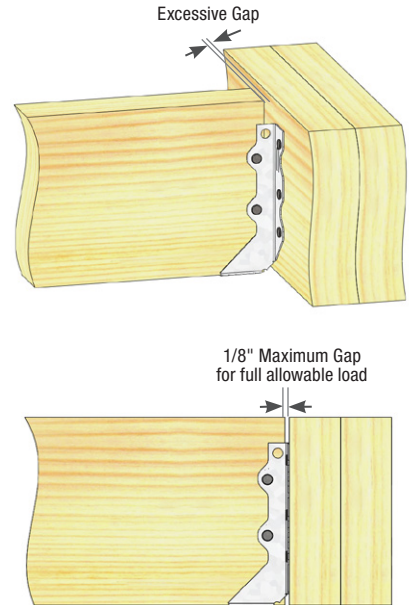


For proper installation and to achieve the published load, MiTek recommends a maximum 1/8" gap between supporting and supported members when using our face mount hanger products.

If this 1/8" gap tolerance is exceeded, the connection requires further evaluation. MiTek conducted extensive testing with our face mount hangers to determine reduction factors for gaps from 3/16" thru 3/8". The tables below indicate what allowable load multiplier should be applied to the published hanger capacity to achieve the necessary reduced load capacity.

If the gap between the supported member and supporting member exceeds 3/8", repairs such as extending the joist or adding shims to the supporting member may be required.



Product Series ¹	DOWNLOAD Allowable Load Multiplier					UPLIFT Allowable Load Multiplier				
	Gap Between Carried Member and Carrying Member					Gap between Carried Member and Carrying Member				
	≤1/8"	3/16"	1/4"	5/16"	3/8"	≤1/8"	3/16"	1/4"	5/16"	3/8"
JL	1.00	1.00	1.00	0.90	0.80	1.00	0.90	0.80	0.70	0.60
JUS 2x	1.00	0.95	0.90	0.80	0.65	1.00	0.80	0.60	0.50	0.45
JUS W > 1-1/2"	1.00	0.95	0.90	0.80	0.70	1.00	0.80	0.60	0.50	0.45
SUH	1.00	0.95	0.90	0.85	0.80	1.00	0.95	0.90	0.85	0.80
HD 2x	1.00	1.00	1.00	0.90	0.90	1.00	0.90	0.80	0.75	0.70
HD W > 1-1/2"	1.00	1.00	1.00	0.90	0.90	1.00	0.95	0.90	0.85	0.85
HUS 2x	1.00	0.90	0.80	0.70	0.60	1.00	0.80	0.60	0.50	0.45
HUS W > 1-3/4"	1.00	0.95	0.90	0.85	0.80	1.00	0.80	0.60	0.50	0.45
THD 2x	1.00	0.95	0.90	0.85	0.80	1.00	0.95	0.90	0.85	0.85
THD W > 1-1/2"	1.00	0.95	0.95	0.90	0.90	1.00	0.95	0.90	0.85	0.85
THDH	1.00	1.00	1.00	0.90	0.85	1.00	0.80	0.60	0.50	0.45

1) The connector is assumed to be installed with the 1/8" gap exceeded, but otherwise in accordance with applicable codes and current product literature.

Example Calculation:

A roof truss with a double 2x6 bottom chord supported by a THD26-2 hanger has a gap between the end of the truss and the supporting member of 5/16".

Gravity Loads:

Published capacity of THD26-2:
 = 3,125 lbs. @ 115%
 = 3,355 lbs. @ 125%
 (from the 2023 Product Catalog)

Allowable Load Multiplier: 0.80
 (from Table 1- Gravity Loads)

Reduced THD26-2 capacity:
 3,125 lbs. x 0.90 = 2,812 lbs. @ 115%
 3,355 lbs. x 0.90 = 2,019 lbs. @ 125%

Uplift Loads:

Published uplift capacity of THD26-2:
 = 2,340 lbs. @ 160%
 (from the 2015-2016 Product Catalog)

Allowable Load Multiplier: 0.85
 (from Table 2- Uplift Loads)

Reduced THD26-2 capacity:
 2,340 lbs. x 0.85 = 1,989 lbs. @ 160%

Customer Service & Technical Assistance

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