

Technical Data Sheet

FLECK Flat roof horizontal outlet (spout)

DN 50 to DN 150



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Illustrative images showing the version with a rigid PVC flange (left) and PP flange (right).

Product Description

The FLECK Flat roof horizontal outlet (spout) is designed for controlled surface drainage of flat roofs. Its angled design is specifically intended for installation through upstand elements (parapets) on industrial, commercial and residential flat roofs.

The drain body is made of highly weather-resistant rigid PVC and is ideally suited for permanent use on flat roofs. The drainage capacities of all models exceed the requirements of the applicable standard (in accordance with EN 1253-2). The flow-optimised design, featuring a factory-set inclination of approximately 3°, supports reliable water drainage even during heavy rainfall events.

The roof waterproofing is connected via the integrated PVC connection flange. For direct connection to FPO/TPO roofing membranes (PP-based), the drain can be supplied with a polypropylene flange.

Versions with factory-applied flange collars made of bituminous membrane, plastic or elastomeric roofing membranes are also available. This enables secure and professional integration into the roof waterproofing system.

Applications

- gravity drainage of industrial, commercial and residential flat roofs through upstand elements (parapets).

Material Specifications

- main components made of weather-resistant, durable special-grade rigid PVC.
- rigid flange optionally made of polypropylene (PP).

Fire Classification

- class B2 in accordance with DIN 4102-4

Technical Advices

- standard connection pipe length: 550 mm.

Additional Information



Pipe selection guide
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Optional Features / Accessories

- FLECK Universal parapet gravel trap (PA), DN 70–DN 125
- FLECK Flat roof gravel trap for horizontal drain (metal), DN 50 and DN 150.
- custom pipe lengths available on request.

Sketches / Tables

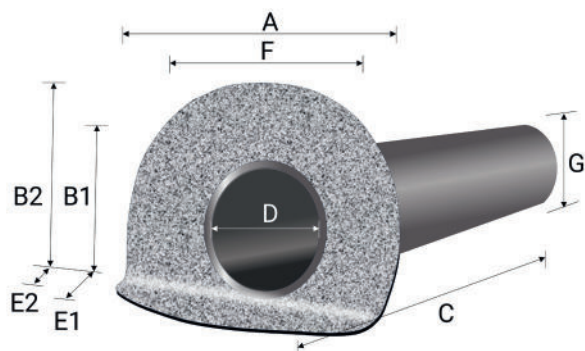


Fig. 1: Flange with bituminous membrane
(DN 50 / DN 125 / DN 150)

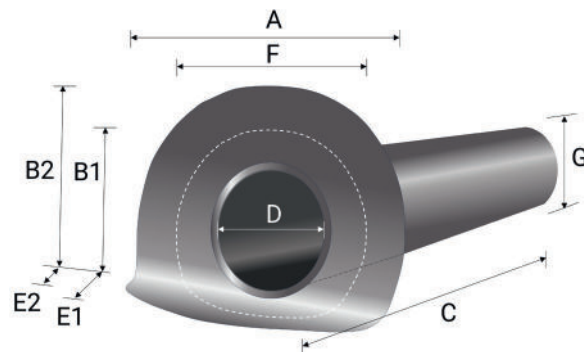


Fig. 2: Flange, e.g. with PVC roofing membrane

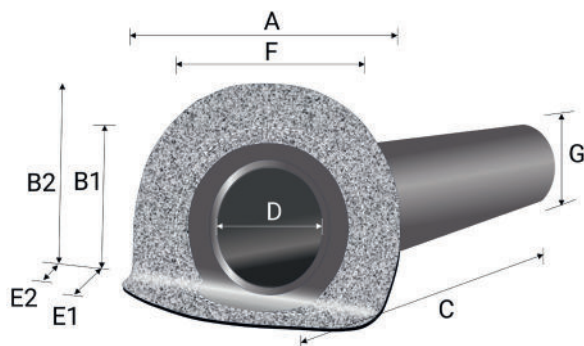


Fig. 3: Flange with pressed collar
(only DN 70 / 100 for bituminous membrane and EPDM)

Material	Nominal diameter	Flange/collar		Measurements [mm]								
		Form	Joining technology for the collar	A	B1	B2	C	D	E1	E2	F	G
PVC-Flange	DN 50	round	-	-	140	-	550	50	-	90	230	70
	DN 70		-	-	215	-		75	-	140	350	95
	DN 100		-	-	230	-		110	-	120	350	130
	DN 125		-	-	240	-		125	-	115	350	145
	DN 150		-	-	255	-		150	-	95	350	180
PP-Flange	DN 70		-	-	140	-		50	-	90	230	70
	DN 100		-	-	215	-		75	-	140	350	95
	DN 125		-	-	230	-		110	-	120	350	130
Bituminous Membrane	DN 50		welded	470	140	260		50	210	90	230	70
	DN 70		pressed		155	285		70	185	95	225	95
	DN 100		pressed		200	320		105	150	95	295	130
	DN 125		welded		240	300		125	175	115	350	145
	DN 150		welded		255	310		150	160	95	350	180
Plastic Membrane	DN 50		glued	470	140	260		50	210	90	230	70
	DN 70		glued		215	275		75	200	140	350	95
	DN 100		glued		230	290		110	180	120	350	130
	DN 125		glued		240	300		125	175	115	350	145
	DN 150		glued		255	310		150	160	95	350	180
EPDM-Membrane	DN 70		pressed	470 *	170	255		75	180	80	250	95
	DN 100		pressed		180	270		105	160	70	250	130

* in case of
Elevate:
430 mm

A = Outer dimension flange collar
B1 = Distance to the upper edge of the flange collar
B2 = Distance to the upper flange edge
C = Length of the connection pipe

D = Inner dimension
E1 = Distance from the bend to the front edge of the flange collar
E2 = Distance from bend to front rigid flange edge
F = Rigid flange width
G = Core drill diameter