

FACE MOUNT HANGERS LUCZ/LU/U/HU Standard Joist Hangers

NEW! LUCZ concealed flange hanger available for 2x6, 2x8, 2x10 and 2x12 lumber. Ideal for end of ledger/header or post conditions, the LUCZ also provides cleaner lines for exposed conditions such as overhead decks.

See Hanger tables on pages 55 to 60. See Hanger Options on page 183 for hanger modifications, which may result in reduced resistances.

LU—Value engineered for strength and economy. Precision-formed—engineered for installation ease and design value.

U—The standard U hanger provides flexibility of joist to header installation. Versatile fastener selection with tested factored resistances.

HU—Most models have triangle and round holes. To achieve maximum resistances, fill both round and triangle holes with common nails. These heavy-duty connectors are designed for schools and other structures requiring additional strength, longevity and safety factors.

MATERIAL: See tables on pages 55 to 60.

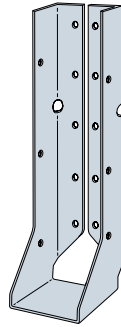
FINISH: Galvanized. Some products available in ZMAX® coating.

INSTALLATION:

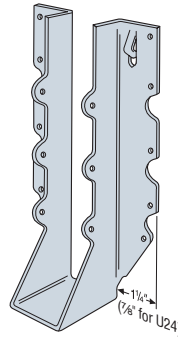
- Use all specified fasteners. See General Notes.
- HU—can be installed filling round holes only, or filling round and triangle holes for maximum values.
- Joists sloped up to 1/4:12 achieve tabulated values.
- For installations to masonry or concrete see page 162.
- HU hangers can be welded to a steel member – refer to technical bulletin T-HUHUC-W.

OPTIONS: • HU hangers available with the header flanges turned in for 2 9/16" width and larger, with no reduction in resistances—order HUC hanger.

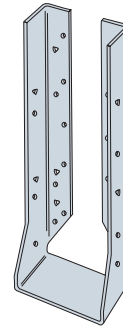
- See Hanger Options on page 183 for sloped and/or skewed U/HU models, and HUC (concealed flange) models.
- HU only—rough beam sizes available by special order.
- See page 60 for stocked U hanger rough sizes tables. Rough sizes are not available in 8x.
- Also see LUS and HUS series.



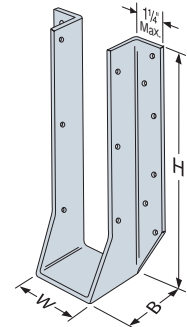
LUC210Z
(LUC26Z Similar)



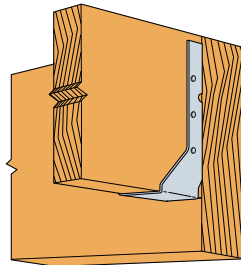
U210



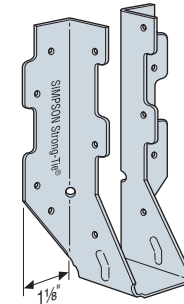
HUC412
Concealed Flanges



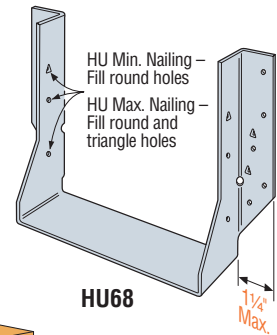
HU214
Projection seat on most models for maximum bearing and section economy.



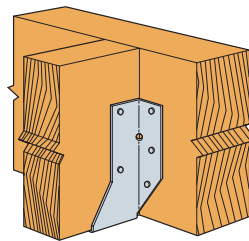
Typical LUCZ Installation



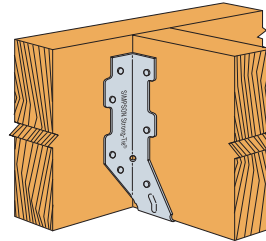
LU28L



HU68



Typical HU Installation



Typical LU28L Installation

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

Solid Sawn Lumber Connectors

JOIST FACTORED SHEAR RESISTANCES

The maximum capacity of a horizontal joist or rafter may be limited by its factored shear resistance (V_r). This table gives the capacity for common sizes.

| Joist or Rafter | Factored Shear Resistance (V_r) | | | |
|-----------------|-------------------------------------|----------------|----------------|----------------|
| | D. Fir-L | | S-P-F | |
| | ($K_D=1.00$) | ($K_D=1.15$) | ($K_D=1.00$) | ($K_D=1.15$) |
| | lbs | lbs | lbs | lbs |
| | kN | kN | kN | kN |
| 2x4 | 1470 | 1695 | 1160 | 1335 |
| | 6.54 | 7.54 | 5.18 | 5.95 |
| 2x6 | 1900 | 2200 | 1505 | 1730 |
| | 8.51 | 9.79 | 6.71 | 7.71 |
| 2x8 | 2150 | 2475 | 1695 | 1945 |
| | 9.59 | 11.02 | 7.54 | 8.67 |
| 2x10 | 2515 | 2895 | 1985 | 2280 |
| | 11.21 | 12.89 | 8.83 | 10.16 |
| 2x12 | 2785 | 3205 | 2195 | 2525 |
| | 12.41 | 14.27 | 9.78 | 11.25 |

1. Factored shear resistances shown assume a single member system factor ($K_H=1.00$). Resistances may be increased as per 5.4.4 CSA 086S1-05 for Case 1 and Case 2 systems.
2. Resistances shown are for No. 1/No. 2 grades.