

CGH Corner Girder Hangers

The CGH is a multi-purpose connector used for connecting hip and jack trusses to bottom chords of girder trusses at a 45° skew.

MATERIAL: Face plate – 3 gauge; Stirrups – 11 gauge

FINISH: Simpson gray paint.

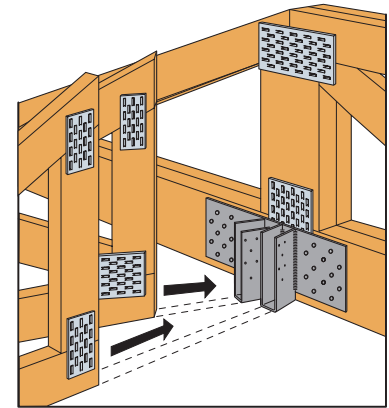
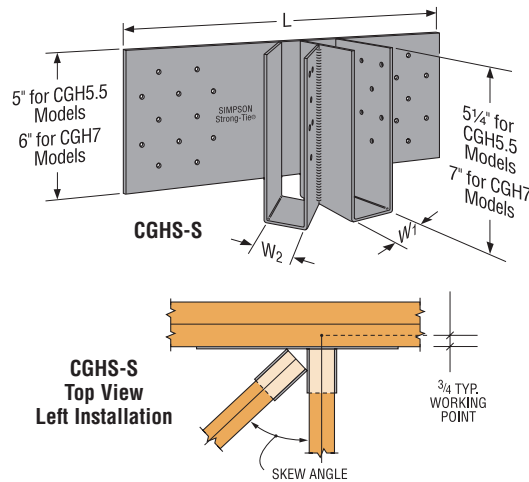
INSTALLATION:

- Use all specified fasteners.
- All multiple members must be fastened together to act as a single unit.
- When using single ply hip or jack trusses, fasten the member to the connector with 10dx1½"nails.

TO ORDER:

- Specify left or right hip skew.

OPTIONS: None



CGHS-S Left Installation

Plated Truss Connectors

Model No.	Dimensions (in)			Fasteners			Factored Resistance						
	W1	W2	L	Header	Hip	Jack	D.Fir-L		S-P-F				
							Uplift	Normal	Uplift	Normal			
							(K _D =1.15)	(K _D =1.00)	(K _D =1.15)	(K _D =1.00)			
							lbs	lbs	lbs	lbs			
kN	kN	kN	kN										
CGH5.5S-S	1½	1½	14	24-16d	4-10dx1½	4-10dx1½	1085	5205	775	3660			
CGH5.5S-D	1½	3¼	15				4.83	23.18	3.45	16.30			
CGH5.5D-S	3¼	1½	16				24-16d	6-10dx1½	6-10dx1½	1630	7820	1165	5505
CGH5.5D-D	3¼	3¼	17							7.26	34.83	5.19	24.52
CGH7S-S	1½	1½	14	24-16d	6-10dx1½	6-10dx1½				1630	7820	1165	5505
CGH7S-D	1½	3¼	15										
CGH7D-S	3¼	1½	16										
CGH7D-D	3¼	3¼	17										

1. Factored uplift resistances have been increased 15% for short term loading, and are for each connecting member. Reduce where other loads govern.
2. The factored normal resistances are based on the combined load from both connecting members.
3. For single ply hips or jacks verify that the 3" bearing length does not govern.
4. Factored uplift resistances shown are for each joist.
5. **NAILS:** 16d = 0.162" dia. x 3½" long, 10dx1½ = 0.148" dia. x 1½" long. See page 16-17 for other nail sizes and information.

DSC Drag Strut Connector

The DSC Drag Strut Connector transfers diaphragm shear forces to the shear walls. **The new DSC2 is a smaller, lighter version that installs with fewer screws.**

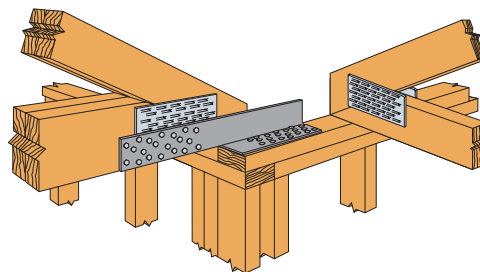
MATERIAL: DSC2—7 gauge, DSC4—3 gauge

FINISH: DSC2—Galvanized

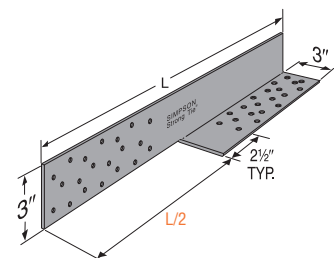
DSC4—Simpson gray paint

INSTALLATION: • Use all specified fasteners; see General Notes.

- Screws are provided.



Typical DSC4R-SDS3 Installation (DSC2 similar)



DSC4R/L-SDS3

(DSC2 similar)

(Right hand DSC shown; specify right or left hand when ordering)

U.S. Patent 6,655,096

Model No.	L (in)	Fasteners	Factored Resistance			
			D.Fir-L		S-P-F	
			Compression	Tension	Compression	Tension
			(K _D =1.15)	(K _D =1.15)	(K _D =1.15)	(K _D =1.15)
			lbs	lbs	lbs	lbs
kN	kN	kN	kN			
DSC2R/L-SDS3	16	20-SDS ¼"x3"	3740	4360	3305	3850
			16.63	19.40	14.70	17.13
DSC4R/L-SDS3	21	40-SDS ¼"x3"	7395	6345	6045	5250
			32.94	28.26	26.93	23.39

1. Factored resistances have been increased 15% for earthquake and wind loading with no further increase allowed.
2. Lag screws will not generate the tabulated factored resistances.
3. SDS screws minimum penetration is 1¼", minimum end distance is 2½" and minimum edge distance is ¾" for full load values.
4. Installation of Strong Drive screws through truss plates must be approved by the truss engineer. Pre-drilling is required.