

# ACO SELF<sup>®</sup> Euroline



## Euroline Polymer concrete drainage channels

- **Euroline 100**
- **Euroline 150**



**ACO Self® Channel –high strength domestic and residential water drainage system.**



*If rain water is not properly diverted, it can cause structural damage inside and outside the residence. With the ACO Self® system, ACO provides drainage channels for all types of terrain and the most varied requirements. The ACO Self® modular system offers more than a drainage function, combining functionality with the highest level of design. One channel for any requirement with a range of grating designs to suit the design need.*

**Modular System**

ONE CHANNEL for each application. The ACO Self® drainage was specially developed for private applications and combines best quality with high level of design. Gratings are car drivable and suitable for all drainage applications around the house.



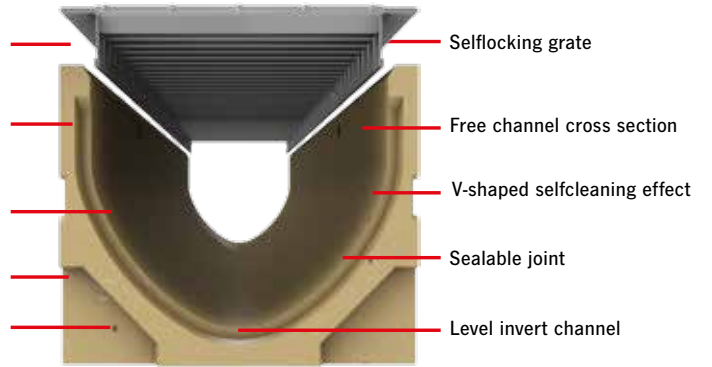
- |                                  |                          |                    |                     |           |
|----------------------------------|--------------------------|--------------------|---------------------|-----------|
| Pool<br>and<br>water<br>features | Terraces<br>and<br>decks | House<br>entrances | Garage<br>entrances | Driveways |
|----------------------------------|--------------------------|--------------------|---------------------|-----------|

**The ACO Self® Euroline**



**Polymetric channel benefit**

- Material: polymer concrete
- Light duty traffic applications
- Smooth surface for high flow rate
- Frost-resistant
- High strength



Load Class up to 250 KN certified!

**The ACO Self® Euroline product range**

Galvanised steel  
10mm  
slotted grate



Galvanised steel  
6mm  
heelsafe  
slotted grate



Cast Iron  
10mm  
slotted grate



Composite  
grating with  
micro grip



Brickslot  
stainless steel  
or galvanised  
steel  
65mm depth



Stainless steel  
linear heelsafe  
grate



Cast Iron  
mesh grate  
terracotta  
\*Alternative  
coloured  
option on  
request



**Euroline one channel different gratings =  
select your grate for a perfect solution**

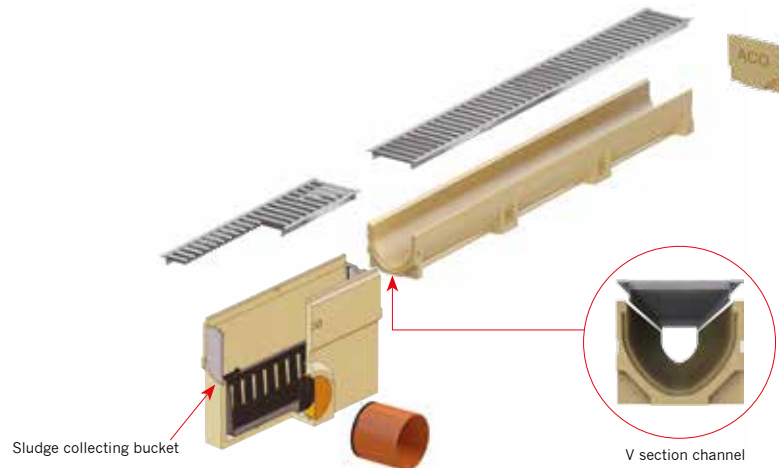


**Product information**

- In polymer concrete
- V-shape section
- Resistant to freeze thaw attack
- Low weight and high compressive strength
- High hydraulic capacity and flow rate
- No bar locking device
- Intergated locking system
- Foul air trap

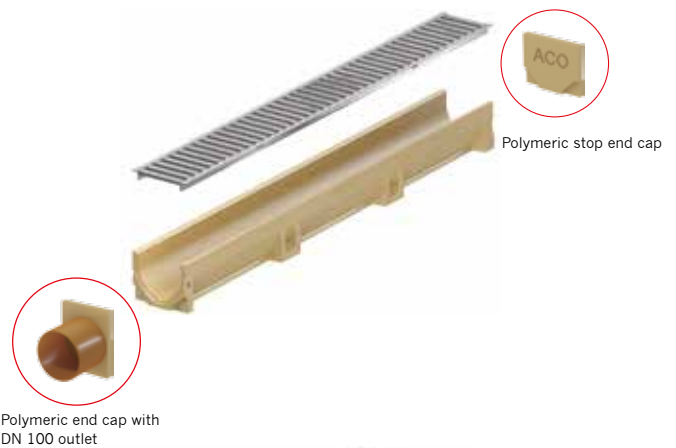
**Connection: Type 1**

Connecting to the drainage system through a sump unit, including a sludge collection bucket and optional foul air trap



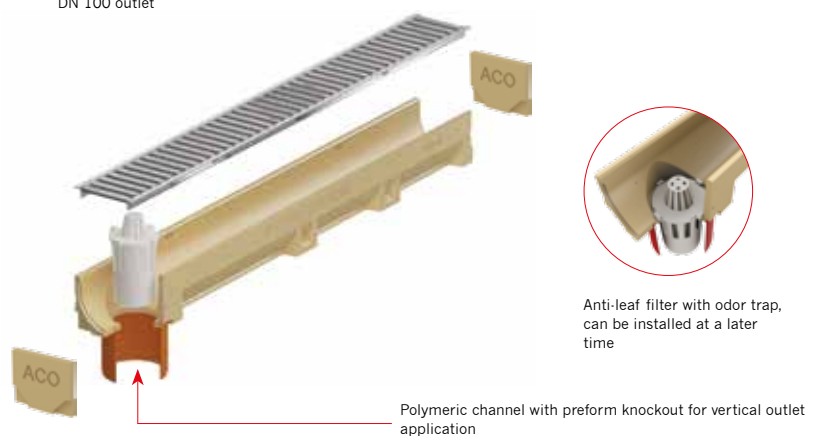
**Connection: Type 2**

Connecting to the drainage system through the polymeric end cap with DN 100 outlet pipe fitting.



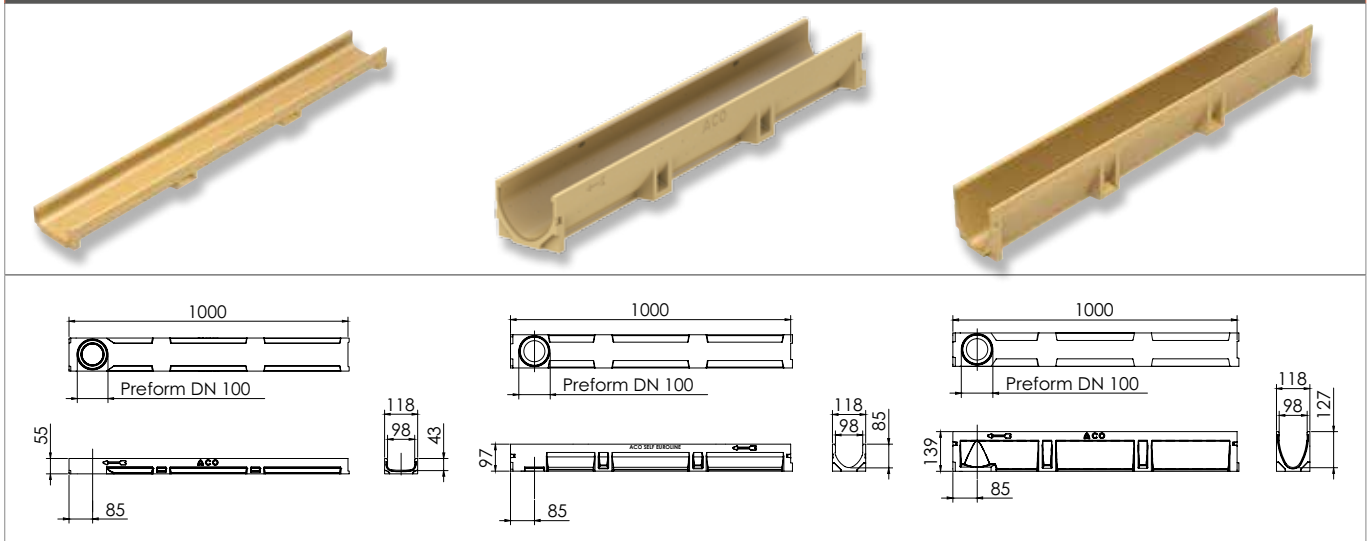
**Connection: Type 3**

Connecting to the drainage system through the preform channel DN 100 knockout



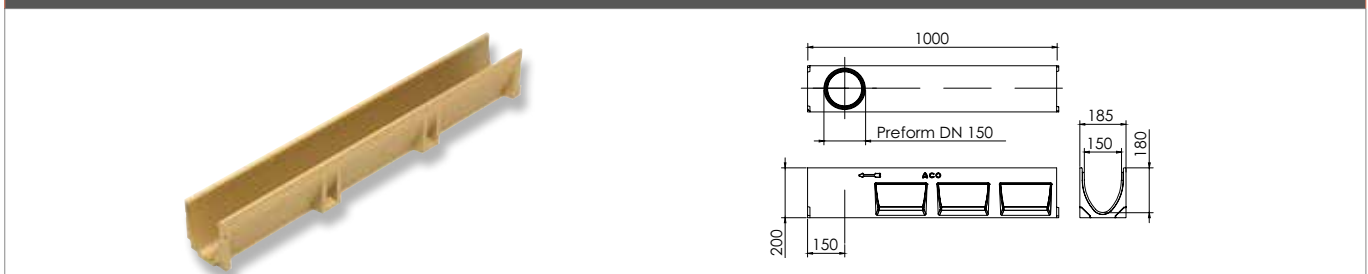


**Euroline 100 channel body with preform DN100 knockout**



Length [mm]	Width overall [mm]	Depth overall [mm]	Weight [kg/pc]	Code
<b>With DN 100 knockout</b>				
1000	118	55	5,20	810020
1000	118	97	6,70	810024
1000	118	139	10,20	810028






**Euroline 150 channel body with preform DN150 knockout**





Length [mm]	Width overall [mm]	Depth overall [mm]	Weight [kg/pc]	Code
1000	185	200	22,00	850025



## Accessories

Euroline 100 accessories					
Image	Description	Type	Depth overall [mm]	Weight [kg/pc]	Code
	Combined end cap		55	0,35	<b>810200</b>
			97	0,45	<b>38504</b>
			139	0,80	<b>810202</b>
	End cap with DN 100 outlet	Ø 60 mm	55	0,50	<b>810201</b>
		Ø 110 mm	97	0,60	<b>38505</b>
		Ø 110 mm	139	0,95	<b>810203</b>
	Foul air trap			0,12	<b>01666</b>
	Leave catcher			0.02	<b>319282</b>
	Euroline Sump Unit (Including sludge basket)	Ø 110 mm	300mm	10,5	<b>810040</b>


Euroline 150 accessories					
Description	Type	Material	Depth [mm]	Code	
 End cap	Combined end cap	Polymer concrete	200	<b>850230</b>	
 End cap with pipe	DN 150	Polymer concrete	200	<b>850240</b>	



**Euroline 100 gratings**

Image	Description	Length [mm]	Width overall [mm]	Slot/mesh [mm]	Weight [kg/pc]	Code
	Galvanized steel slot grating	1000	118	10	1,40	38516
	Heelsafe galvanized steel slot grating	1000	118	6	1,70	810102
	Cast iron slot grating load class 125 kN (medium duty)	500	118	10	2,50	38512
	Polypropylen with Microgrip	1000	118	8	0,63	319250

**Linear triangle bar grating (Heelsafe)**

Image	Description	Length [mm]	Width overall [mm]	Slot/mesh [mm]	Weight [kg/pc]	Code
	Stainless steel	1000	118	6	3,15	10323
		500	118	6	1,5	10324

**Euroline 150 gratings**

Image	Description	Length [mm]	Width overall [mm]	Slot/mesh [mm]	Weight [kg/pc]	Code
	Galvanized steel mesh grating	1000	181	30 x 10	5,00	850104
	Cast iron slot grating	500	181	147 x 18	4,80	850106

Euroline 100 brickslot							
Image	Drawing	Description	Length [mm]	Width [mm]	Depth [mm]	Weight	Code
		"L" shape brickslot Galvanised steel	1000	118	65	4,35	<b>415830</b>
			500	118	65	2,10	<b>415848</b>
		"L" shape brickslot inspection piece Galvanised steel	500	118	65	3,30	<b>415831</b>
		"L" shape brickslot Stainless steel	100	118	65	3,35	<b>415834</b>
			500	118	65	2,10	<b>415849</b>
		"L" shape brickslot inspection piece Stainless steel	500	118	65	3,30	<b>415835</b>

\* Depth sizes 40mm and 105mm available on request.



### Installation and maintenance of Self® slot channel

Maintenance of the ACO Self® channels with Brickslot is performed via a revision element that is placed directly above the outlet. Depending on the system there is a half-meter or 15-cm revision element available. Revision element should be opened and channel should be cleaned approx. twice a year. Please adjust cleaning frequency to local conditions or provide a second revision element at the other end of the line to facilitate cleaning.

### ACO Self® slot channel with inspection element and sump unit

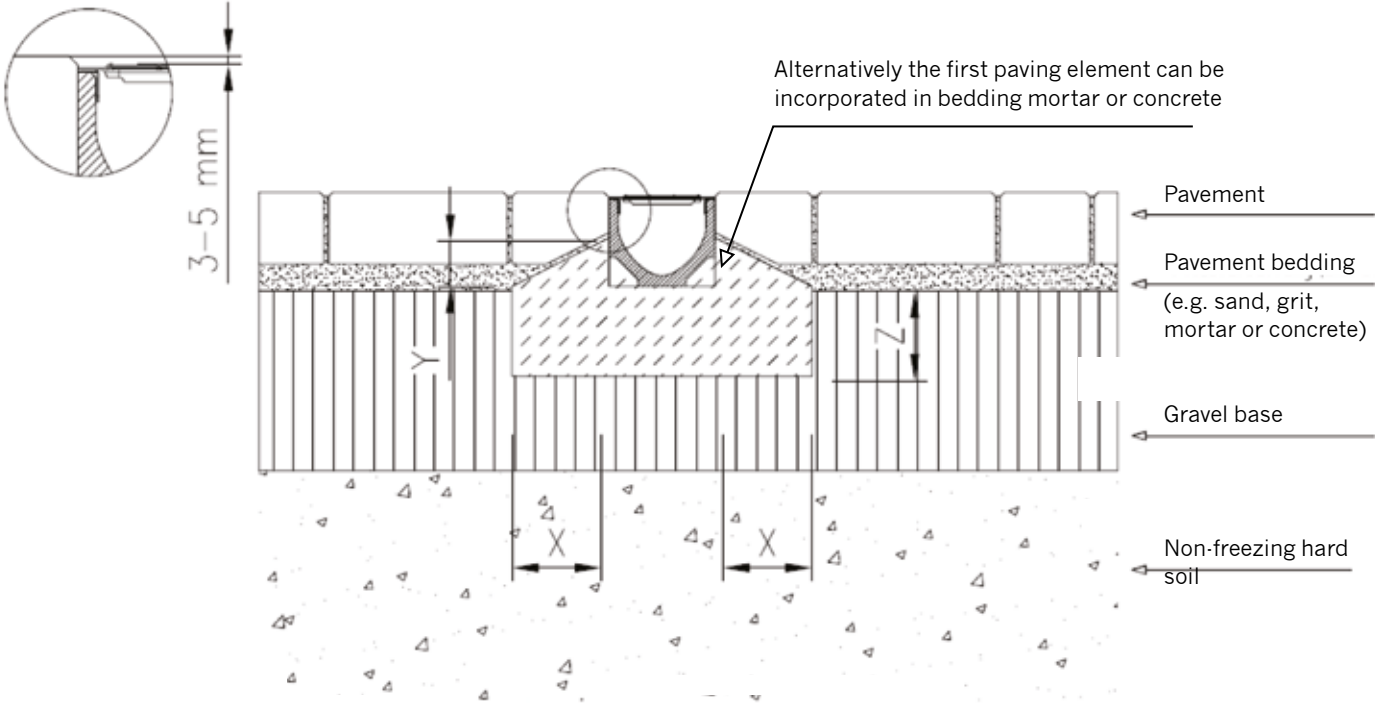
The half-meter revision element fits perfectly with the overall appearance, because the surrounding pavement can also be installed into the tray. Continuous drainage slot guarantees drainage of water over the inspection element. This can be easily opened with two lifting hooks. The inspection element is placed directly on the sump therefore system can be efficiently cleaned with just a dirt bucket.





**Installation of ACO Self® Euroline channel**

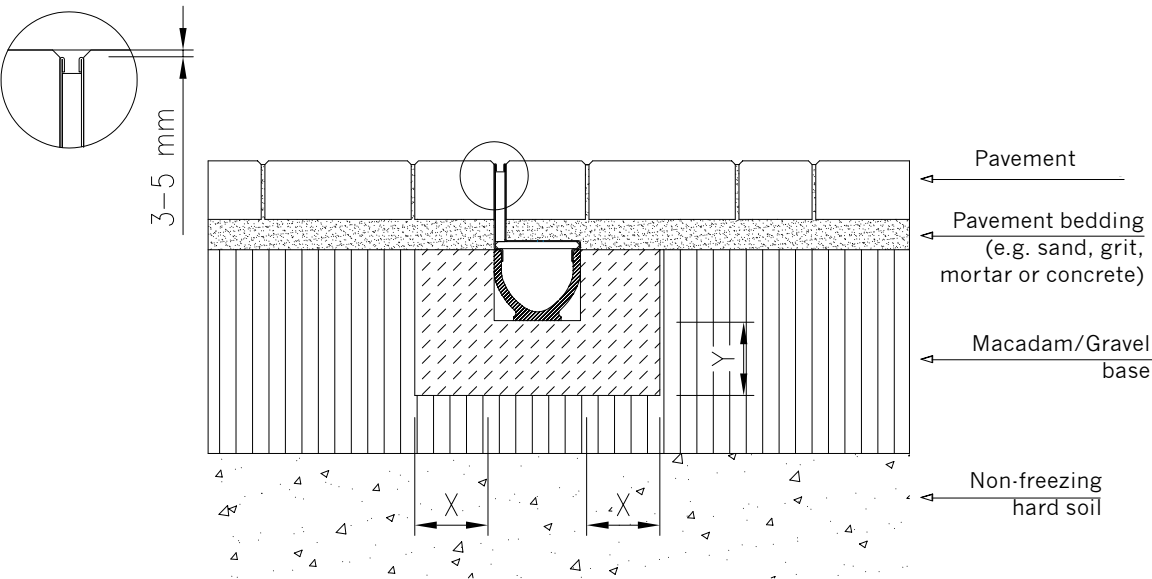
**ACO Self® Euroline installation in pavement**



Load class	A 15	B 125	C 250
Minimum concrete quality EN 206 - 1	C 12/15	C 12/15	C 12/15
X	≥10	≥10	≥15
Y	0	≥5	≥5
Z	≥10	≥10	≥15

Classe: A15 Stainless steel and galvanised steel grate  
Classe: B125 Composite grate

**ACO Self® Euroline with Brickslot - installation in pavement**



Load class	A 15	Car drivable
Minimum concrete quality acc. DIN 1045	B15	B15
acc. EN 206 - 1	C 12/15	C 12/15
X	≥10	≥10
Y	≥10	≥10

ACO Euroline with Brickslot in pavement  
Brickslot class A15 / light vehicle drivable

## Installation examples



Visit our website [www.aco.co.za](http://www.aco.co.za) for more drainage solutions

Multiline – Higher Hydraulic Capacity



Monoblock – Monocast Solution with Integrated Grate







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