4'-2"	5'-2"	6'-10"	7'-10"	3'-5"	4'-2"	5'-2"	6'-10"	7'-10"	3'-5"	4'-2"	5'-2"	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)	3'-3"	4'-0"	5'-0"	6'-7"	8'-0"	3'-3"	4'-0"	5'-0"	6'-7"	8'-0"	3'-3"	4'-0"	5'-0"	6'-7"	8'-0"
		400RHL250-43	43 (18)	5'-1"	6'-1"	7'-3"	8'-1"	9'-4"	5'-1"	6'-1"	7'-3"	8'-1"	9'-4"	5'-1"	6'-1"	7'-3"	8'-1"	9'-4"
	6	600RHL250-33	33 (20)	3'-3"	4'-0"	5'-0"	6'-7"	8'-4"	3'-3"	4'-0"	5'-0"	6'-7"	8'-4"	3'-3"	4'-0"	5'-0"	6'-7"	8'-4"
		600RHL250-43	43 (18)	5'-3"	6'-4"	7'-6"	8'-6"	9'-10"	5'-3"	6'-4"	7'-6"	8'-6"	9'-10"	5'-3"	6'-4"	7'-6"	8'-6"	9'-10"
14	2-1/2	250RHL250-33	33 (20)	3'-9"	4'-4"	5'-3"	5'-9"	6'-4"	3'-9"	4'-4"	5'-3"	5'-9"	6'-4"	3'-9"	4'-4"	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)	-	3'-5"	4'-2"	5'-2"	6'-10"	-	3'-5"	4'-2"	5'-2"	6'-10"	-	3'-5"	4'-2"	5'-2"	6'-10"
		362RHL250-43	43 (18)	5'-6"	6'-0"	6'-6"	7'-2"	8'-0"	5'-6"	6'-0"	6'-6"	7'-2"	8'-0"	5'-6"	6'-0"	6'-6"	7'-2"	8'-0"
	4	400RHL250-33	33 (20)	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"
		400RHL250-43	43 (18)	4'-4"	5'-1"	6'-1"	7'-3"	8'-1"	4'-4"	5'-1"	6'-1"	7'-3"	8'-1"	4'-4"	5'-1"	6'-1"	7'-3"	8'-1"
	6	600RHL250-33	33 (20)	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"	-	3'-3"	4'-0"	5'-0"	6'-7"
		600RHL250-43	43 (18)	4'-6"	5'-3"	6'-4"	7'-6"	8'-6"	4'-6"	5'-3"	6'-4"	7'-6"	8'-6"	4'-6"	5'-3"	6'-4"	7'-6"	8'-6"
15	2-1/2	250RHL250-33	33 (20)	3'-3"	3'-9"	4'-4"	5'-3"	5'-9"	3'-3"	3'-9"	4'-4"	5'-3"	5'-9"	3'-3"	3'-9"	4'-4"	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)	-	-	3'-5"	4'-2"	5'-2"	-	-	3'-5"	4'-2"	5'-2"	-	-	3'-5"	4'-2"	5'-2"
		362RHL250-43	43 (18)	4'-9"	5'-6"	6'-0"	6'-6"	7'-2"	4'-9"	5'-6"	6'-0"	6'-6"	7'-2"	4'-9"	5'-6"	6'-0"	6'-6"	7'-2"
	4	400RHL250-33	33 (20)	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"
		400RHL250-43	43 (18)	3'-10"	4'-4"	5'-1"	6'-1"	7'-3"	3'-10"	4'-4"	5'-1"	6'-1"	7'-3"	3'-10"	4'-4"	5'-1"	6'-1"	7'-3"
	6	600RHL250-33	33 (20)	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"	-	-	3'-3"	4'-0"	5'-0"
		600RHL250-43	43 (18)	4'-0"	4'-6"	5'-3"	6'-4"	7'-6"	4'-0"	4'-6"	5'-3"	6'-4"	7'-6"	4'-0"	4'-6"	5'-3"	6'-4"	7'-6"

Notes:

1 All headers require the attachment of the S-Series Clip at each end with headers installed open side up.

2 Recommended S-Series Clip 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 S-Series clip.

Allowable Opening Width for RedHeader Lite

Used as Interior Header Span with S-Series™ 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'-6"	7'-7"	9'-0"	-	-	6'-6"	7'-7"	9'-0"	-	-	6'-6"	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)	6'-6"	8'-1"	9'-10"	-	-	6'-6"	8'-1"	9'-10"	-	-	6'-6"	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'-2"	6'-6"	7'-5"	8'-10"	-	5'-2"	6'-6"	7'-5"	8'-10"	-	5'-2"	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)	4'-11"	6'-6"	7'-7"	9'-0"	-	4'-11"	6'-6"	7'-7"	9'-0"	-	4'-11"	6'-6"	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)	4'-11"	6'-6"	8'-1"	9'-10"	-	4'-11"	6'-6"	8'-1"	9'-10"	-	4'-11"	6'-6"	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)	4'-1"	5'-2"	6'-6"	7'-5"	8'-10"	4'-1"	5'-2"	6'-6"	7'-5"	8'-10"	4'-1"	5'-2"	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)	4'-0"	4'-11"	6'-6"	7'-7"	9'-0"	4'-0"	4'-11"	6'-6"	7'-7"	9'-0"	4'-0"	4'-11"	6'-6"	7'-7"	8'-8"
		400RHL250-43	43 (18)	6'-1"	7'-0"	7'-9"	8'-10"	10'-4"	6'-1"	7'-0"	7'-9"	8'-10"	10'-4"	6'-1"	7'-0"	7'-9"	8'-10"	9'-7"
	6	600RHL250-33	33 (20)	4'-0"	4'-11"	6'-6"	8'-1"	9'-10"	4'-0"	4'-11"	6'-6"	8'-1"	9'-10"	4'-0"	4'-11"	6'-6"	8'-1"	9'-10"
		600RHL250-43	43 (18)	6'-3"	7'-4"	8'-2"	9'-6"	11'-5"	6'-3"	7'-4"	8'-2"	9'-6"	11'-5"	6'-3"	7'-4"	8'-2"	9'-6"	11'-5"
13	2-1/2	250RHL250-33	33 (20)	4'-4"	5'-0"	5'-5"	6'-0"	6'-9"	4'-4"	5'-0"	5'-5"	6'-0"	6'-9"	4'-4"	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)	3'-5"	4'-1"	5'-2"	6'-6"	7'-5"	3'-5"	4'-1"	5'-2"	6'-6"	7'-5"	3'-5"	4'-1"	5'-2"	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)	3'-3"	4'-0"	4'-11"	6'-6"	7'-7"	3'-3"	4'-0"	4'-11"	6'-6"	7'-7"	3'-3"	4'-0"	4'-11"	6'-6"	7'-7"
		400RHL250-43	43 (18)	5'-1"	6'-1"	7'-0"	7'-9"	8'-10"	5'-1"	6'-1"	7'-0"	7'-9"	8'-10"	5'-1"	6'-1"	7'-0"	7'-9"	8'-10"
	6	600RHL250-33	33 (20)	3'-3"	4'-0"	4'-11"	6'-6"	8'-1"	3'-3"	4'-0"	4'-11"	6'-6"	8'-1"	3'-3"	4'-0"	4'-11"	6'-6"	8'-1"
		600RHL250-43	43 (18)	5'-3"	6'-3"	7'-4"	8'-2"	9'-6"	5'-3"	6'-3"	7'-4"	8'-2"	9'-6"	5'-3"	6'-3"	7'-4"	8'-2"	9'-6"
14	2-1/2	250RHL250-33	33 (20)	3'-9"	4'-4"	5'-0"	5'-5"	6'-0"	3'-9"	4'-4"	5'-0"	5'-5"	6'-0"	3'-9"	4'-4"	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)	-	3'-5"	4'-1"	5'-2"	6'-6"	-	3'-5"	4'-1"	5'-2"	6'-6"	-	3'-5"	4'-1"	5'-2"	6'-6"
		362RHL250-43	43 (18)	5'-5"	5'-10"	6'-3"	6'-10"	7'-8"	5'-5"	5'-10"	6'-3"	6'-10"	7'-8"	5'-5"	5'-10"	6'-3"	6'-10"	7'-8"
	4	400RHL250-33	33 (20)	-	3'-3"	4'-0"	4'-11"	6'-6"	-	3'-3"	4'-0"	4'-11"	6'-6"	-	3'-3"	4'-0"	4'-11"	6'-6"
		400RHL250-43	43 (18)	4'-4"	5'-1"	6'-1"	7'-0"	7'-9"	4'-4"	5'-1"	6'-1"	7'-0"	7'-9"	4'-4"	5'-1"	6'-1"	7'-0"	7'-9"
	6	600RHL250-33	33 (20)	-	3'-3"	4'-0"	4'-11"	6'-6"	-	3'-3"	4'-0"	4'-11"	6'-6"	-	3'-3"	4'-0"	4'-11"	6'-6"
		600RHL250-43	43 (18)	4'-6"	5'-3"	6'-3"	7'-4"	8'-2"	4'-6"	5'-3"	6'-3"	7'-4"	8'-2"	4'-6"	5'-3"	6'-3"	7'-4"	8'-2"
15	2-1/2	250RHL250-33	33 (20)	3'-3"	3'-9"	4'-4"	5'-0"	5'-5"	3'-3"	3'-9"	4'-4"	5'-0"	5'-5"	3'-3"	3'-9"	4'-4"	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)	-	-	3'-5"	4'-1"	5'-2"	-	-	3'-5"	4'-1"	5'-2"	-	-	3'-5"	4'-1"	5'-2"
		362RHL250-43	43 (18)	4'-9"	5'-5"	5'-10"	6'-3"	6'-10"	4'-9"	5'-5"	5'-10"	6'-3"	6'-10"	4'-9"	5'-5"	5'-10"	6'-3"	6'-10"
	4	400RHL250-33	33 (20)	-	-	3'-3"	4'-0"	4'-11"	-	-	3'-3"	4'-0"	4'-11"	-	-	3'-3"	4'-0"	4'-11"
		400RHL250-43	43 (18)	3'-10"	4'-4"	5'-1"	6'-1"	7'-0"	3'-10"	4'-4"	5'-1"	6'-1"	7'-0"	3'-10"	4'-4"	5'-1"	6'-1"	7'-0"
	6	600RHL250-33	33 (20)	-	-	3'-3"	4'-0"	4'-11"	-	-	3'-3"	4'-0"	4'-11"	-	-	3'-3"	4'-0"	4'-11"
		600RHL250-43	43 (18)	4'-0"	4'-6"	5'-3"	6'-3"	7'-4"	4'-0"	4'-6"	5'-3"	6'-3"	7'-4"	4'-0"	4'-6"	5'-3"	6'-3"	7'-4"

Notes:

1 All headers require the attachment of the S-Series Clip at each end with headers installed open side up.

2 Recommended S-Series Clip 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 S-Series clip.

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