

Roof hook kit for system roofs composed of insulating roof elements

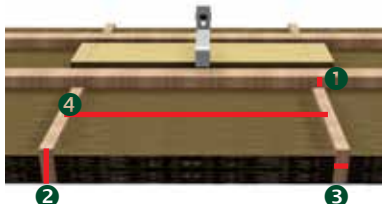


Certain types of roof system, roof systems, found primarily in the Benelux countries, do not use the type of wooden rafters and purlins commonly found elsewhere in roof construction. Self-supporting, insulating roofing elements are laid vertically instead to create a roofing framework. These elements mainly comprise thick-walled insulation held in place at the edges by wooden rafters. The conventional type of roof hook cannot be used with these roof systems as they cannot be fastened to the narrow rafters supporting the roof overhang. Kit systems comprising roof hooks hung from a tile or batten provide no alternative in such cases as these roof systems are not able to withstand load on the tiles. The new Rapid 2L roof hook system solves this problem in that it diverts the forces into the vertical wooden rafters via a specifically designed mounting kit.

Roof hooks Rapid 2L for fastening solar mounting systems to pitched roofs.

Roof hook material: Stainless steel 1.4301

Item no kit: 101008-001



- ① Height roofing batten = 24 mm
- ② Height roof element rafter = 60 mm
- ③ Width roof element rafter = 24 mm
- ④ Distance between element rafters ≤ 660 mm



Please note that the structural analysis for the deployment of these kits applies only for a rafter width of min 25 mm with a maximum distance between boards of 660 mm.

The fastening of hooks to narrower rafters is at the customer's own risk and does not comply with the pertinent timber construction standards. A generic approval cannot be granted for the narrower rafters occasionally found on the market. Tests with the common roof elements have proven mainly positive, even with rafters which are narrower than the standard minimum, however, the customer must decide for himself whether or not he wishes to accept liability for the deployment of narrower rafters based on these results.

Roof hooks Rapid 2L: 101008-000

Roof hooks Rapid 2L Kit: 101008-001

The kit comprises:

- 1x Roof Hook Rapid 2L
- 1x Solid wood board 700x140x22
- 2x Locking flange nuts M8 DIN6923 A4
- 8x wooden drilling screws 4x80 countersunk TX A2
- 2x carriage bolts M8x40 DIN603 A2

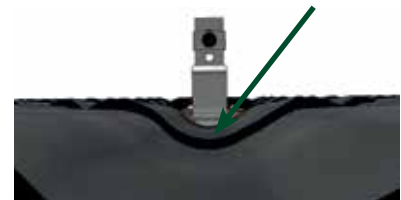
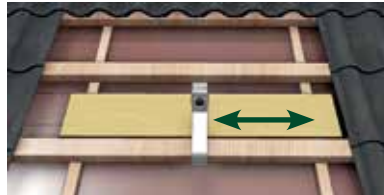
Optional accessories

973000-017	Underlay plate 2mm
973000-018	Underlay plate 5mm

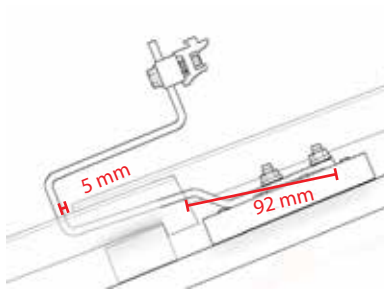
Assembly steps:

Remove the roof covering from the designated hook location.

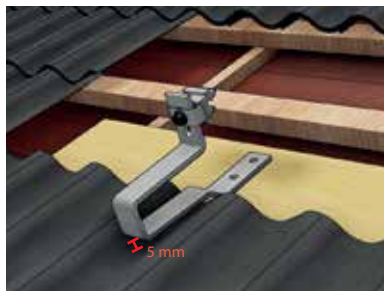
- 1 Determine the lateral position of the roof hook. The hook must lie in the recess of the tile.



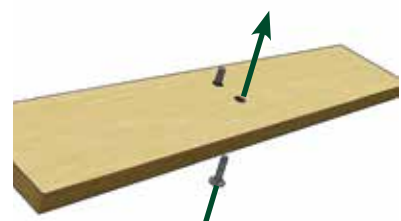
- 2 Lateral and vertical view: Please take into account the seam width and height of the roof tile when positioning the roof hook onto the wooden board. The tile may need to be removed.



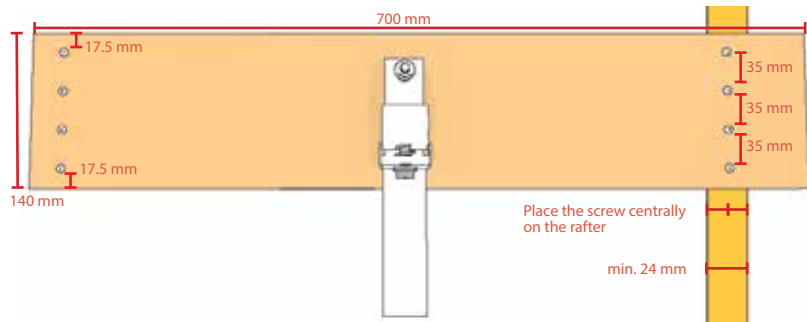
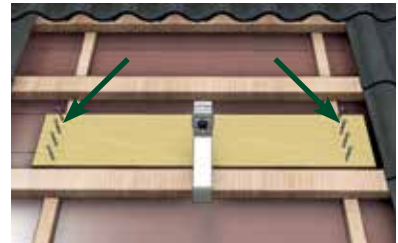
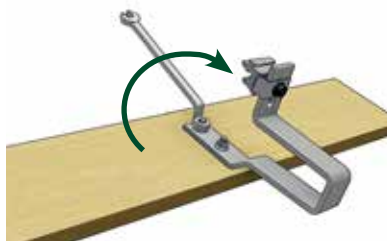
- 3 The upper edge to the roof tile. The arm of the roof hook must present a clearance of at least 5mm to avoid it resting upon the roof tiles. Underlayment spacers can be used to achieve the universal height required, depending on the thickness of roof rafters.



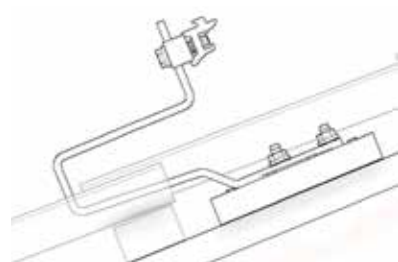
- 4 Solid wooden board, pre-drilled with a 9mm wooden holde. Now place two carriage bolts M8x40 into the drilled holes from below.



- 5 Feed carriage bolts into the drilled holes of the hooks and tighten each one using a 13mm wrench. Place the assembled roof hooks on the laid out rafters and fasten using four TX-wooden drilling screws 4 x 80 on each side.



- 6 Replace the roof covering. You may need to remove the upper tile from beneath the roof hook arm.



Further information at: www.schletter-group.com