

# Face Mount Truss Hangers

## THD series

Medium-to-heavy capacity face mount hanger. Some THD models are available with a min/max installation option.

**Materials:** See chart

**Finish:** G90 galvanizing

**Options:** THD28-2, THD46, THD48, THD410 are available in Triple Zinc. To order, add TZ to stock number, as in THD28-2TZ.

**Codes:** ICC-ES ESR-3445, FL17232, COLA RR 25843

### Installation:

- Use all specified fasteners.
- **THD Min** – Fill all round nail holes.
- **THD Max** – Fill all round and diamond holes.

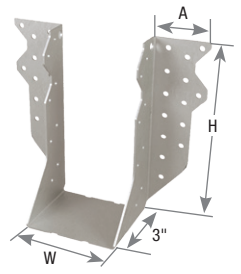
Some model designs may vary from illustrations shown



Typical THD28 installation



THD28



THD double or larger

| Joist /<br>Truss Size | USP<br>Stock No. | Ref. No.               | Steel<br>Gauge | Dimensions (in) |        |   |       | Fastener Schedule <sup>2</sup> |        |      |       |             |                        | DF/SP<br>Allowable Loads (Lbs.) |      |                     |      |
|-----------------------|------------------|------------------------|----------------|-----------------|--------|---|-------|--------------------------------|--------|------|-------|-------------|------------------------|---------------------------------|------|---------------------|------|
|                       |                  |                        |                | W               | H      | D | A     | Min/<br>Max                    | Header |      | Truss |             | Allowable Loads (Lbs.) |                                 |      |                     |      |
|                       |                  |                        |                |                 |        |   |       |                                | Qty    | Type | Qty   | Type        | Floor                  | Roof                            |      | Uplift <sup>1</sup> |      |
|                       |                  |                        |                |                 |        |   |       |                                |        |      |       |             | 100%                   | 115%                            | 125% | 160%                |      |
| 2 x 6 - 8             | THD26            | HTU26                  | 16             | 1-5/8           | 5-1/16 | 3 | 1-7/8 | Min                            | 18     | 16d  | 12    | 10d x 1-1/2 | 2645                   | 3000                            | 3240 | 2265                |      |
| 2 x 8 - 10            | THD28            | HTU28                  | 16             | 1-5/8           | 7      | 3 | 1-7/8 | Max                            | 20     | 16d  | 20    | 10d x 1-1/2 | 2940                   | 3260                            | 3260 | 2315                |      |
|                       |                  |                        |                |                 |        |   |       | Min                            | 28     | 16d  | 16    | 10d x 1-1/2 | 4115                   | 4195                            | 4195 | 2315                |      |
| 2 x 10 - 12           | THD210           | HTU210                 | 16             | 1-5/8           | 9      | 3 | 1-7/8 | Max                            | 28     | 16d  | 26    | 10d x 1-1/2 | 4115                   | 4670                            | 5040 | 2315                |      |
|                       |                  |                        |                |                 |        |   |       | Min                            | 38     | 16d  | 20    | 10d x 1-1/2 | 5315                   | 5590                            | 5590 | 3775                |      |
| (2) 2 x 6 - 8         | THD26-2          | HHUS26-2,<br>HTU26-2   | 14             | 3-7/16          | 5-3/8  | 3 | 2     | --                             | Max    | 38   | 16d   | 32          | 10d x 1-1/2            | 5585                            | 5990 | 5990                | 4010 |
|                       |                  |                        |                |                 |        |   |       |                                | Min    | 18   | 16d   | 12          | 10d                    | 2770                            | 3125 | 3355                | 2340 |
| (2) 2 x 8 - 10        | THD28-2          | HHUS28-2,<br>HTU28-2   | 14             | 3-7/16          | 7-1/8  | 3 | 2     | --                             | 28     | 16d  | 16    | 10d         | 4310                   | 4860                            | 5005 | 2595                |      |
| (2) 2 x 10 - 12       | THD210-2         | HHUS210-2,<br>HTU210-2 | 14             | 3-7/16          | 9-1/8  | 3 | 2     | --                             | 38     | 16d  | 20    | 10d         | 5850                   | 6600                            | 7045 | 3905                |      |
| 4 x 6 - 8             | THD46            | HHUS46                 | 14             | 3-5/8           | 5-5/16 | 3 | 2     | --                             | 18     | 16d  | 12    | 10d         | 2770                   | 3125                            | 3355 | 2340                |      |
| 4 x 8 - 10            | THD48            | HHUS48                 | 14             | 3-5/8           | 7-1/16 | 3 | 2     | --                             | 28     | 16d  | 16    | 10d         | 4310                   | 4860                            | 5005 | 2595                |      |
| 4 x 10 - 12           | THD410           | HHUS410                | 14             | 3-5/8           | 9-1/16 | 3 | 2     | --                             | 38     | 16d  | 20    | 10d         | 5850                   | 6600                            | 7045 | 3905                |      |
| 4 x 12 - 14           | THD412           | --                     | 14             | 3-5/8           | 11     | 3 | 3     | --                             | 48     | 16d  | 20    | 10d         | 7045                   | 7045                            | 7045 | 3905                |      |
| 4 x 14 - 16           | THD414           | --                     | 14             | 3-5/8           | 12-7/8 | 3 | 3     | --                             | 58     | 16d  | 20    | 10d         | 7045                   | 7045                            | 7045 | 3905                |      |
| (3) 2 x 10 - 12       | THD210-3         | HHUS210-3              | 12             | 5-1/8           | 9      | 3 | 3     | --                             | 38     | 16d  | 20    | 10d         | 6535                   | 7255                            | 7745 | 4010                |      |
| 6 x 10 - 12           | THD610           | HHUS5.50/10            | 12             | 5-1/2           | 9      | 3 | 3     | --                             | 38     | 16d  | 20    | 10d         | 6535                   | 7255                            | 7745 | 4010                |      |
| 6 x 12 - 14           | THD612           | --                     | 12             | 5-1/2           | 11     | 3 | 3     | --                             | 48     | 16d  | 20    | 10d         | 8255                   | 8860                            | 8860 | 4010                |      |
| 6 x 14 - 16           | THD614           | --                     | 12             | 5-1/2           | 12-7/8 | 3 | 3     | --                             | 58     | 16d  | 20    | 10d         | 8860                   | 8860                            | 8860 | 4010                |      |
| (4) 2 x 10 - 12       | THD210-4         | HHUS210-4              | 12             | 6-3/4           | 9      | 3 | 3     | --                             | 38     | 16d  | 20    | 10d         | 6535                   | 7255                            | 7745 | 4010                |      |
| 7 x 9-1/4 - 14        | THD7210          | HHUS7.25/10            | 12             | 7-1/4           | 9      | 3 | 3     | --                             | 38     | 16d  | 20    | 10d         | 6535                   | 7255                            | 7745 | 4010                |      |

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

2) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long, 16d nails are 0.162" dia. x 3-1/2" long.

### Specialty Options Chart

| Option          | Skewed <sup>1,3</sup>                                                                                                                                                   | Sloped Seat <sup>2</sup>                                                                                      | Sloped / Skewed <sup>1,2,3</sup>                      | Inverted Flange                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Range           | 1° to 45°                                                                                                                                                               | 1° to 45°                                                                                                     | See Sloped Seat and Skewed                            | Not available in widths < 3". Widths > 3" can have one flange inverted.                                 |
| Allowable Loads | 85% of table load                                                                                                                                                       | 65% of table load                                                                                             | 65% of table load                                     | 100% of table load. 65% of table load when nailing into the support members end grain.                  |
| Ordering        | Add <i>SK</i> , angle required, right ( <i>R</i> ) or left ( <i>L</i> ), and square cut ( <i>SQ</i> ) or bevel cut ( <i>BL</i> ) to product number. Ex. THD410_SK45R_SQ | Add <i>SL</i> , slope required, and up ( <i>U</i> ) or down ( <i>D</i> ), to product number. Ex. THD410_SL30D | See Sloped Seat and Skewed. Ex. THD410_SK45R_SQ_SL30D | Add <i>IF</i> , one flange, right ( <i>R</i> ) and left ( <i>L</i> ), to product number. Ex. THD410_IFR |

1) Skewed hangers with skews greater than 15° may have all joist nailing on outside flange.

2) Sloped or sloped / skewed hangers with slopes greater than 15° may have additional joist nails.

3) For skewed hangers, the required cut type (square or bevel) of joist member may vary based on skew angle and width of hanger. Some square cut hangers will require custom pricing due to welded back plate.