MADE IN GERMANY
SEIT 1888

CONTEMPORARY.
CONCISE.
RELIABLE. ✓

THE FLAT ROOF WATER COLLECTION BOX BY GRÖMO.

GRÖMO

SENDS RAIN DOWN THE DRAIN

AESTHETIC PLEASURE WITH THE PROVEN GRÖMO QUALITY.

The flat roof water collection box shows what it can do: The innovative form, reduced in its depth, consciously differentiates itself from previous models. The inspection cover and the large overflow ensures the safe drainage of the roof*.
Special highlights are the pre-cut inlet opening (DN 70/DN 100) and the pre-assembled seal. This ensures a backflow-secure connection of the attic penetration. Where previously laborious cutting and fitting was needed, the pipe can now be easily inserted into the prepared inlet opening and the box mounted directly on the wall. The flat roof water collection box is available in the material qualities of zinc, copper and stainless steel as well as without an inlet opening.

*The overflow serves as emergency spillway with clogged downspouts and is not to be equated with the emergency spillway for flat roofs. This must be separately planned, calculated and executed according to flat roof specifications.

Whether with or without an inlet opening – the flat roof water collection box is available in three versions:

1. + 2. With inlet opening:
Suitable for pipes DN 100 (outer diameter 100 mm) or DN 70 (outer diameter 75 mm). The TPE seal against backflow is already pre-mounted.

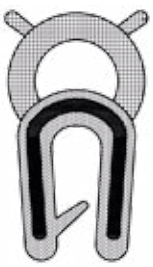
3. Without inlet opening:
Closed location, form and size can be freely selected.

SIMPLE INSTALLATION, FLEXIBLE USE: THE FUNCTIONAL TPE SEAL.

While common waterproofing capabilities of attic penetrations require high installation costs, the new Grömo TPE seal can be quickly and easily mounted thanks to the precisely defined clamping range (see back cover). Its reliable sealing function also prevents damage to the building structure from water backflow should the downspout become blocked.

The Grömo TPE gasket also scores with its flexible material properties. Thus, the gasket profile can be individually cut according to the requirements and used in material thickness of 0.5–2.0 mm. The mounting is carried out on site.

Possible areas of application:
· Connections for attic pipes or pipe penetrations
· Gutter connections to the water collection boxes
· Edge protection for metal cassettes and sheets



Cross section of the TPE seal

CALCULATION OF PIPE CUT-OUT:

Total diameter Ø = External pipe diameter + 8 mm allowance (for TPE seal)
Example: Ø = 100 mm + 8 mm = 108 mm

Scope pipe cut-out = Total diameter Ø x π
Example: = 108 mm x π = 339,29 mm ≈ 339 mm

Example table:

Tube type	Outer diameter pipe	Addition TPE gasket	Ø Pipe cut-out	≈ Scope pipe cut-out
Downspout* DN 100	100 mm	8 mm	108 mm	339 mm
Downspout* DN 80	80 mm	8 mm	88 mm	267 mm
Plastic pipe DN 100	110 mm	8 mm	118 mm	371 mm
Plastic pipe DN 70	75 mm	8 mm	83 mm	261 mm

*according to DIN EN 612

INSTALLATION INSTRUCTIONS FLAT ROOF WATER COLLECTION BOXES

Dimensions base body (without support)
Height 390 mm, depth: 150 mm, width 242 mm.

1 Determine the position of the pipe penetration and mark the cut line with the compass.

2 Drill a hole in the center.

3 Use the plate shears to cut free an auxiliary cut-out.

4 Exactly cut out the penetration on the traced circle cut line.

5 Deburr cutting edge.

6 Cut the edge protection profile to the desired length using a knife or scissors.

7 Push onto the cusp (12:00 h) and continuously push on until the beginning and the end of the gasket press together. The tolerance range of the hollow chamber profile is +/-1.0 mm.

GRÖMO

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