

FACE MOUNT HANGERS HU/HUC/HUCQ/HGUS *Glulam Beam & Double Shear Joist Hangers*

See Hanger Options on pages 181-183 for hanger modifications, which may result in reduced loads.

HU/HUC—Most models have triangle and round holes. To achieve maximum loads, fill both round and triangle holes with common nails.

HGUS—Face mount hanger used for high load applications. All hangers in this series have double shear nailing. This patented innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation, and the use of common nails for all connections. *(Do not bend or remove tabs)*

MATERIAL: See tables

FINISH: Galvanized. Some products available in ZMAX® coating; see Corrosion Information, page 10-11.

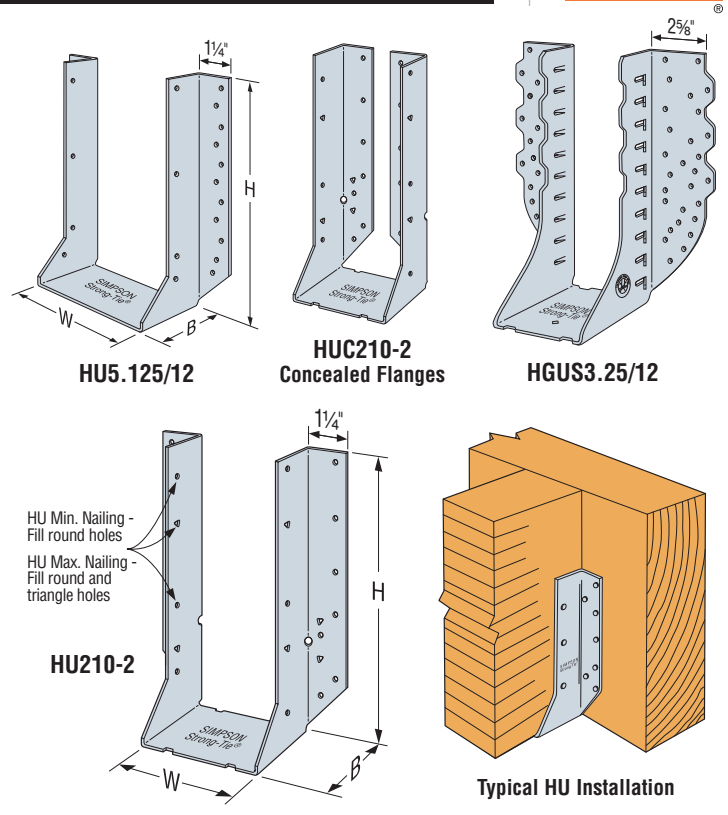
INSTALLATION: • Use all specified fasteners. See General Notes.

- HU/HUC—can be installed filling round holes only, or filling round and triangle holes for maximum values.
- HGUS—Nails must be driven at an angle through the joist or truss into the header to achieve the table loads.
- With 3x carrying members, use 16d x 2½" (0.162" dia. x 2½" long) nails into the header and 16d commons into the joist with no load reduction. With 2x carrying members, use 10d x 1½" (0.148" dia. x 1½" long) nails into the header and 10d commons into the joist, and reduce the load to 0.64 of the table value.
- For installations to masonry or concrete, see page 140.

OPTIONS: • HU hangers available with the header flanges turned in for 2⅝" and larger widths, with no load reduction—order HUC hanger.

- See Hanger Options on pages 181-183, for sloped and/or skewed HU models, and HUC (*concealed flange*) models.
- Concealed flanges are not available for HGUS.
- Other sizes available; contact Simpson Strong-Tie.
- See also HUS series.

CODES: See page 12 for Code Reference Key Chart.



Glulam Beam Connectors

Double Shear Nailing Top View

Double Shear Nailing Side View
Do not bend tab

Dome Double Shear Nailing Side View
(available on some models)
U.S. Patent 5,603,580

Projection seat on most models for maximum bearing and section economy.

Model configurations may differ from those shown. Some HU models do not have triangle holes. Contact Simpson Strong-Tie for details.

| Carried Member Width | Model No. | Ga | Dimensions | | | | Fasteners | | Allowable Loads | | | | | | Code Ref. | | | |
|----------------------|--|-----|--------------------------|-----|--------|---------|------------|-----------|----------------------|-------------|------------|-----------------------|-------------|------------|-----------|------------|------|--------|
| | | | W | H | B | Min/Max | Face | Joist | DF/SP Species Header | | | SPF/HF Species Header | | | | | | |
| | | | | | | | | | Uplift (160) | Floor (100) | Snow (115) | Roof (125) | Floor (100) | Snow (115) | | Roof (125) | | |
| 3½ GLULAM | HU210-2/HUC210-2 | 14 | 3½ | 8⅜ | 2½ | Min | 14-16d | 6-10d | 1085 | 1875 | 2155 | 2345 | 1625 | 1870 | 2030 | I7, F6 | | |
| | | | 3½ | 8⅜ | 2½ | Max | 18-16d | 10-10d | 1810 | 2410 | 2775 | 3015 | 2090 | 2400 | 2610 | | | |
| | HU212-2/HUC212-2 | | 3½ | 10⅞ | 2½ | Min | 16-16d | 6-10d | 1085 | 2145 | 2465 | 2680 | 1855 | 2135 | 2320 | 170 | | |
| | | | 3½ | 10⅞ | 2½ | Max | 22-16d | 10-10d | 1810 | 2950 | 3390 | 3685 | 2550 | 2935 | 3190 | | | |
| | HU3.25/10.5 / HUC3.25/10.5 | | HU3.25/12 / HUC3.25/12 | 3½ | 10¼ | 2½ | — | 22-16d | 10-10d | 1810 | 2950 | 3390 | 3685 | 2550 | 2935 | 3190 | 170 | |
| | | | | 3½ | 11¾ | 2½ | — | 24-16d | 12-10d | 2015 | 3215 | 3700 | 4020 | 2785 | 3200 | 3480 | | |
| | HU216-2 / HUC216-2 | | HGUS3.25/10 | 12 | 3½ | 13¾ | 2½ | Min | 20-16d | 8-10d | 1445 | 2680 | 3080 | 3350 | 2320 | 2670 | 2900 | I7, F6 |
| | | | | | 3½ | 13¾ | 2½ | Max | 26-16d | 12-10d | 2015 | 3485 | 4005 | 4355 | 3015 | 3470 | 3770 | |
| 3½ | | 8⅞ | | | 4 | — | 46-16d | 16-16d | 3630 | 8780 | 8940 | 8940 | 6725 | 6935 | 7080 | | | |
| HGUS3.25/12 | 3½ | 10⅞ | 4 | — | 56-16d | 20-16d | 4055 | 9155 | 9155 | 9155 | 7080 | 7345 | 7520 | F23 | | | | |
| 3½ GLULAM | See HHUS, HGUS and HUCQ in 3½" Structural Composite Lumber section, page 87-88 or GU series on page 89. | | | | | | | | | | | | | | | | | |
| 5% GLULAM | HU310-2 / HUC310-2 | 14 | 5½ | 8⅞ | 2½ | — | 14-16d | 6-10d | 1085 | 1875 | 2155 | 2345 | 1625 | 1870 | 2030 | I7, F6 | | |
| | | | 5½ | 10¼ | 2½ | — | 22-16d | 8-16d | 1715 | 2950 | 3390 | 3685 | 2550 | 2935 | 3190 | | | |
| | HU5.125/13.5 / HUC5.125/13.5 | | HU5.125/16 / HUC5.125/16 | 5½ | 13¼ | 2½ | — | 26-16d | 12-16d | 2575 | 3485 | 4005 | 4355 | 3015 | 3470 | 3770 | 170 | |
| | | | | 5½ | 13¾ | 2½ | — | 26-16d | 12-16d | 2575 | 3485 | 4005 | 4355 | 3015 | 3470 | 3770 | | |
| | HUCQ5.25/9-SDS | | 5½ | 9 | 3 | — | 12-SDS¼x2½ | 6-SDS¼x2½ | 3025 | 4955 | 4955 | 4955 | 3570 | 3570 | 3570 | F23 | | |
| | HUCQ5.25/11-SDS | | 5½ | 11 | 3 | — | 14-SDS¼x2½ | 6-SDS¼x2½ | 3025 | 5560 | 5560 | 5560 | 4005 | 4005 | 4005 | | | |
| | HGUS5.25/10 | | HGUS5.25/12 | 5½ | 9⅞ | 4 | — | 46-16d | 16-16d | 3630 | 8780 | 8940 | 8940 | 7510 | 7510 | 7510 | | |
| | 5½ | | | 10⅞ | 4 | — | 56-16d | 20-16d | 4055 | 9155 | 9155 | 9155 | 7690 | 7690 | 7690 | | | |
| 5½ GLULAM | See HHUS, HGUS and HUCQ in 5¼" Structural Composite Lumber section, page 88 or GU series on page 89. | | | | | | | | | | | | | | | | | |
| 6% GLULAM | HGUS6.88/10 | 12 | 6⅞ | 8⅞ | 4 | — | 46-16d | 16-16d | 3630 | 8780 | 9625 | 9625 | 7595 | 8085 | 8085 | F23 | | |
| | HGUS6.88/12 | | 6⅞ | 10⅞ | 4 | — | 54-16d | 20-16d | 4055 | 9835 | 9835 | 9835 | 8260 | 8260 | 8260 | | | |
| | HGUS6.88/14 | | 6⅞ | 12⅞ | 4 | — | 66-16d | 22-16d | 5380 | 11110 | 11110 | 11110 | 9330 | 9330 | 9330 | | | |
| 7 GLULAM | See HHUS and HGUS in 7" Structural Composite Lumber section, page 88 or GU series on page 89. | | | | | | | | | | | | | | | | | |
| 8% GLULAM | See HGU and HHGU on page 112. | | | | | | | | | | | | | | | | | |

1. 10d commons or 16d sinkers may be used instead of the specified 16d at 0.84 of the table load value.
 2. 16d sinkers may be used instead of the specified 10d commons with no load reduction.
 3. Uplift loads based on Douglas Fir and have been increased 60% for wind or earthquake loading with no further increase allowed. For normal loading applications such as cantilever construction refer to Simpson Strong-Tie® Connector Selector™ software or conservatively divide the uplift load by 1.6.
 4. MIN nailing quantity and load values—fill all round holes; MAX nailing quantity and load values—fill all round and triangle holes.
 5. For SPF/HF uplift, use 0.86 x DF/SP uplift load for products requiring nails and 0.72 for products requiring screws.
 6. **NAILS:** 16d = 0.162" dia. x 3½" long, 10d = 0.148" dia. x 3" long. See page 16-17 for other nail sizes and information.