

The H16-2 series has a presloped seat of 5/12, for double trusses.

The H connector series provides wind and seismic ties for trusses and rafters.

The presloped 5/12 seat of the H16 provides for a tight fit and reduced deflection.

The strap length provides for various truss height up to a maximum of 13 1/2" (H16 series). Minimum heel height for H16 series is 4".

The HGA10 attaches to gable trusses and provides good lateral wind resistance.

The HS24 attaches the bottom chord of a truss or rafter at pitches from 0:12 to 4:12 to double 2x4 top plates. Double shear nailing allows for higher lateral resistance.

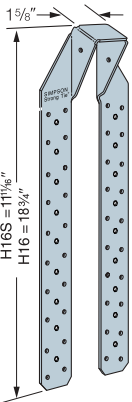
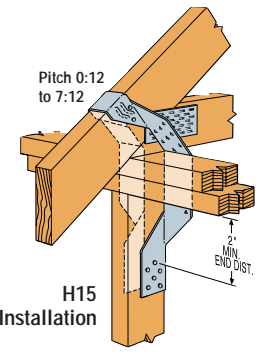
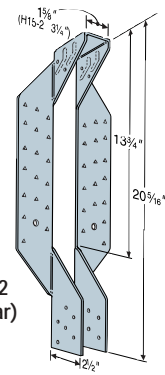
MATERIAL: See table

FINISH: Galvanized. Some models available in stainless steel or Z-MAX; see Corrosion-Resistance, page 7.

INSTALLATION: • Use all specified fasteners. See General Notes.

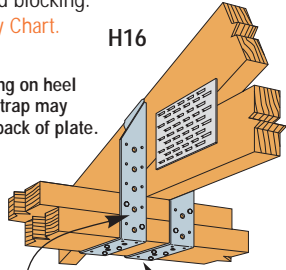
- The HGA10 can be installed into wood. Screws are provided.
- HS24 requires slant nailing only when bottom chord of truss or rafter has no slope.
- Hurricane Ties do not replace solid blocking.

CODES: See page 8 for Code Listing Key Chart.

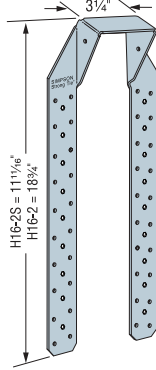


H16 and H16S
Presloped at 5:12. Pitch of 3:12 to 7:12 is acceptable

Depending on heel height, strap may wrap to back of plate.

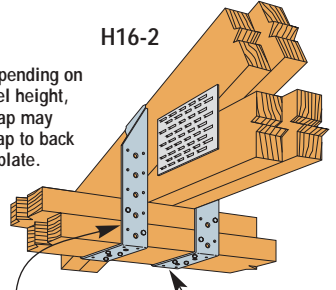


Install 4-10dx1 1/2 to inside edge of 2x
Install 6-10dx1 1/2 to face of 2x

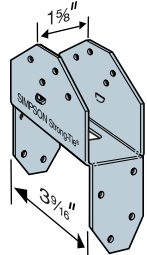
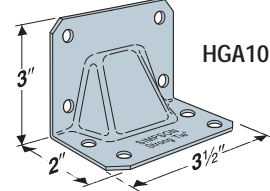
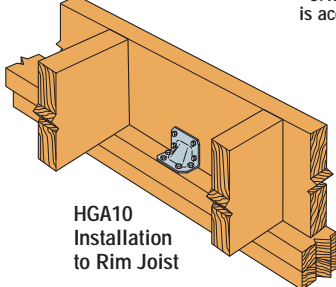
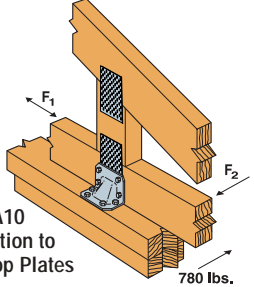


H16-2 and H16-2S
Presloped at 5:12. Pitch of 3:12 to 7:12 is acceptable

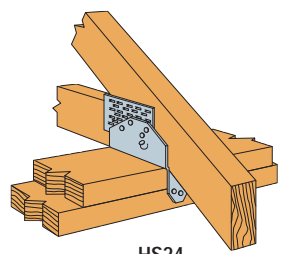
Depending on heel height, strap may wrap to back of plate.



Install 4-10dx1 1/2 to inside edge of 2x
Install 6-10dx1 1/2 to face of 2x



HS24
U.S. Patents 4,480,941 and 5,603,580
Canada Patent 1,193,418



HS24 Installation

Model No.	Ga	Fasteners			Uplift Avg Ult	Doug-Fir Larch/So. Pine Allowable Loads ¹				Spruce-Pine-Fir Allowable Loads ¹				Code Ref.
		To Rafters/Truss	To Plates	To Studs		Uplift		Lateral (133/160)		Uplift		Lateral (133/160)		
						(133)	(160)	F ₁	F ₂	(133)	(160)	F ₁	F ₂	
HGA10KT	14	4-SDS 1/4x1 1/2	4-SDS 1/4x3	—	1523	435	435	1165	940	375	375	870	815	160
HS24	18	8-8dx1 1/2 & 2-8d slant	8-8d	—	2205	605 ³	605 ³	645 ³	1025 ³	520	520	555	880	9, 62
H15	16	4-10dx1 1/2	4-10dx1 1/2	12-10dx1 1/2	6070	1300	1300	480	—	1120	1120	410	—	6, 39
H15-2	16	4-10dx1 1/2	4-10dx1 1/2	12-10dx1 1/2	6070	1300	1300	480	—	1120	1120	410	—	6, 39
H16	18	2-10dx1 1/2	10-10dx1 1/2	—	4582	1470	1470	—	—	1265	1265	—	—	160
H16S	18	2-10dx1 1/2	10-10dx1 1/2	—	4582	1470	1470	—	—	1265	1265	—	—	160
H16-2	18	2-10dx1 1/2	10-10dx1 1/2	—	4582	1470	1470	—	—	1265	1265	—	—	160
H16-2S	18	2-10dx1 1/2	10-10dx1 1/2	—	4582	1470	1470	—	—	1265	1265	—	—	160

1. Loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed; reduce where other loads govern.
2. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement to resist such forces should be considered.

3. HS24 allowable loads without slant nailing are 625 lbs (uplift), 590 lbs (F₁), 640 lbs (F₂).
4. For H16-2S, S = short.

HL HEAVY ANGLES AND GUSSETS

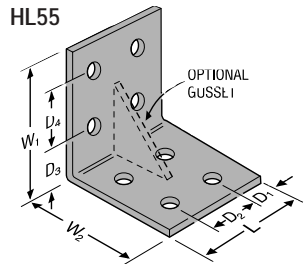
Versatile angle gussets and heavy angles promote standardization and construction economy, and are compatible with Strong-Tie structural hardware.

FINISH: HL33, 35, 53, 55 are galvanized; others Simpson gray paint.

OPTIONS: Gussets may be added to HL models when L ≥ 5" (specify G after model number, as in HL46G).

CODES: See page 8 for Code Listing Key Chart.

Model No.	Ga	Dimensions						Bolts		Code Ref.
		W ₁ & W ₂	L	D ₁	D ₂	D ₃	D ₄	Qty	Dia	
HL33	7	3 3/4	2 1/2	1 1/4	—	2	—	2	5/8	180
HL35	7	3 3/4	5	1 1/4	2 1/2	2	—	4	5/8	
HL53	7	5 3/4	2 1/2	1 1/4	—	2	2 1/2	4	5/8	
HL55	7	5 3/4	5	1 1/4	2 1/2	2	2 1/2	8	5/8	
HL43	3	4 1/4	3	1 1/2	—	2 3/4	—	2	3/4	
HL46	3	4 1/4	6	1 1/2	3	2 3/4	—	4	3/4	
HL73	3	7 1/4	3	1 1/2	—	2 3/4	3	4	3/4	
HL76	3	7 1/4	6	1 1/2	3	2 3/4	3	8	3/4	



1. Connectors are not load rated.