ANRIN
LEADING WATER

Technical data sheet

Slotted top channels
Z-100

Technical data sheet
ANRIN DRAIN slotted top channels
Z-100 and Z-100 stainless steel

Channel drainage for the load classes A 15 to D 400

According to DIN 19580 / EN 1433 “Drainage channels for vehicular and pedestrian areas”, these surfaces are assigned to specific load classes depending on the use.
Then the respective appropriate ANRIN slotted top system can be selected.

Product specifications

Product specifications	SELF-100 slot	SELF-100 slot sump unit
Material	Resin concrete	Resin concrete
Length	50 cm and 100 cm	50 cm
Width	12 cm	12 cm
Height	10 cm	49 cm
Weight	4.5/8.0 kg	19.4 kg
Nominal width	100 mm	100 mm
Joint type	UNILINK® joint	UNILINK® joint
Load capacity	Drivable	Drivable
Slotted top	Steel	Steel

Material properties

Channel / component body	
Polymer concrete	polyester resin-based with mineral aggregates, additives
Compressive strength	≥ 90 N/mm²
Bending tensile strength	≥ 22 N/mm²
Modulus of elasticity	ca. 25 kN/mm²
Density	2.1 – 2.3 g/dm³
Heat resistance	100° C (permanent loading)
Frost resistance	- 50° C
Water penetration depth	0 mm
Water absorption	0,05 %
Slotted top	
Slotted top	Steel

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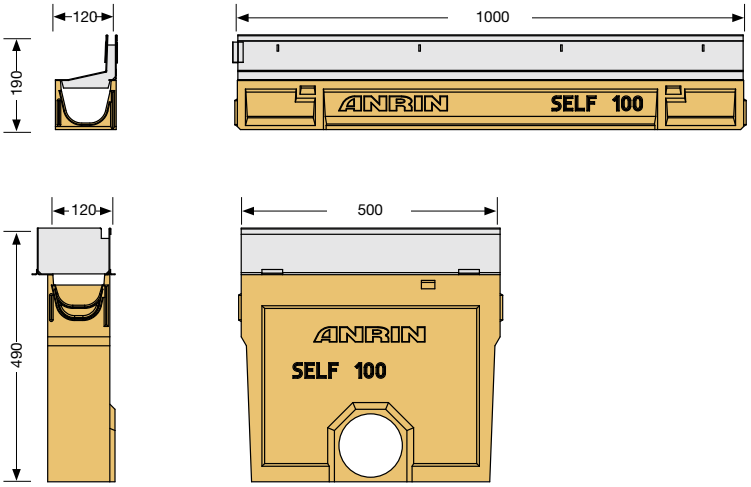
Channel dimensions



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Channel types and accessories

Article no.	EAN	Designation	Length cm	Width wcm	Height cm	Weight kg
07494000	4028657022523	Channel 1.0 m including slotted top***	100	12.0	19.0	11.3
07494050	4026857026679	Channel 0.5 m including slotted top***	50	12.0	19.0	5.7
07494100	4026857024910	Channel 1.0 m including slotted top with maintenance opening left***	100	12.0	19.0	11.3
07494200	4026857024927	Channel 1.0 m including slotted top with maintenance opening right***	100	12.0	19.0	11.3
07495000	4028657022530	Channel 0.5 m including access top **	50	12.0	19.0	8.3
07496000	4028657022547	Sump unit including access top	50	12.0	49.0	19.4
02509020	4026857020097	Access hook pair for removal of the access top				
01006600	4026857000525	Foul air trap DA/OD 110				1.5
01006700	4026857026594	Foul air trap with leaves sieve				0.2
01006800	4026857000549	Pipe socket DA/OD 110				0.2
07297100	4026857021384	End cap, closed				0.4
07298100	4026857021391	End cap with pipe socket DA/OD 110				0.8

** Channel with sidewise perforations for the connection of t-junctions, elbow joints and cross-over joints
*** Every 2nd channel with perforation DA/OD 110 for vertical outlet

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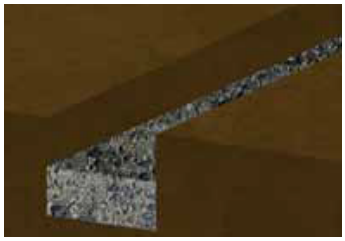
Installation instructions

The following installation guidelines are schematic representations. These are provided as examples and are non-binding. The information provided here is based on our long-term experience in excavation and road construction as well as the state-of-the-art technology.

Despite this, designers and planners are always obligated to check the pro-ducts and the installation instructions for their appropriateness. The example details are simplified recommendations for execution. Constructions are to be re-created on a project-specific basis.

Important: Insert gratings for the installation.

Installation instructions

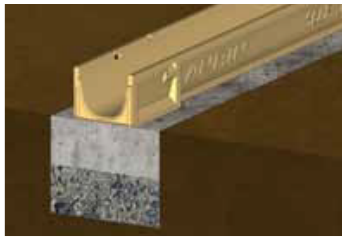


1. Dig out the trench. Fill in and pre-condense the base course.

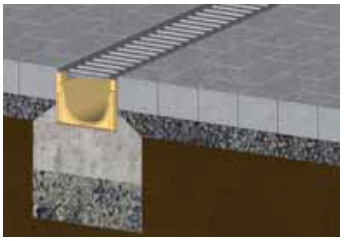
2. Connect pipe connections to the pipeline and align the components evenly. Fill concrete bed.

3. Fill concrete, 3 parts sand + 1 part water + 1 part cement, into the base of the trench.

4. Place cover gratings on the channels.



5. Position channel string, sump unit and end cap on the concrete bed.



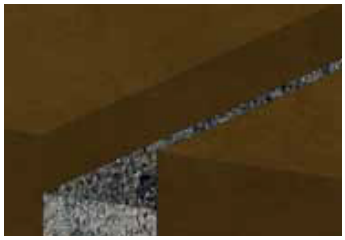
6. Install paving. The layer should end 2 to 5 mm higher than the cover grating.

Technisches Datenblatt
ANRIN SELF Entwässerungsrinnen
SELF-100 mit Schlitzaufsatz

Einbauanleitung

Bei den nachfolgenden Einbaubeispielen handelt es sich um schematische Darstellungen. Diese sind beispielhaft und unverbindlich. Die hier gemachten Angaben beziehen sich auf unsere langjährige Erfahrung im Tief- und Straßenbau bzw. dem derzeitigen Stand der Technik. Unabhängig davon sind Planer und Verarbeiter in jedem Fall verpflichtet, die Produkte und die Einbauanleitung auf ihre Eignung zu prüfen. Die beispielhaften Details sind vereinfachte Ausfüh-rungsvorschläge.
Konstruktionsaufbauten sind objektspezifisch neu zu erstellen.

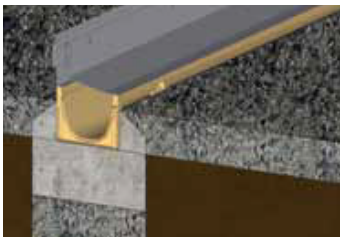
Wichtig: Roste beim Einbau einlegen.



1. Graben ausheben. Tragschicht einfüllen und vorverdichten.

2. Rohranschlüsse an die Rohr-leitung anschließen und Bauteile eben ausrichten. Betonbett verfüllen.

3. Betonbett aus 3 Teile Sand + 1 Teil Wasser + 1 Teil Zement, auf Tragschicht aufbauen.



4. Schlitzaufsätze auf Rinnen-unterteile auflegen. Schottertragschicht aufbrin-gen und verdichten.

5. Rinnenstrang, Einlaufkästen und Stirnwände auf das Betonbett aufsetzen.

6. Splittbett aufbringen und einebnen. Den Oberbelag mit ca. 1 cm Überstand zum Ein-laufschlitz abschließen.

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