BUILDING PRODUCT

Slope Skew Hangers

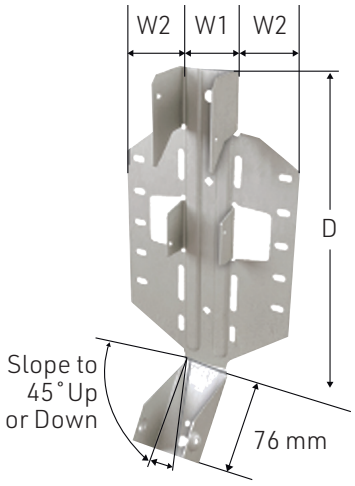
CONNECTS RAFTERS TO RIDGE BEAMS IN VAULTED ROOF

Field adjustable to meet a variety of skews and/or slope applications

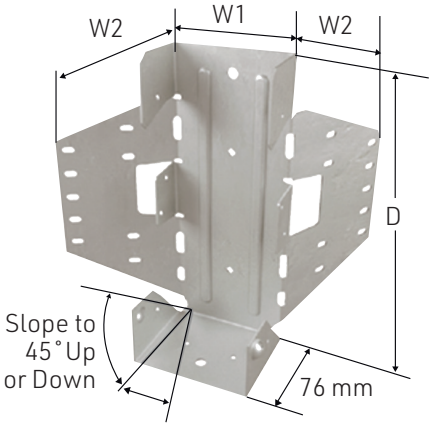
For durability information, please refer to **Corrosion Resistance of MiTek Metal Connectors,** available on the MiTek website at **mitek.com.au**

Slopes and skews 0 to 45 degrees down.

LSSH179-10



LSSH25-10



SPECIFICATIONS

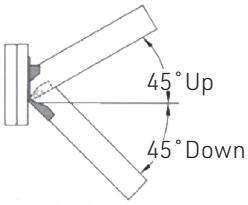
Product Code	Finish	Steel Thickness (mm)	Max. Supported Beam Thickness, W1	Flange Width, W2 (mm)	Deep, D (mm)
LSSH179-10	Galvanised Coating Z275	1.2	46	41	225
LSSH25-10		1.5	65	69	225

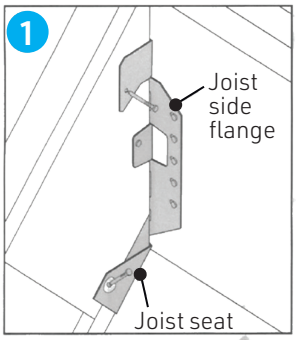
Available from leading builders supply merchants throughout Australia

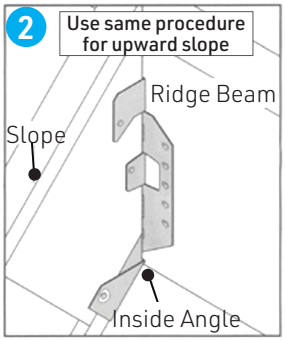
INSTALLATION

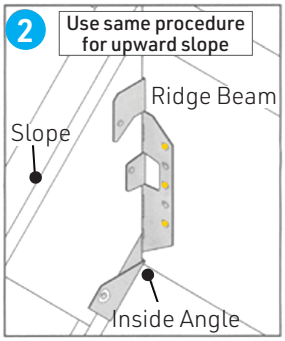
Installation Instructions Sloped Fixied Hangers

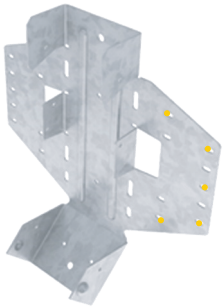
→ Position LSSH hanger against plumb cut end of joist as shown. Fix joist side flanges on both sides with MiTek Yellow 40mm x 3.75mmm diameter nails. Bend seat up to fit against joist bottom and drive (1) MiTek Yellow 40mm x 3.75mmm diameter nail through bottom seat of joist bottom. Drive (2) MiTek Yellow 40mm x 3.75mmm diameter nails at downward angle through dimple nailing guides.











→ Lean hanger and rafter end against ridge beam at desired position. Install MiTek Yellow MSA1430 screws through nail holes into ridge beam at right 90 degree angle.

→ For LSSH179-10 fix 3 screws to each flange as shown.

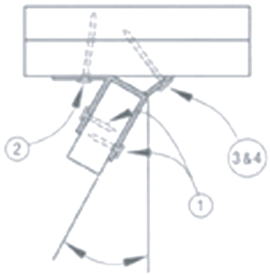
→ For LSSH25-10 fix 5 screws to each flange as shown.

Installation Instructions Skewed Fixed Hangers

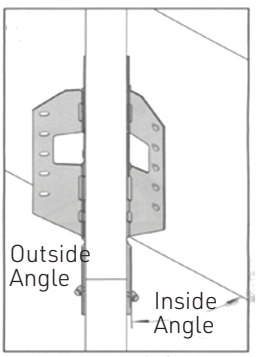
→ If skewing the rafter, follow steps 1 and 2 but only drive screws into ridge beam on inside flange. Bend flange to desired angle.

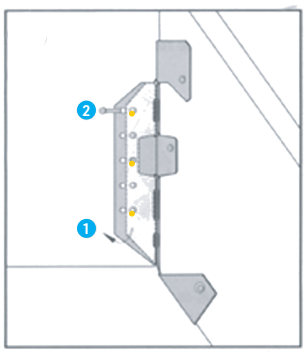
1. Hammer outside flange until edge touches the header.

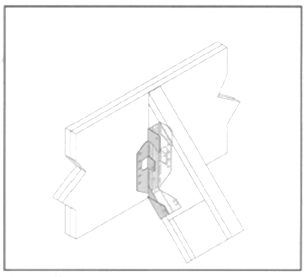
2. Fixing outside flange to ridge by driving (3) MiTek Yellow MSA1430 screws through holes as shown.



Skew to 45 degrees maximum







→ Web stiffeners are required for all I-Beam installations.

→ Designer may consider adding a tension restraint for the supported member for roof slopes exceeding 26 degrees.

FIXING TYPE AND SCHEDULE

Table 1

Design Capacity							
Product Code	Fixing Schedule				Limit State Design Capacity (kN)		
	Supporting Member		Supported Member		Load Case	Joint Group	
	Qty	Fixing Type	Qty	Fixing Type		JD4	JD5
Slope Fixed Hangers							
LSSH179-10	6	MiTek Yellow MSA1430 Screws	7	MiTek Yellow 40 x 3.75 Dia. Nails	DL (k_1 = 0.57) DL + Floor LL (k_1 = 0.69) DL + Roof LL (k_1 = 0.77) DL + WL (k_1 = 1.14)	5.9 7.2 8.0 4.3	4.2 5.1 5.7 3.5
LSSH25-10	10	MiTek Yellow MSA1430 Screws	12	MiTek Yellow 40 x 3.75 Dia. Nails	DL (k_1 = 0.57) DL + Floor LL (k_1 = 0.69) DL + Roof LL (k_1 = 0.77) DL + WL (k_1 = 1.14)	9.8 11.9 13.2 6.5	7.0 8.4 9.4 5.3
Slope and Skew Fixed Hangers							
LSSH179-10	6	MiTek Yellow MSA1430 Screws	7	MiTek Yellow 40 x 3.75 Dia. Nails	DL (k_1= 0.57) DL + Floor LL (k_1 = 0.69) DL + Roof LL (k_1 = 0.77) DL + WL (k_1 = 1.14)	5.9 7.2 8.0 4.3	4.2 5.1 5.7 3.5
LSSH25-10	8	MiTek Yellow MSA1430 Screws	12	MiTek Yellow 40 x 3.75 Dia. Nails	DL (k_1 = 0.57) DL + Floor LL (k_1 = 0.69) DL + Roof LL (k_1 = 0.77) DL + WL (k_1 = 1.14)	7.8 9.5 10.6 6.5	5.6 6.7 7.5 5.3

Notes

1. Capacities listed in Table 1 incorporate a category 1 capacity factor for houses. For other categories, multiply the design capacities by the factors listed below. refer to AS 1720.1 for a full definition of each category.
2. Where joint members are different, the dead and live load capacities will be based on the joint group of the supporting member. For DL + WL, the capacity will be based on the joint group of the supported member.

Category	1	2	3
Adjustment factor	1.00	0.94	0.88

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