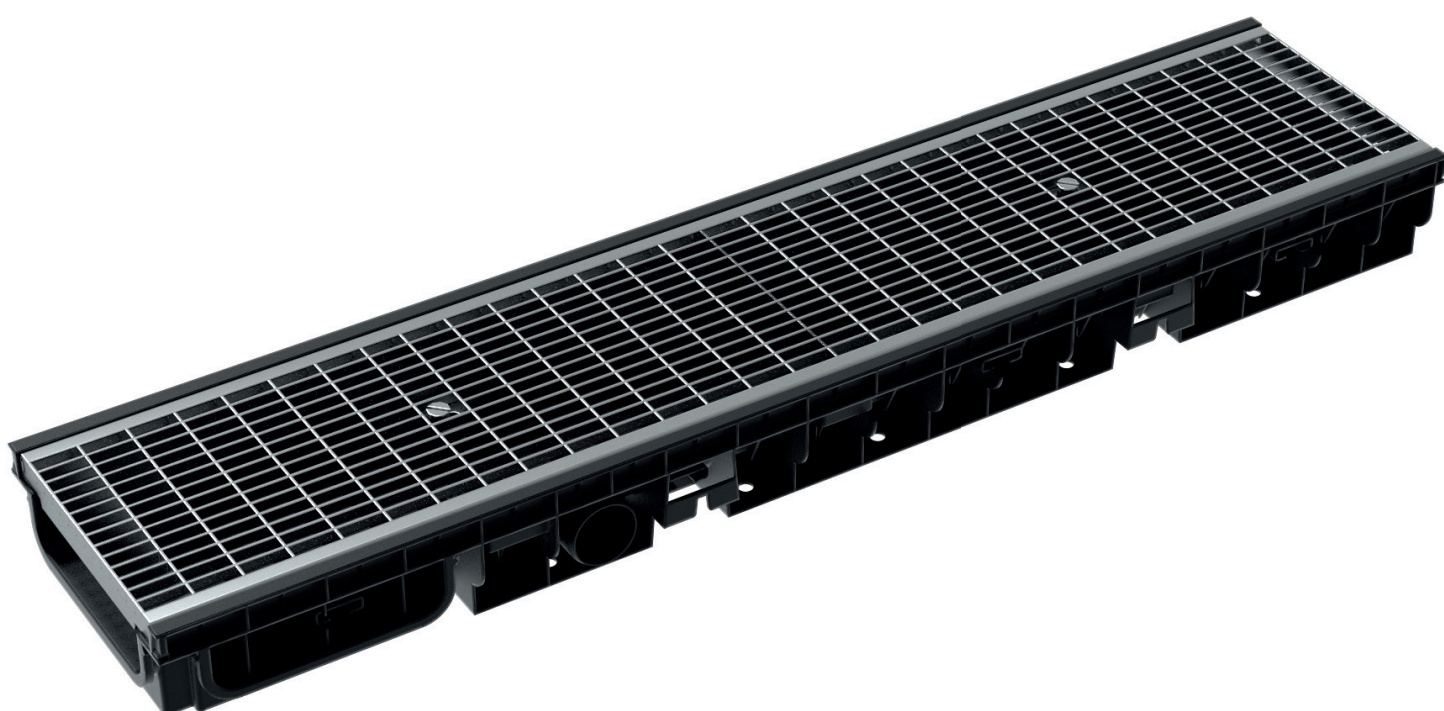


# ANRIN

LEADING WATER



## Technical data sheet

Drainage channels  
LC-150

# Technical data sheet

## Drainage Channels LC-150

### Product specifications

Product specifications	Drainage Channels LC-150 090 / 125 / 200
Material	High Density Polyethylen (HDPE)
Length	100 cm
Width	22.5 cm
Height	12.5 - 20.0 cm
Weight	4.6 - 19.5 kg
Nominal width	150 mm
Slope type	Constant invert
Fastening	Locking bridge
Load capacity	Cl. A15, B125 and C250
Cover gratings	Polypropylene (PP) Channels cl. A15, galvanised steel cl. B125, ductile-iron HEELGUARD cl. C250

### Material properties

Physical properties of polypropylene	Chemical properties of polypropylene
High resistance to breaking	Resistant to road salt
High impact strength	Resistant to acids
Thermally stable from -20 °C to +95 °C	Resistant to alkalis and most organic solvents
Elastic modulus 1300 to 1800 N/mm²	High UV stability
Density 0.895 to 0.92 g/cm³	No emissions into the groundwater

### Cover gratings



Polypropylene (PP) slotted grating

Polypropylene (PP)  
 Length: 50 cm  
 MW 48 x 8 mm  
 Load capacity:  
**A15**



Ductile-iron HEELGUARD

Ductile-iron  
 Length: 50 cm  
 SW: 6 mm  
 Load capacity:  
**C250**



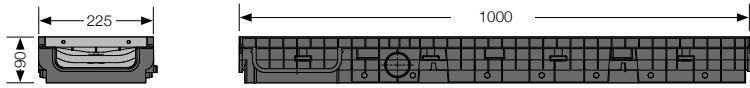
Mesh grating

Galvanised steel  
 Length: 100 cm  
 MW 30 x 10 mm  
 Load capacity:  
**B125**

# Technical data sheet

## Drainage Channels LC-150

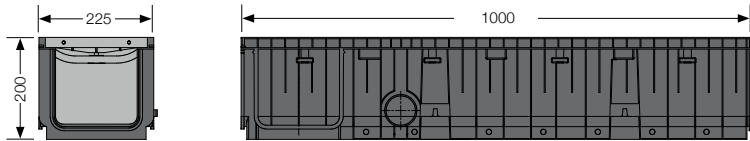
### Channel dimensions for LC-150 090



### Channel dimensions for LC-150 125



### Channel dimensions for LC-150 200



# Technical data sheet

## Drainage Channels LC-150

### Drainage Channels LC-150 090

Article no.	EAN	Designation	Length cm	Width cm	Height cm	Weight kg
15109000	4026857033158	LC-150 090 with Polypropylene (PP) slotted grating <b>A15</b>	100	22.5	9.0	4.6
15109100	4026857033172	LC-150 090 with Mesh grating <b>B125</b>	100	22.5	9.0	7.4
15109200	4026857033189	LC-150 090 with Ductile-iron HEELGUARD <b>C250</b>	100	22.5	9.0	19.5
15109700	4026857033165	LC-150 090 End cap set	3.6	22.5	6.7	0.1

### Drainage Channels LC-150 125

Article no.	EAN	Designation	Length cm	Width cm	Height cm	Weight kg
15112500	4026857033196	LC-150 125 with Polypropylene (PP) slotted grating <b>A15</b>	100	22.5	12.5	4.8
15112510	4026857033202	LC-150 125 with Mesh grating <b>B125</b>	100	22.5	12.5	7.6
15112520	4026857033219	LC-150 125 with Ductile-iron HEELGUARD <b>C250</b>	100	22.5	12.5	19.7
15112570	4026857033226	LC-150 125 End cap set	3.6	22.5	10.2	0.2

### Drainage Channels LC-150 200

Article no.	EAN	Designation	Length cm	Width cm	Height cm	Weight kg
15120000	4026857033240	LC-150 200 with Polypropylene (PP) slotted grating <b>A15</b>	100	22.5	20.0	5.9
15120010	4026857033257	LC-150 200 with Mesh grating <b>B125</b>	100	22.5	20.0	8.7
15120020	4026857033264	LC-150 200 with Ductile-iron HEELGUARD <b>C250</b>	100	22.5	20.0	20.8
15120070	4026857033233	LC-150 200 End cap set	3.6	22.5	17.7	0.3

# Technical data sheet

## Drainage Channels LC-150

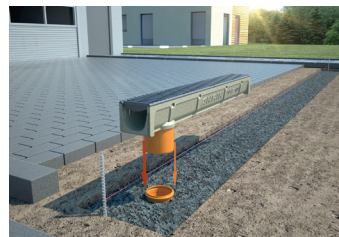
With ANRIN drainage systems, precipitation water should be drained off safely and quickly. In addition, the structural elements have the task of absorbing static and dynamic loads resulting from traffic-related stresses and transferring them to the surrounding subsoil. When selecting, planning and installing ANRIN drainage systems, extracts of the following technical regulations in their currently valid version must be observed.

The following installation instructions are schematic illustrations. These are exemplary and not binding. The information given here is based on our many years of experience in civil engineering and road construction and the current state of the art. Irrespective of this, planners and fabricators are always obliged to check the products and the installation instructions for their suitability. The exemplary details are simplified implementation suggestions. Superstructures are to be created specifically for each object.

Important: Insert gratings for the installation.



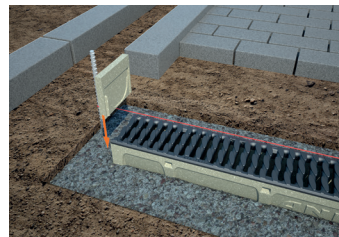
1. Excavate trench. Fill in and pre-compact base course. Apply concrete pad, 3 parts sand + 1 part cement + 1 part water, to base course.



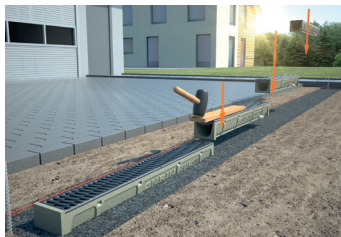
2. Connect pipe connections to the pipeline.



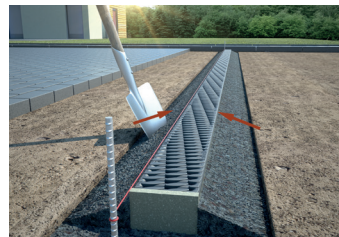
3. Place channel elements and sump unit on the concrete pad. Align components so that they are level.



4. Position end caps.



5. Complete the series and ensure the level alignment of the components.



6. Backfill the concrete pad.



7. Lay the paving.



8. The surface should be 2 to 5 mm higher than the cover grating.

### Rules and regulations

During installation, the current rules and regulations of the current state of the art must be observed.

These include:

DIN EN 1433

"Drainage channels for vehicular and pedestrian areas"

DIN 19580

"Drainage channels for vehicular and pedestrian areas..."

RStO

"Guidelines for the standardisation of pavement structures of traffic areas"

DIN EN 206-1

"Concrete Part 1 - Specification, performance, production and conformity"

DIN EN 1045-2

"Concrete, reinforced and prestressed concrete structures - Part 2: Part 2: Concrete - Specification, performance, production and conformity - Application rules for DIN EN 206-1"



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