

MTHM/MTHM-2 Multiple Truss Hangers

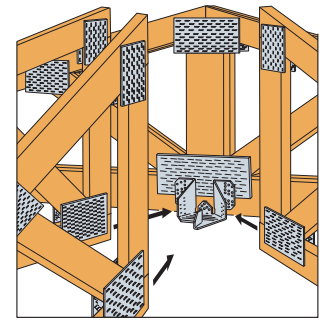
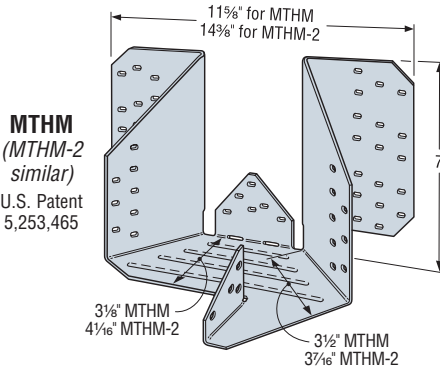
Medium to high load capacity hangers designed to carry 2 or 3 trusses. Accommodates right or left hand hips (at 45-degree skews) and can be used for terminal hips with or without the center common jack. The MTHM-2 accommodates 2-ply hips or jacks.

MATERIAL: 12 gauge **FINISH:** Galvanized
INSTALLATION: • Use all specified fasteners.

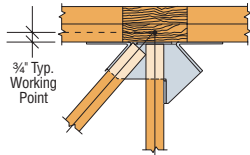
See General Notes.

- All multiple members must be fastened together to act as a single unit.
- Shall be attached to a double girder truss to allow for required minimum nail penetration. See footnote 8.

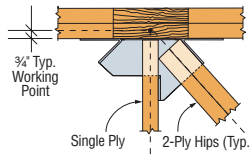
CODES: See page 12 for Code Reference Key Chart.



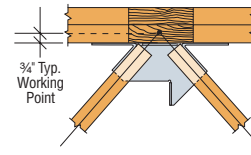
Typical MTHM Installation
(2 Hips and a Jack to Girder Truss)



MTHM Top View Left Hand Hip Installation



MTHM-2 Top View Right Hand Hip Installation

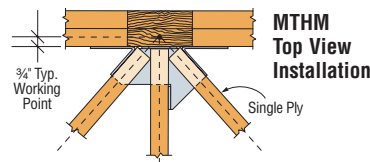


MTHM Top View Terminal Installation Without Center Common Jack

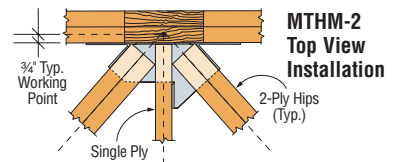
Right or Left Hand Hip Installation (Two Member Connection)

| Model No. | Header | Fasteners | | | DF/SP Allowable Loads ^{3,4} | | | | | | | | | | | | Code Ref. |
|-----------|-----------|-----------------|----------|----------|--------------------------------------|------|-------|-------------|------|-------|------------|------|-------|---------------------|------|-------|-----------|
| | | Carrying Member | Hip | Jack | Uplift (160) | | | Floor (100) | | | Snow (115) | | | Roof/Wind (125/160) | | | |
| | | | | | Hip | Jack | Total | Hip | Jack | Total | Hip | Jack | Total | Hip | Jack | Total | |
| MTHM | 2 ply 2x4 | 22-16d | 8-10dx1½ | 4-10dx1½ | 805 | 270 | 1075 | 2185 | 730 | 2915 | 2185 | 730 | 2915 | 2185 | 730 | 2915 | 170 |
| | 2 ply 2x6 | 34-16d | 8-10dx1½ | 4-10dx1½ | 805 | 270 | 1075 | 2630 | 875 | 3505 | 2630 | 875 | 3505 | 2630 | 875 | 3505 | |
| | 2 ply 2x8 | 42-16d | 8-10dx1½ | 4-10dx1½ | 805 | 270 | 1075 | 3250 | 1085 | 4335 | 3250 | 1085 | 4335 | 3250 | 1085 | 4335 | |
| MTHM-2 | 2 ply 2x6 | 39-16d | 8-10dx1½ | 4-10dx1½ | 835 | 280 | 1115 | 2800 | 935 | 3735 | 2800 | 935 | 3735 | 2800 | 935 | 3735 | 170 |
| | 2 ply 2x8 | 47-16d | 8-10dx1½ | 4-10dx1½ | 835 | 280 | 1115 | 3375 | 1125 | 4500 | 3375 | 1125 | 4500 | 3375 | 1125 | 4500 | |

| Model No. | Header | Fasteners | | | SPF/HF Allowable Loads ^{3,4} | | | | | | | | | | | | Code Ref. |
|-----------|-----------|-----------------|----------|----------|---------------------------------------|------|-------|-------------|------|-------|------------|------|-------|---------------------|------|-------|-----------|
| | | Carrying Member | Hip | Jack | Uplift (160) | | | Floor (100) | | | Snow (115) | | | Roof/Wind (125/160) | | | |
| | | | | | Hip | Jack | Total | Hip | Jack | Total | Hip | Jack | Total | Hip | Jack | Total | |
| MTHM | 2 ply 2x4 | 22-16d | 8-10dx1½ | 4-10dx1½ | 655 | 220 | 875 | 1880 | 625 | 2505 | 1880 | 625 | 2505 | 1880 | 625 | 2505 | 170 |
| | 2 ply 2x6 | 34-16d | 8-10dx1½ | 4-10dx1½ | 655 | 220 | 875 | 2260 | 755 | 3015 | 2260 | 755 | 3015 | 2260 | 755 | 3015 | |
| | 2 ply 2x8 | 42-16d | 8-10dx1½ | 4-10dx1½ | 655 | 220 | 875 | 2795 | 930 | 3725 | 2795 | 930 | 3725 | 2795 | 930 | 3725 | |
| MTHM-2 | 2 ply 2x6 | 39-16d | 8-10dx1½ | 4-10dx1½ | 680 | 225 | 905 | 2510 | 835 | 3345 | 2510 | 835 | 3345 | 2510 | 835 | 3345 | 170 |
| | 2 ply 2x8 | 47-16d | 8-10dx1½ | 4-10dx1½ | 680 | 225 | 905 | 2905 | 970 | 3875 | 2905 | 970 | 3875 | 2905 | 970 | 3875 | |



MTHM Top View Installation



MTHM-2 Top View Installation

Terminal Type Installation (Three Member Connection)

| Model No. | Header | Fasteners | | | DF/SP Allowable Loads ^{5,6} | | | | | | | | | | | | Code Ref. |
|-----------|-----------|-----------------|--------------|----------|--------------------------------------|------|-------|-------------|------|-------|------------|------|-------|---------------------|------|-------|-----------|
| | | Carrying Member | Hips (Total) | Jack | Uplift (160) | | | Floor (100) | | | Snow (115) | | | Roof/Wind (125/160) | | | |
| | | | | | Hip | Jack | Total | Hip | Jack | Total | Hip | Jack | Total | Hip | Jack | Total | |
| MTHM | 2 ply 2x4 | 22-16d | 16-10dx1½ | 4-10dx1½ | 715 | 360 | 1790 | 1215 | 605 | 3035 | 1395 | 700 | 3490 | 1520 | 760 | 3800 | 170 |
| | 2 ply 2x6 | 34-16d | 16-10dx1½ | 4-10dx1½ | 715 | 360 | 1790 | 1860 | 930 | 4650 | 1860 | 930 | 4650 | 1860 | 930 | 4650 | |
| | 2 ply 2x8 | 42-16d | 16-10dx1½ | 4-10dx1½ | 715 | 360 | 1790 | 2010 | 1005 | 5025 | 2010 | 1005 | 5025 | 2010 | 1005 | 5025 | |
| MTHM-2 | 2 ply 2x6 | 39-16d | 16-10dx1½ | 4-10dx1½ | 745 | 370 | 1860 | 1955 | 980 | 4890 | 1955 | 980 | 4890 | 1955 | 980 | 4890 | 170 |
| | 2 ply 2x8 | 47-16d | 16-10dx1½ | 4-10dx1½ | 745 | 370 | 1860 | 2470 | 1235 | 6175 | 2470 | 1235 | 6175 | 2470 | 1235 | 6175 | |

| Model No. | Header | Fasteners | | | SPF/HF Allowable Loads ^{5,6} | | | | | | | | | | | | Code Ref. |
|-----------|-----------|-----------------|--------------|----------|---------------------------------------|------|-------|-------------|------|-------|------------|------|-------|---------------------|------|-------|-----------|
| | | Carrying Member | Hips (Total) | Jack | Uplift (160) | | | Floor (100) | | | Snow (115) | | | Roof/Wind (125/160) | | | |
| | | | | | Hip | Jack | Total | Hip | Jack | Total | Hip | Jack | Total | Hip | Jack | Total | |
| MTHM | 2 ply 2x4 | 22-16d | 16-10dx1½ | 4-10dx1½ | 580 | 290 | 1450 | 1055 | 530 | 2640 | 1215 | 605 | 3035 | 1320 | 660 | 3300 | 170 |
| | 2 ply 2x6 | 34-16d | 16-10dx1½ | 4-10dx1½ | 580 | 290 | 1450 | 1600 | 800 | 4000 | 1600 | 800 | 4000 | 1600 | 800 | 4000 | |
| | 2 ply 2x8 | 42-16d | 16-10dx1½ | 4-10dx1½ | 580 | 290 | 1450 | 1730 | 865 | 4325 | 1730 | 865 | 4325 | 1730 | 865 | 4325 | |
| MTHM-2 | 2 ply 2x6 | 39-16d | 16-10dx1½ | 4-10dx1½ | 600 | 300 | 1500 | 1680 | 840 | 4200 | 1680 | 840 | 4200 | 1680 | 840 | 4200 | 170 |
| | 2 ply 2x8 | 47-16d | 16-10dx1½ | 4-10dx1½ | 600 | 300 | 1500 | 2125 | 1060 | 5310 | 2125 | 1060 | 5310 | 2125 | 1060 | 5310 | |

1. Allowable loads have been increased 60% for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. Roof (125/160) is a download rating.
3. Tabulated hip and jack allowable loads assume that 75% of the total load is distributed to the hip and 25% to the jack. It is permitted to distribute 65% to 85% of the tabulated total load to the hip, and the remaining percentage of total load to the jack. The combined hip and jack load may not exceed the published Total Load.
4. For terminal hips divide the total allowable load by 2 to determine the allowable load for each hip.

5. Hip loads are for each hip.
6. Load distribution is 40% of total load for each hip and 25% for the jack. Other hip/jack load distributions are allowed if the sum of all three carried members does not exceed the total load and the hip members are equally loaded.
7. Truss chord cross-grain tension may limit allowable loads. Refer to technical bulletins T-ANSITPISP, T-ANSITPIDP and T-ANSITPIDF for allowable loads that consider ANSI/TPI 1-2007 wood member design criteria (see page 191 for details).
8. With single 2x carrying members, use 10dx1½" nails with 0.67 of the table values.
9. **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.