

# 1 ROOF DUCTS

Roof duct

## TGK450-1200

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Square roof cowl for DTH and DTV roof fan, mounted on top of the roof cowl



#### PRODUCT BENEFITS

- Supplied with perform or zinc flashing
- Available in sizes corresponding to DTH and DTV – in 3 different lengths
- Insulated against sound and condensation

#### Principles of operation

TGK is supplied as standard in 3 lengths and 6 sizes with PERFORM flashing appropriate to the roof pitch. TGK can also be supplied with zinc flashing or without flashing. Must be stated on order.

PERFORM comes as standard in black, but grey and red can be ordered at no extra cost.

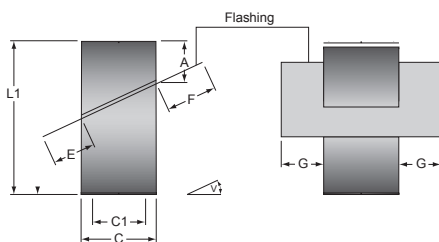
#### Product description

Roof cowl TGK (square) has been specially developed for DTH and DTV roof fans. Together the roof fan and roof cowl form an elegant architectural whole. The roof fan is mounted directly on top of the roof cowl. The base can be mounted with a diffusor or the cowl can be extended with a duct or T-pipe.

Externally, TGK is constructed from galvanised sheet, and underneath a 50-mm mineral wool, fine-mesh fabric and an internal galvanised perforated sheet.

#### Dimensional data

C (mm)	607
C1	500
L1 (mm)	1200

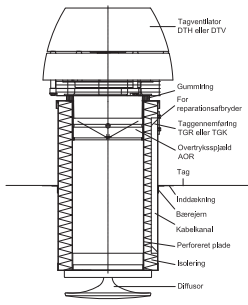


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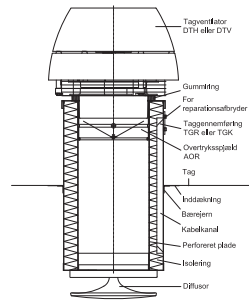
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## Installation



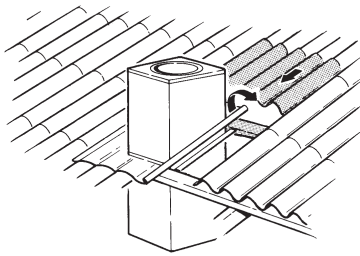
The roof cowl is insulated for sound and condensation. To avoid transfer of vibrations to the roof cowl, a rubber ring is mounted on the fan.



The roof cowl has been designed to take an electric cable via the integral cable duct. The installation cable is inserted in the cable duct at the bottom and drawn up by the safety switch, which is not normally an EXHAUSTO delivery. The safety switch is mounted directly on the roof cowl.



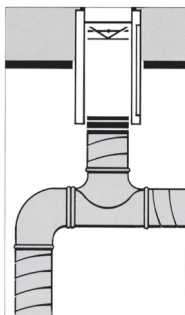
The roof duct is supplied with an AOR anti-backdraught shutter as an accessory. When cleaning the roof cowl and/or connector duct, the anti-backdraught shutter is easily detachable without use of tools. The anti-backdraught shutter AOR opens when the fan is in operation.



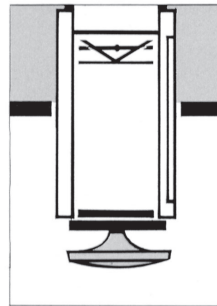
Make a hole in the roof about 30 mm larger than the cowl, and loosen overlying tiles/panels, sliding them upwards to permit insertion of flashing.

Carefully position the vent on the roof with the flashing level with the roof tiles. Fix the brackets to the vent, lifting it by about 5 mm when the brackets are subsequently fixed to the rafters. This will ensure that the whole weight rests on the brackets.

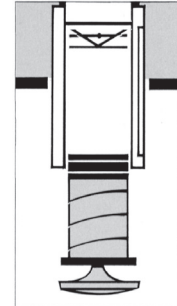
Roll out the flashing and knock it carefully into shape (with PERFORM, a rubber hammer or sandbag must be used). Replace overlying tiles/panels over the flashing.



If ventilation is required from several locations, a spiral tube can be mounted to the base of the roof cowl with duct fittings or T-pieces, sound locks etc. connected to a complete ducting system to the desired locations.



An EXHAUSTO roof fan, roof vent and diffusor at the base of the roof cowl will provide an optimum air handling solution for the minimum of space, for example on flat or sloping roofs with a short distance to the extraction point.



If there is a long distance between the roof cowl and the extractor fitting, an extension can be formed with spiral tube or similar, with a duct fitting directly attached to the base of the roof vent.