

MTHM/MTHM-2 Multiple Truss Hangers

The MTHM hangers are 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.

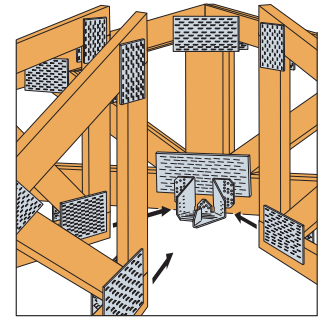
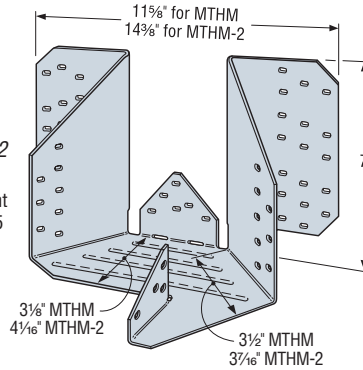
MATERIAL: 12 gauge **FINISH:** Galvanized

INSTALLATION: • Use all specified fasteners.

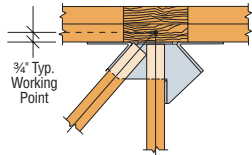
See General Notes.

- All multiple members must be fastened together to act as a single unit.
- With single 2x carrying members, use 10dx1½" nails with 0.64 of the table values.
- For terminal installation, distribute 40% of total load to each hip member and 20% to the jack.
- For left or right hand hip installation, distribute 75% of total load to the hip member and 25% to the jack.

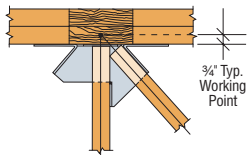
MTHM
(MTHM-2 similar)
U.S. Patent 5,253,465



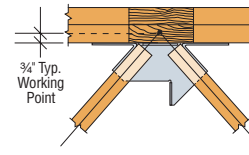
Typical MTHM Installation
(2 Hips and a Jack to Girder Truss)



MTHM Top View Left Hand Hip Installation



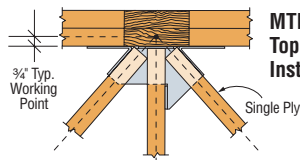
MTHM-2 Top View Right Hand Hip Installation



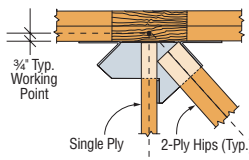
MTHM Top View Terminal Installation Without Center Common Jack

Right or Left Hand Hip Installation (Two Member Connection)

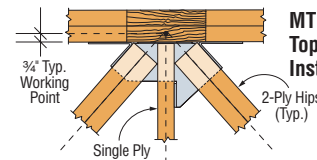
Model No.	Header	Fasteners			Factored Resistance											
		Carrying Member	Hip	Jack	D.Fir-L						S-P-F					
					Uplift (K _D =1.15)			Down (K _D =1.00)			Uplift (K _D =1.15)			Down (K _D =1.00)		
					Hip	Jack	Total	Hip	Jack	Total	Hip	Jack	Total	Hip	Jack	Total
lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN		
MTHM	2 ply 2x4	22-16d	8-10dx1½	4-10dx1½	1350	450	1800	3330	1110	4440	950	315	1265	2345	780	3125
					6.01	2.00	8.02	14.83	4.94	19.78	4.23	1.40	5.63	10.45	3.47	13.92
	2 ply 2x6	34-16d	8-10dx1½	4-10dx1½	1350	450	1800	4395	1465	5860	950	315	1265	3095	1030	4125
					6.01	2.00	8.02	19.58	6.53	26.10	4.23	1.40	5.63	13.79	4.59	18.37
	2 ply 2x8	42-16d	8-10dx1½	4-10dx1½	1350	450	1800	5110	1700	6810	950	315	1265	3595	1200	4795
					6.01	2.00	8.02	22.76	7.57	30.33	4.23	1.40	5.63	16.01	5.35	21.36
MTHM-2	2 ply 2x6	39-16d	8-10dx1½	4-10dx1½	1345	450	1795	4065	1355	5420	945	315	1260	2865	955	3820
					5.99	2.00	8.00	18.11	6.04	24.14	4.21	1.40	5.61	12.76	4.25	17.02
	2 ply 2x8	47-16d	8-10dx1½	4-10dx1½	1345	450	1795	4900	1635	6535	945	315	1260	3450	1150	4600
					5.99	2.00	8.00	21.83	7.28	29.11	4.21	1.40	5.61	15.37	5.12	20.49



MTHM Top View Installation



MTHM-2 Top View Right Hand Hip Installation



MTHM-2 Top View Installation

Terminal Type Installation (Three Member Connection)

Model No.	Header	Fasteners			Factored Resistance											
		Carrying Member	Hip	Jack	D.Fir-L						S-P-F					
					Uplift (K _D =1.15)			Down (K _D =1.00)			Uplift (K _D =1.15)			Down (K _D =1.00)		
					Hip	Jack	Total	Hip	Jack	Total	Hip	Jack	Total	Hip	Jack	Total
lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN	kN		
MTHM	2 ply 2x4	22-16d	16-10dx1½	4-10dx1½	1350	675	3375	2525	1265	6315	950	475	2375	1775	890	4440
					6.01	3.01	15.03	11.25	5.63	28.13	4.23	2.12	10.58	7.91	3.96	19.78
	2 ply 2x6	34-16d	16-10dx1½	4-10dx1½	1350	675	3375	2985	1495	7465	950	475	2375	2100	1050	5250
					6.01	3.01	15.03	13.30	6.66	33.25	4.23	2.12	10.58	9.35	4.68	23.39
	2 ply 2x8	42-16d	16-10dx1½	4-10dx1½	1350	675	3375	3295	1645	8235	950	475	2375	2320	1160	5800
					6.01	3.01	15.03	14.68	7.33	36.68	4.23	2.12	10.58	10.33	5.17	25.84
MTHM-2	2 ply 2x6	39-16d	16-10dx1½	4-10dx1½	1345	675	3365	3270	1635	8175	945	475	2365	2300	1150	5750
					5.99	3.01	14.99	14.57	7.28	36.41	4.21	2.12	10.53	10.24	5.12	25.61
	2 ply 2x8	47-16d	16-10dx1½	4-10dx1½	1345	675	3365	3940	1970	9850	945	475	2365	2775	1385	6935
					5.99	3.01	14.99	17.55	8.78	43.88	4.21	2.12	10.53	12.36	6.17	30.89

1. Uplift loads include 15% increase with no further increase allowed; reduce where other loads govern.
 2. Hip resistances are for each hip.
 3. Other hip/jack load distributions are allowed if the sum of all three carried members does not exceed the total resistance and the hip members are equally loaded.
 4. Combine hip and jack resistances for total capacity. For terminal hips divide the total factored resistance by 2 to determine the factored resistance for each hip.
 5. **NAILS:** 16d = 0.162" dia. x 3 1/2" long, 10dx1½ = 0.148" dia. x 1 1/2" long. See page 16-17 for other nail sizes and information.