

SHH Header Hanger

Rigid Connectors



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 $\frac{1}{2}$ ", 2", 2 $\frac{1}{2}$ ", 3" and 3 $\frac{1}{2}$ ". This versatility allows two lines of fasteners to distribute the axial load.

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

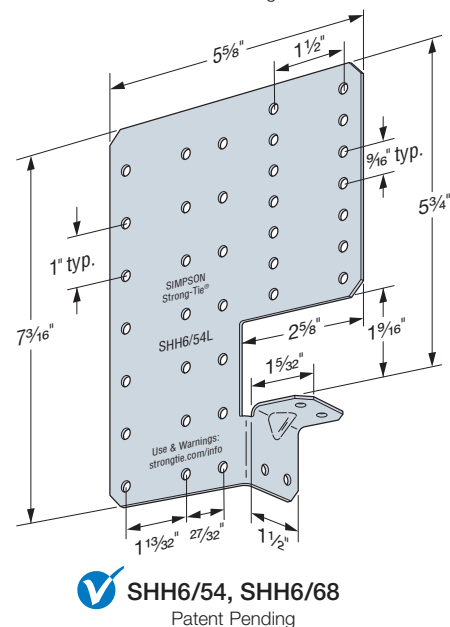
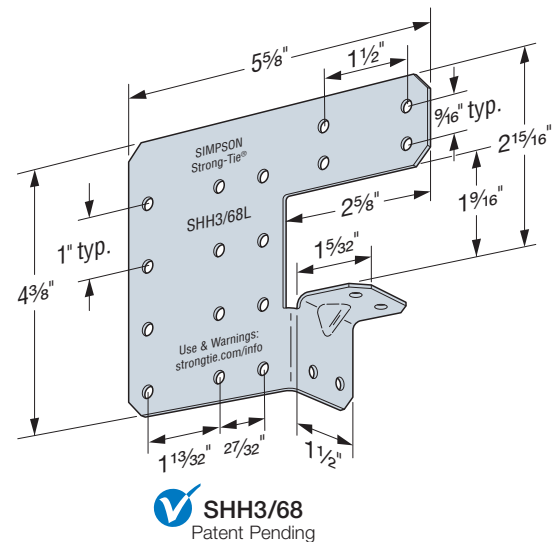
Finish: Galvanized (G90)

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. 13 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.

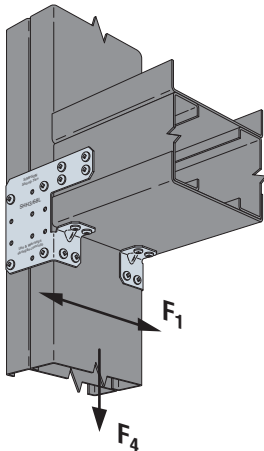


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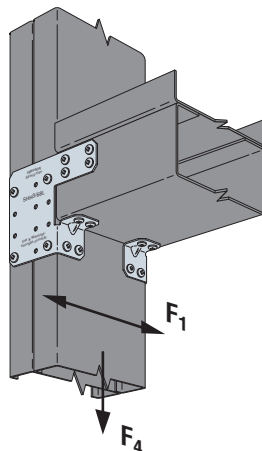
SHH Allowable Steel Header Hanger Connector Loads Total for Both Clips (lb.)

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	1,020			
					54 (16)			1,845			
				F ₄	33 (20)	1,300	1,300	1,300			
					43 (18)		1,740	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	635			
					54 (16)			1,150			
				F ₄	33 (20)	1,285	1,285	1,285			
					43 (18)		1,775	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	770			
					54 (16)						
					68 (14)						
				F ₄	33 (20)	1,705	1,705	1,705			
					43 (18)		2,310	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	775			
					54 (16)			1,495			
				F ₄	33 (20)	1,705	1,705	1,705			
					43 (18)		2,365	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	775			
					54 (16)			1,495			
				F ₄	33 (20)	1,705	1,705	1,705			
					43 (18)		2,365	2,365			
					54 (16)			5,335			

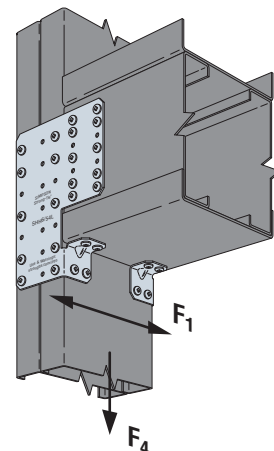
See footnotes on p. 110.



SHH3/68 with Box Header



SHH3/68 with Large-Flange Header



SHH6/54, SHH6/68

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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		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)				2,565							
				F ₄	33 (20)	1,705	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					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		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		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 the patterns shown on p. 111 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).

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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)		