

Technical data sheet

SELF GL-100



SERVICE

ANRIN provides custom solutions and possibilities for the contract business. Here you benefit from reliable cooperation with our technical office staff and good contact with the field staff. ANRIN is certified according to DIN EN ISO 9001.

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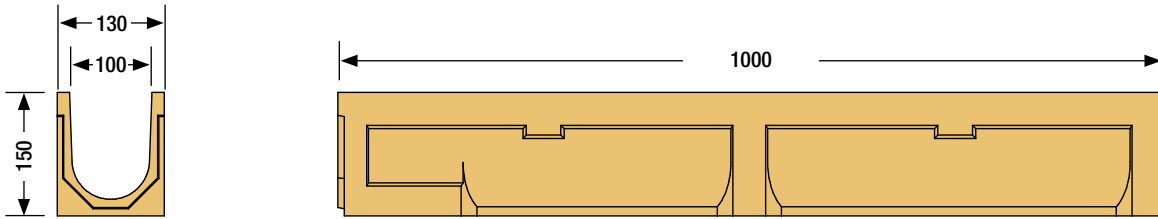
Product specifications

Product specifications	SELF GL-100
Material	Resin concrete
Length	50 cm and 100 cm
Width	13 cm
Height	8 - 25 cm
Weight	10 - 18 kg
Nominal width	100 mm
Slope type	Stepped invert or Constant invert
Joint type	UNILINK® joint
Fastening	TwistLock fastening
Load capacity	A15, B125, C250 according DIN 19580 / EN 1433
Cover gratings	Freely selectable

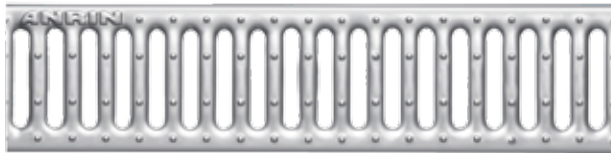
Material properties

Channel / component body	
Polymer concrete:	polyester resin-based with mineral aggregates, additives
Compressive strength:	≥ 90 N/mm ²
Bending tensile strength:	≥ 22 N/mm ²
Modulus of elasticity:	ca. 25 kN/mm ²
Density:	2.1 – 2.3 g/dm ³
Heat resistance:	100° C (permanent loading)
Frost resistance:	-50° C
Water penetration depth:	0 mm
Water absorption:	0.05 %
Channel cover	
Cover gratings:	Slotted steel grating, galvanised cl. A 15, Mesh grating, galvanised cl. B 125, Slotted cast iron cl. C 250

Channel dimensions



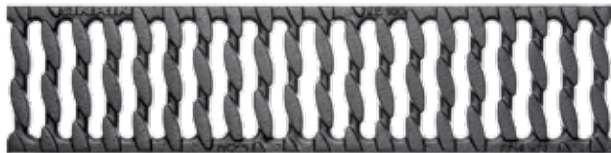
Cover gratings



Slotted steel grating, galvanised,
Load capacity: A 15, Length: 50 cm, 100 cm



Mesh grating,
Load capacity: B 125, Length: 50 cm, 100 cm



Slotted cast iron grating, OvalGrip,
Load capacity: C 250, Length: 50 cm

Channel types

Article no.	EAN	Designation	Length cm	Width cm	Height cm	Weight kg
07200000	4026857007524	GL-100 Channel No. 0	100	13.0	15.0	
07201000	4026857007760	GL-100 Channel No. 010	100	13.0	20.0	
07200800	4026857007753	GL-100 Channel No. 080	100	13.0	8.0	
07200500	4026857007739	GL-100 Channel No. 05	100	13.0	17.5	
07200550	4026857007746	GL-100 Channel No. 05/0,5	50	13.0	17.5	
07201050	4026857007777	GL-100 Channel No. 010/0,5	50	13.0	20.0	
07202000	4026857007784	GL-100 Channel No. 020	100	13.0	25.0	
07202050	4026857007791	GL-100 Channel No. 020/0,5	50	13.0	17.5	

Accessories

Article no.	EAN	Designation	Length cm	Width cm	Height cm	Weight kg
07206000	4026857007852	GL-100 Sump unit	50	13.0	56.3	
07207100	4026857007906	GL-100 Closed end cap for channel No. 0 - 010				
07208100	4026857007920	GL-100 Closed end cap for channel No. 20				
07208800	4026857026525	GL-100 Closed end cap for channel No. 080				
07207000	4026857024064	GL-100 End cap with pipe socket for channel No. 0				
07207200	4026857007913	GL-100 End cap with pipe socket for channel No. 10				
07208200	4026857007937	GL-100 End cap with pipe socket for channel No. 20				





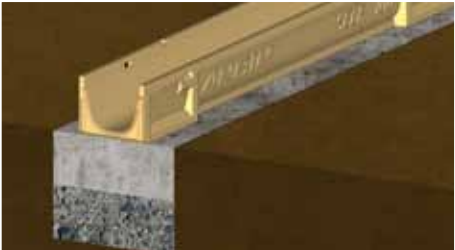

Cover gratings with TwistLock fastening

Article no.	EAN	Designation	Length cm	Width cm	Height cm	Weight kg
07203200	4026857007807	GL-100 Slotted steel grating galvanised, cl. A 15	100	12.4	2.1	
07203220	4026857007814	GL-100 Slotted steel grating galvanised, cl. A 15	50	12.4	2.1	
07203300	4026857007821	GL-100 Mesh grating galvanised, cl. B 125	100	12.4	2.1	
07203320	4026857007838	GL-100 Mesh grating galvanised, cl. B 125	50	12.4	2.1	
07203500	4026857026662	GL-100 Slotted cast iron, cl. C 250	50	12.4	2.1	

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 products 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	
	Dig out the trench. Fill in and pre-condense the base course.
	Connect pipe connections to the pipeline and align the components evenly. Fill concrete bed.
	Fill concrete, 3 parts sand + 1 part water + 1 part cement, into the base of the trench.
	Place cover gratings on the channels.
	Position channel string, sump unit and end cap on the concrete bed.
	Install paving. The layer should end 2 to 5 mm higher than the cover grating.