



Handling of ACO PowerDrain components in detail

PowerDrain

The PowerDrain system consists of thoughtfully designed components with some refinements for quick installation. Our ACO sales and consulting team is always available to answer any further questions you may have.

www.aco.com/contact

System elements and their handling



Installing the channel

During installation apply special ACO silicone to the integrated EPDM seal to ensure a tight connection



- ACO silicone grease for the seal

Connecting a channel to the sump unit (NW 100)

Connection adapter is included in the delivery of the sump unit. NW 150/200 use sump units without adapters.



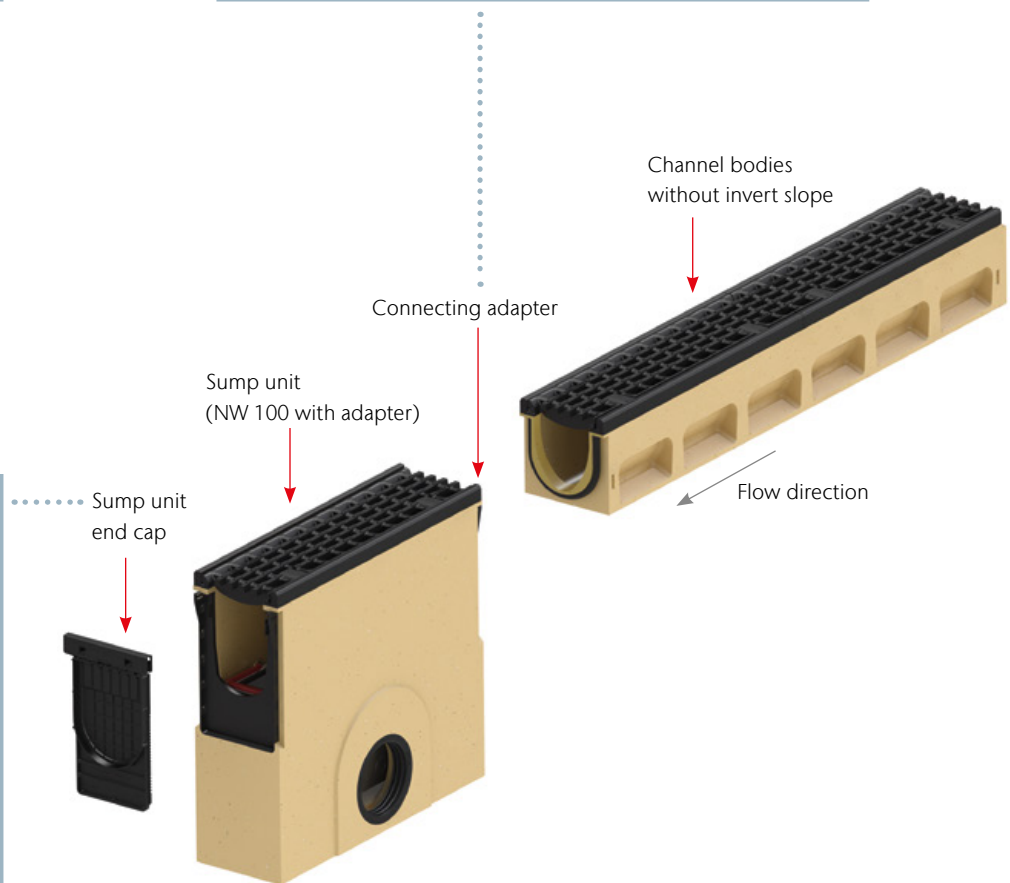
- Shorten the connection adapter according to the type of channel being connected.
- push all the way up
- press on and snap into place

Installing the end cap on the sump unit (NW 100)

The end cap for the sump unit is included as part of the delivery of the sump unit. If one side of the sump unit is not connected to a channel it must be closed off with an end cap.



- push to the boundary
- press on and snap into place



Making fitting pieces

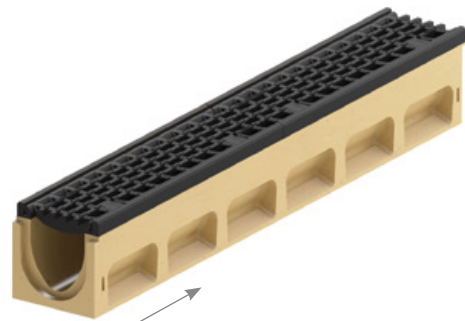
For custom construction lengths, channel bodies can be cut to size with a diamond cutting disc. Polyester adhesive permanently bonds the cut pieces. The same applies to the adapter for changing the flow direction.



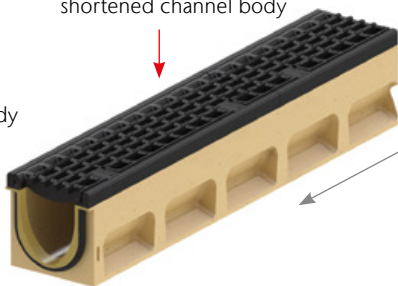
End cap for channel end with lip labyrinth seal (LLS) for horizontal watertight pipe connection



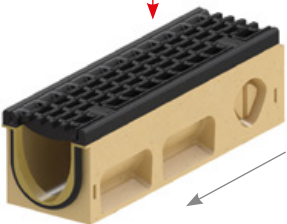
Adapter for change of flow direction



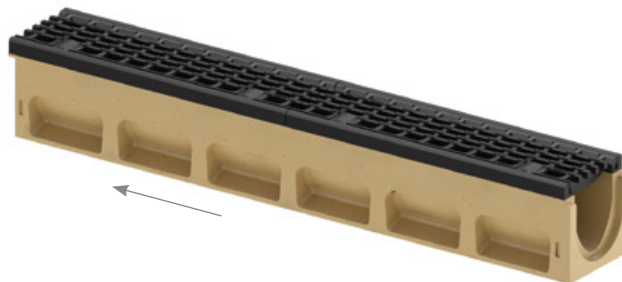
shortened channel body



Half metre channel body without sloped invert



Adapter for corner, T- and cross-connections



Multifunctional closing end cap made of polymer concrete



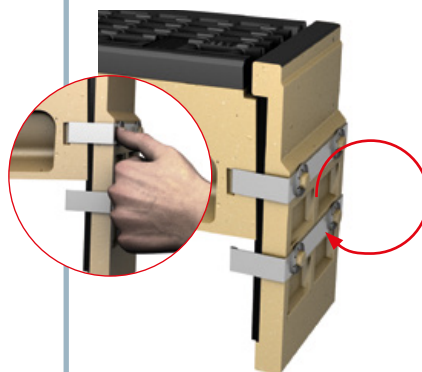
How to prepare a cross section

Pre-drill the side opening on the half-metre element and knock it out with a hammer and chisel. Then glue the channel and adapter together.



Multifunctional closing end cap for channel start and end

Turn the end cap by 180 degrees to ensure an exact fit on the inlet and outlet side.



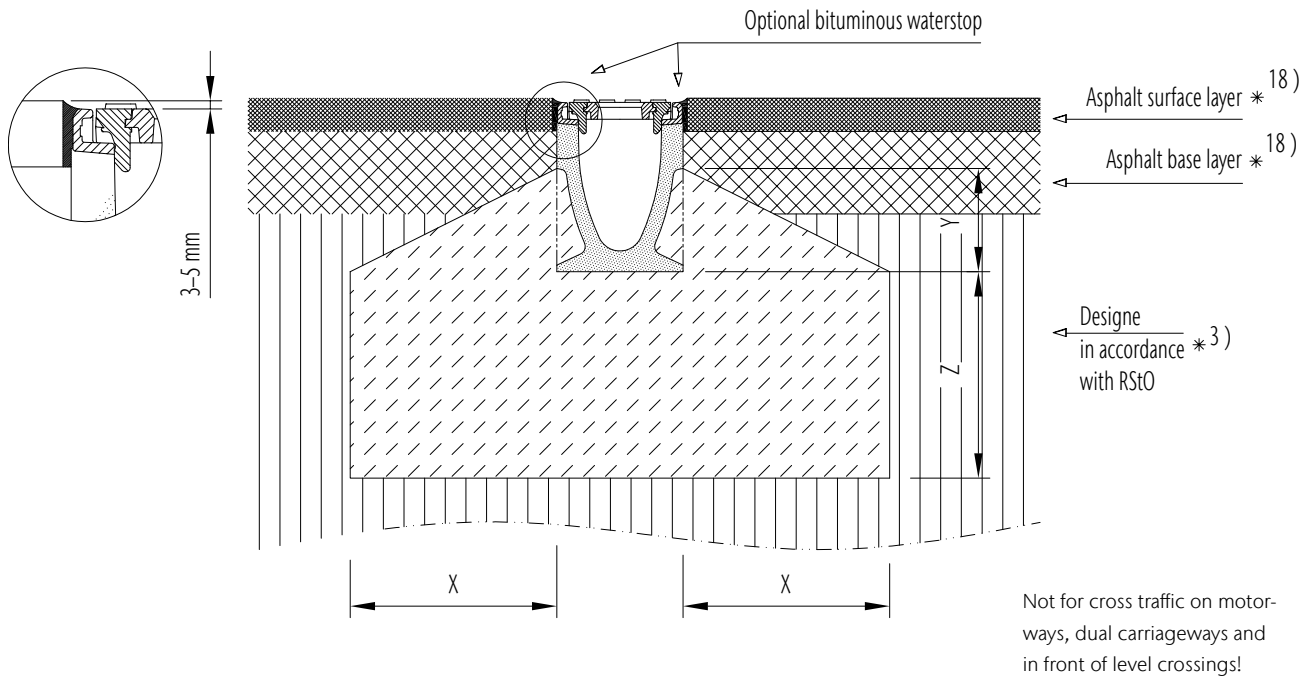
- snap into recess
- for all heights

Channel body installation

Select an installation example that fits to your market needs

Installation in asphalt – Class A 15 to D 400

for extreme loads see index list *7 and installation E 600



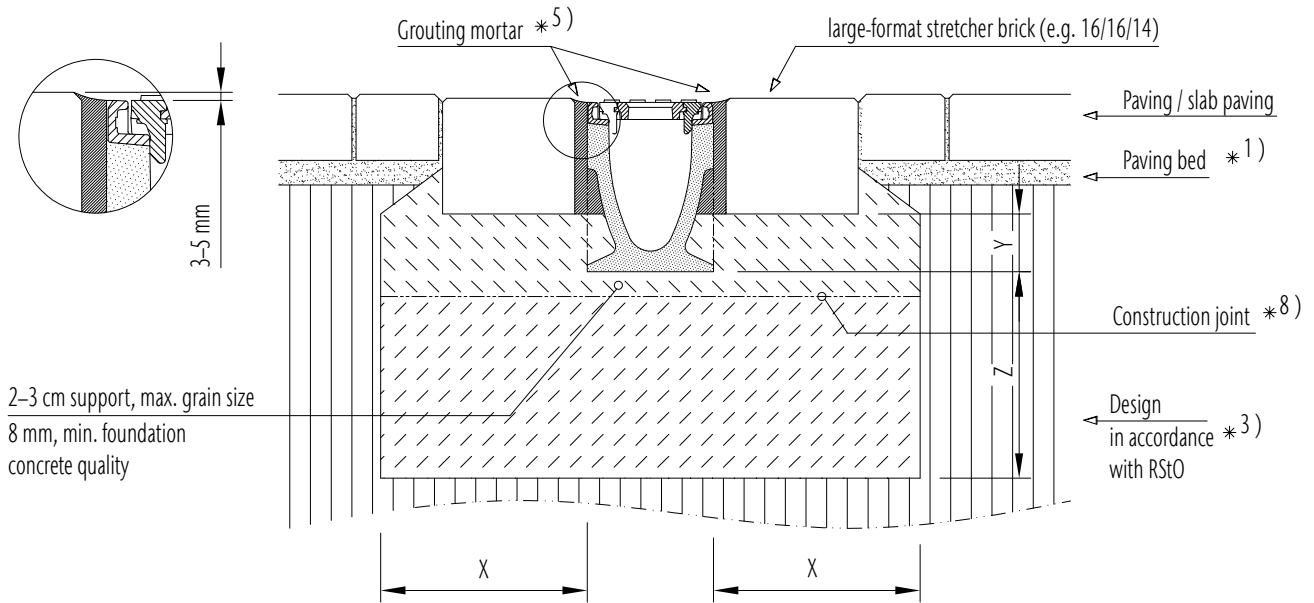
Class		A 15	B 125	C 250	D 400	E 600
Compressive strength class for foundation concrete	(according to BS EN 1433)	≥ C 12/15	≥ C 12/15	≥ C 12/15	≥ C 25/30	object-specific
Exposure class of foundation concrete * 16)	(according to BS EN 206 -1)	(X0)	(X0)	(X0)	(X0)	on request
Foundation dimensions – type M	(according to BS EN 1433)	x [cm]	≥ 10	≥ 10	≥ 15	≥ 20
	y [cm]	Half height channel element				Top edge of anchoring pocket*2
	z [cm]	≥ 10	≥ 10	≥ 15	≥ 20	

Applies only in combination with the general preliminary remarks and the index list of our installation instructions!

Drawing G1-E01-784-3, version 01.21

Installation in pavement – Class D 400 to E 600

for extreme loads see index list *7 and installation in concrete



Not for cross road drainage!

Class	A 15	B 125	C 250	D 400	E 600
Compressive strength class for foundation concrete	(according to BS EN 1433)			≥ C 25/30	≥ C 25/30
Exposure class of foundation concrete * 16)	(according to BS EN 206-1)			(X0)	(X0)
Foundation dimensions – type M	(according to BS EN 1433)			x [cm]	≥ 20
				y [cm]	Lower edge of the stretcher brick
				z [cm]	≥ 20

Applies only in combination with the general preliminary remarks and the index list of our installation instructions!

Drawing G1-E01-782-3, version 01.21



Note

Any more questions?
askACO – your local
ACO team is proud to offer
experience and service

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products-and-services/askaco](http://www.aco.com/en/products-and-services/askaco)