

# ANRIN

LEADING WATER



Technical  
data sheet

SELF PP  
Drainage channels

# Technical data sheet

## ANRIN SELF-PP Drainage Channels

### Product specifications

| Product specifications |  | SELF PP Channel 080                                                          |
|------------------------|--|------------------------------------------------------------------------------|
| Material               |  | Polypropylene (PP)                                                           |
| Length                 |  | 100 cm                                                                       |
| Width                  |  | 12.1 cm                                                                      |
| Height                 |  | 8.4 cm                                                                       |
| Weight                 |  | 1.6 kg - 1.8 kg                                                              |
| Nominal width          |  | 100 mm                                                                       |
| Slope type             |  | Constant invert                                                              |
| Fastening              |  | Clip locking                                                                 |
| Load capacity          |  | A15                                                                          |
| Cover gratings         |  | Polypropylene (PP) slotted grating A15, Galvanised steel slotted grating A15 |

| Product specifications |  | SELF PP EVO 063 / 0100 / 0150                                                                                                                |
|------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------|
| Material               |  | Polypropylene (PP)                                                                                                                           |
| Length                 |  | 100 cm                                                                                                                                       |
| Width                  |  | 13.1 cm                                                                                                                                      |
| Height                 |  | 6.3 / 9.8 cm / 14.8 cm                                                                                                                       |
| Weight                 |  | 1.6 kg - 8.7 kg                                                                                                                              |
| Nominal width          |  | 100 mm                                                                                                                                       |
| Slope type             |  | Constant invert                                                                                                                              |
| Fastening              |  | Screw fastening                                                                                                                              |
| Load capacity          |  | A15 - C250                                                                                                                                   |
| Cover gratings         |  | Steel slotted grating cl. A15, Polypropylene (PP) slotted grating A15, Polyamide grating Oval Grip B125, ductile-iron grating Oval Grip 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/mm <sup>2</sup> |  | High UV stability                              |
| Density 0.895 to 0.92 g/cm <sup>3</sup>        |  | No emissions into the groundwater              |

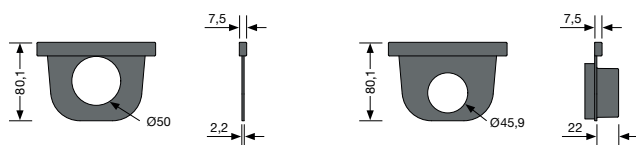
# Technical data sheet

## ANRIN SELF-PP Drainage Channels

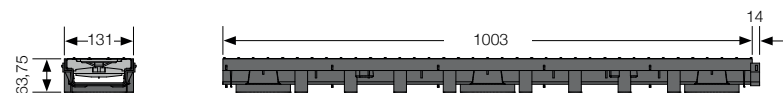
### Channel dimensions SELF PP channel 080



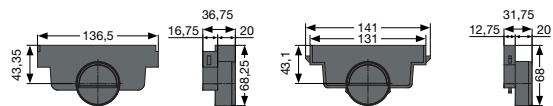
### Channel dimensions for SELF PP 080 End cap set



### Channel dimensions for PP EVO 063

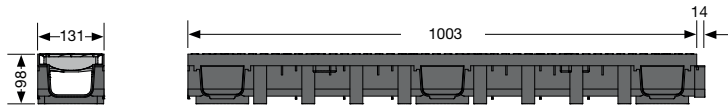


### Channel dimensions for SELF PP EVO 063 End cap set

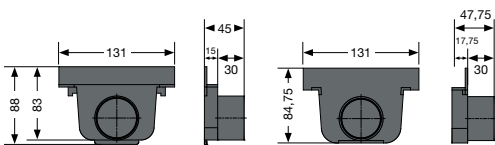


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ANRIN SELF-PP Drainage Channels

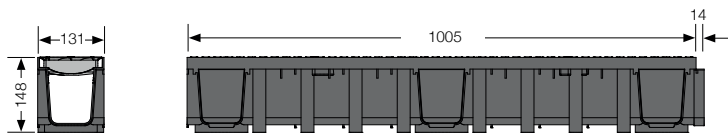
Channel dimensions for PP EVO 0100



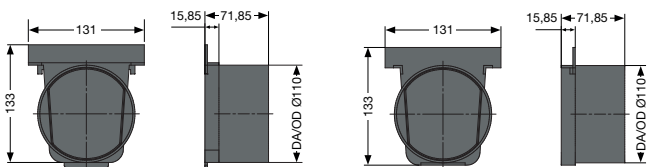
Channel dimensions for SELF PP EVO 0100 End cap set



Channel dimensions for PP EVO 0150



Channel dimensions for SELF PP EVO 0150 End cap set



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## ANRIN SELF-PP Drainage Channels

### SELF PP Channel 080

| Article no. | EAN           | Designation                                                             | Length<br>cm | Width<br>cm | Height<br>cm | Weight<br>kg |
|-------------|---------------|-------------------------------------------------------------------------|--------------|-------------|--------------|--------------|
| 11081000    | 4026857031789 | SELF PP channel 080 with Polypropylene (PP) slotted grating A15         | 100          | 12,1        | 8,4          | 1,6          |
| 11082000    | 4026857031796 | SELF PP channel 080 with galvanised steel slotted grating A15           | 100          | 12,1        | 8,4          | 1,8          |
| 11087700    | 4026857031802 | SELF PP End cap pair 080 for channel tongue and groove                  |              |             |              |              |
| 11088700    | 4026857031819 | SELF PP Adapter with screws for linking with<br>DN 100 pipe connections |              |             |              |              |

### SELF PP EVO 063

| Article no. | EAN           | Designation                                                 | Length<br>cm | Width<br>cm | Height<br>cm | Weight<br>kg |
|-------------|---------------|-------------------------------------------------------------|--------------|-------------|--------------|--------------|
| 11603000    | 4026857032748 | SELF PP EVO 063 with steel slotted grating A15              | 100          | 13,1        | 6,3          | 2,5          |
| 11602000    | 4026857032786 | SELF PP EVO 063 with Polypropylene (PP) slotted grating A15 | 100          | 13,1        | 6,3          | 1,6          |
| 11604000    | 4026857032755 | SELF PP EVO 063 with polyamide grating Oval Grip B125       | 100          | 13,1        | 6,3          | 2,3          |
| 11605000    | 4026857032762 | SELF PP EVO 063 mit ductile-iron grating C250               | 100          | 13,1        | 6,3          | 6,8          |
| 11607000    | 4026857032779 | SELF PP EVO 063 End cap set (DA 50)                         |              |             |              |              |

### SELF PP EVO 0100

| Article no. | EAN           | Designation                                                  | Length<br>cm | Width<br>cm | Height<br>cm | Weight<br>kg |
|-------------|---------------|--------------------------------------------------------------|--------------|-------------|--------------|--------------|
| 11103000    | 4026857032489 | SELF PP EVO 0100 with steel slotted grating A15              | 100          | 13,1        | 9,8          | 2,9          |
| 11104000    | 4026857032496 | SELF PP EVO 0100 with polyamide grating Oval Grip B125       | 100          | 13,1        | 9,8          | 3,2          |
| 11105000    | 4026857032502 | SELF PP EVO 0100 with ductile-iron grating Oval Grip C250    | 100          | 13,1        | 9,8          | 8,2          |
| 11106000    | 4026857032793 | SELF PP EVO 0100 with Polypropylene (PP) slotted grating A15 | 100          | 13,1        | 9,8          | 2,5          |
| 11107000    | 4026857032519 | SELF PP EVO 0100 End cap set (DN 110)                        |              | 13,1        | 9,8          | 0,2          |

### SELF PP EVO 0150

| Article no. | EAN           | Designation                                                  | Length<br>cm | Width<br>cm | Height<br>cm | Weight<br>kg |
|-------------|---------------|--------------------------------------------------------------|--------------|-------------|--------------|--------------|
| 11502000    | 4026857032809 | SELF PP EVO 0150 with Polypropylene (PP) slotted grating A15 | 100          | 13,1        | 14,8         | 2,2          |
| 11503000    | 4026857032526 | SELF PP EVO 0150 with steel slotted grating A15              | 100          | 13,1        | 14,8         | 3,4          |
| 11504000    | 4026857032533 | SELF PP EVO 0150 with polyamide Oval Grip grating B125       | 100          | 13,1        | 14,8         | 3,7          |
| 11505000    | 4026857032540 | SELF PP EVO 0150 with ductile-iron grating Oval Grip C250    | 100          | 13,1        | 14,8         | 8,7          |
| 11507000    | 4026857032557 | SELF PP EVO 0150 End cap set (DN 110)                        |              | 13,1        | 14,8         | 0,2          |

Note: Sump units for SELF PP EVO 0100 / 0150 are available on request!

# Technical data sheet

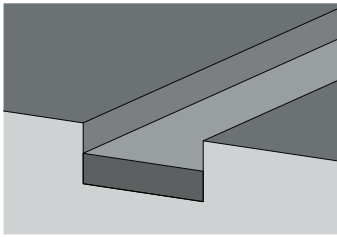
## ANRIN SELF-PP Drainage Channels

### Installation instructions

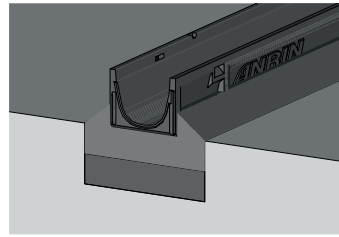
The following installation guidelines are schematic representations. These are provided as examples and are non-binding. The information provided here is based on our long-term experience in excavation and road construction as well as the state-of-the-art technology.

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.

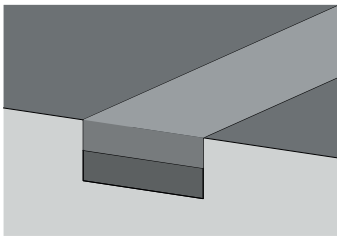
Important: Insert gratings for the installation.



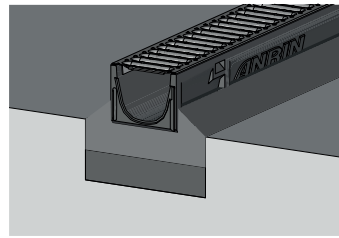
1. Dig out the trench. Fill in and pre-condense the base course.



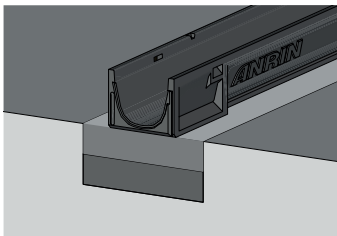
2. Connect pipe connections to the pipeline and align the components evenly. Fill concrete bed.



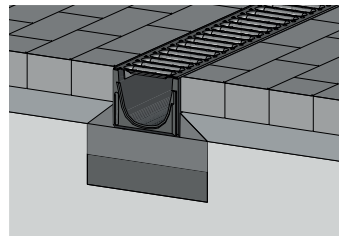
3. Fill concrete, 3 parts sand + 1 part water + 1 part cement, into the base of the trench.



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.



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