

SHH Header Hanger



This product is preferable to similar connectors because of a) easier installation, b) higher loads, c) lower installed cost, or a combination of these features.

The SHH steel header hanger is used to support traditional CFS box headers that are fabricated with top and bottom tracks, as well as large-flange lay-in headers that are common in curtain-wall construction. The connector geometry minimizes drywall buildup, and the screw count has been minimized through extensive testing. A wide array of value-engineered hole patterns are available that will accommodate different load levels while minimizing installed cost.

Features:

- The bottom tabs transfer wind load from the horizontal window header to the jamb studs and help support the header assembly during installation.
- Tabulated loads are based on component assembly testing, which assists to mitigate design risk.
- The SHH6 is manufactured in steel thicknesses of 54 mil (16 ga.) and 68 mil (14 ga.) that are intended for use with 6"-deep (min.) box headers, and the SHH3 is manufactured from 68 mil (14 ga.) steel and is intended for 3 $\frac{5}{8}$ " or 4"-deep (max.) box headers and large-flange lay-in headers.
- To enable easier drywall installation, the gusset portion of the SHH is coped to avoid 1 $\frac{1}{2}$ " (max.) track legs.
- The screw-hole layout at the jamb studs accommodates flange sizes of 1 $\frac{1}{8}$ ", 2", 2 $\frac{1}{2}$ ", 3" and 3 $\frac{1}{2}$ ". This versatility allows the load to be evenly distributed along two lines of fasteners so that each jamb stud carries equal axial load with minimum eccentricity.

Material: SHH3/68 – 68 mil (14 ga.), 40 ksi;
 SHH6/54 – 54 mil (16 ga.), 40 ksi;
 SHH6/68 – 68 mil (14 ga.), 40 ksi

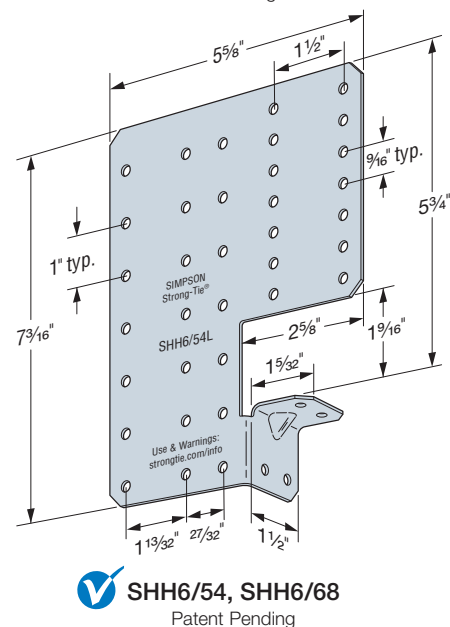
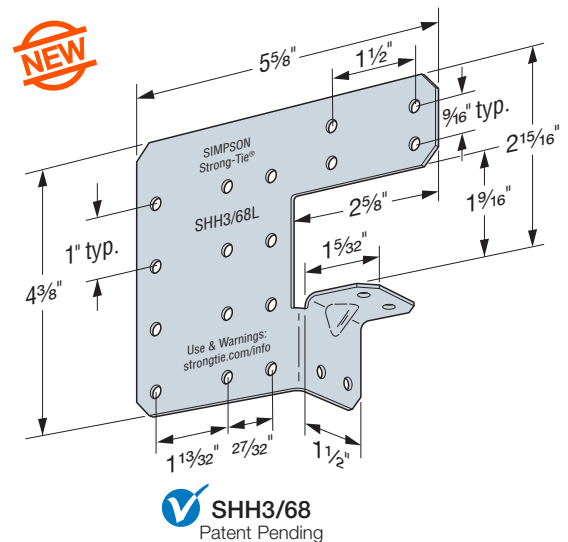
Finish: Galvanized (G90)

Installation:

- Use all specified anchors/fasteners.
- At each connection to a jamb stud, use one SHH connector on each side of the header. A $\frac{1}{8}$ " (max.) gap is allowed between the end of the header and the face of the jamb stud. Use all specified fasteners.

Codes: See p. 11 for Code Reference Key Chart.

Ordering Information: SHH3/68-KT24, SHH6/54-KT24 and SHH6/68-KT24 are each packaged as boxes of 12 right-handed connectors and 12 left-handed connectors.

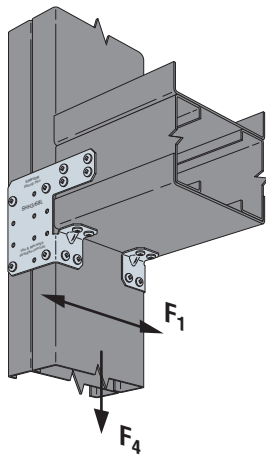


SHH Header Hanger

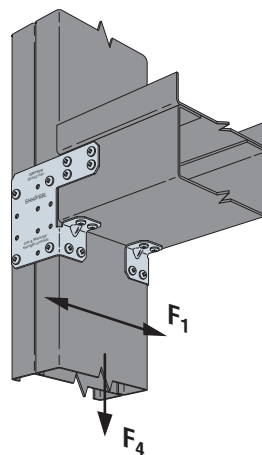
SHH Allowable Steel Header Hanger Connector Loads Total for Both Clips (lb.)

Model No.	Screw Pattern	#10 Screws to Jamb (Total per Connection)	#10 Screws to Header (Total per Connection)	Load Direction	Jamb Stud Thickness mil (ga.)	Header Stud / Track Thickness mil (ga.)					Code Ref.
						33 (20)	43 (18)	54 (16)	68 (14)	97 (12)	
SHH3/68	A1 or A2 (with box header)	Flanges (8) Web (4)	Web (8) Track (4)	F ₁	33 (20)	565	565		565		
					43 (18)		1,020				
					54 (16)		1,845				
				F ₄	33 (20)	1,300	1,300				
					43 (18)		1,740				
					54 (16)		3,140				
SHH3/68	B1 or B2 (with large-flange header)	Flanges (8) Web (4)	Flanges (8) Web (4)	F ₁	33 (20)	335	335		335		
					43 (18)		635				
					54 (16)		1,150				
				F ₄	33 (20)	1,285	1,285				
					43 (18)		1,775				
					54 (16)		2,275				
SHH6/54	C1 or C2	Flanges (8) Web (4)	Web (8) Track (4)	F ₁	33 (20)	400	400		400		
					43 (18)		770				
					54 (16)		770				
					68 (14)		770				
				F ₄	33 (20)	1,705	1,705				
					43 (18)		2,310				
					54 (16)		3,525				
					68 (14)		3,525	4,180	4,180		
SHH6/54	D1 or D2	Flanges (12) Web (4)	Web (12) Track (4)	F ₁	33 (20)	400	400		400		
					43 (18)		775				
					54 (16)		1,495				
				F ₄	33 (20)	1,705	1,705				
					43 (18)		2,365				
					54 (16)		5,335				
SHH6/54	E1 or E2	Flanges (16) Web (4)	Web (16) Track (4)	F ₁	33 (20)	400	400		400		
					43 (18)		775				
					54 (16)		1,495				
				F ₄	33 (20)	1,705	1,705				
					43 (18)		2,365				
					54 (16)		5,335				

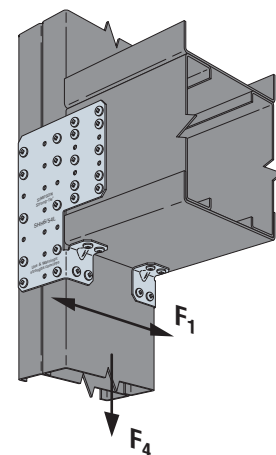
See footnotes on p. 100.



SHH3/68 with Box Header



SHH3/68 with Large-Flange Header



SHH6/54, SHH6/68

SHH Header Hanger

SHH Allowable Steel Header Hanger Connector Loads for Both Clips (lb.) (cont.)

Rigid Connectors

Model No.	Screw Pattern	#10 Screws to Jamb (Total per Connection)	#10 Screws to Header (Total per Connection)	Load Direction	Jamb Stud Thickness mil (ga.)	Header Stud / Track Thickness mil (ga.)					Code Ref.				
						33 (20)	43 (18)	54 (16)	68 (14)	97 (12)					
SHH6/54	F1 or F2	Flanges (20) Web (4)	Web (20) Track (4)	F ₁	33 (20)	400	400		400						
					43 (18)		775		775						
					54 (16)		775	1,565	1,565						
					68 (14)				2,565						
				F ₄	33 (20)	1,705		1,705							
					43 (18)	2,365		2,365							
					54 (16)	2,365	5,650	5,650							
					68 (14)			7,220							
SHH6/54	G1 or G2	Flanges (28) Web (4)	Web (28) Track (4)	F ₁	33 (20)	400	400		400						
					43 (18)		775		775						
					54 (16)		775	1,565	1,565						
					68 (14)				2,565						
					97 (12)										
				F ₄	33 (20)	1,705		1,705							
					43 (18)	2,365		2,365							
					54 (16)	2,365	5,650	5,650							
					68 (14)			7,700							
					97 (12)			7,700	9,710						
					SHH6/68	E1 or E2	Flanges (16) Web (4)	Web (16) Track (4)	F ₁	33 (20)	400	400		400	
										43 (18)		870		870	
54 (16)	870	1,610	1,610												
68 (14)			2,565												
F ₄	33 (20)	1,705		1,705											
	43 (18)	2,365		2,365											
	54 (16)	2,365	5,665	5,665											
	68 (14)			6,180											
SHH6/68	F1 or F2	Flanges (20) Web (4)	Web (20) Track (4)	F ₁	33 (20)	400	400		400						
					43 (18)		775		775						
					54 (16)		775	1,565	1,565						
					68 (14)				2,565						
				F ₄	33 (20)	1,705		1,705							
					43 (18)	2,365		2,365							
					54 (16)	2,365	5,665	5,655							
					68 (14)			7,415							
SHH6/68	G1 or G2	Flanges (28) Web (4)	Web (28) Track (4)	F ₁	33 (20)	400	400		400						
					43 (18)		870		870						
					54 (16)		870	1,610	1,610						
					68 (14)				2,565						
					97 (12)				2,565						
				F ₄	33 (20)	1,705		1,705							
					43 (18)	2,365		2,365							
					54 (16)	2,365	5,665	5,655							
					68 (14)			7,700							
					97 (12)			7,700	10,410						

1. Screws must be located in screw hole locations shown in SHH screw patterns on p. 101 to achieve listed loads.

2. Connectors must be installed in pairs. Fasteners listed are number of fasteners for both clips in the connection at one end of header.

3. Allowable load is total load at one end of header assembly with both clips (left hand and right hand).

SHH Header Hanger

SHH Screw Patterns (Total Number of Screws Both Clips)

SHH3/68 No. of Screws	Pattern A1	Pattern A2
Header Web (8)		
Header Track (4)		
Jamb Flanges (8)		
Jamb Web (4)		

SHH3/68 No. of Screws	Pattern B1	Pattern B2
Header Flange (8)		
Header Web (4)		
Jamb Flanges (8)		
Jamb Web (4)		

SHH6/54 No. of Screws	Pattern C1	Pattern C2
Header Web (8)		
Header Track (4)		
Jamb Flanges (8)		
Jamb Web (4)		

SHH6/54 No. of Screws	Pattern D1	Pattern D2
Header Web (12)		
Header Track (4)		
Jamb Flanges (12)		
Jamb Web (4)		

SHH6/54 or 68 No. of Screws	Pattern E1	Pattern E2
Header Web (16)		
Header Track (4)		
Jamb Flanges (16)		
Jamb Web (4)		

SHH6/54 or 68 No. of Screws	Pattern F1	Pattern F2
Header Web (20)		
Header Track (4)		
Jamb Flanges (20)		
Jamb Web (4)		

SHH6/54 or 68 No. of Screws	Pattern G1	Pattern G2
Header Web (28)		
Header Track (4)		
Jamb Flanges (28)		
Jamb Web (4)		