

A close-up photograph of the ACO DRAIN Qmax Neo 300 drainage system. The system is a dark grey, heavy-duty metal grate with a circular opening, mounted on a concrete curb. The grate has a series of curved, ribbed fins inside the opening. The curb is made of light grey concrete blocks. In the background, a red forklift is visible on a paved surface.

NEW

**Robust drainage of large
and heavy duty surfaces**

ACO DRAIN® Qmax Neo 300

ACO. creating the future of drainage

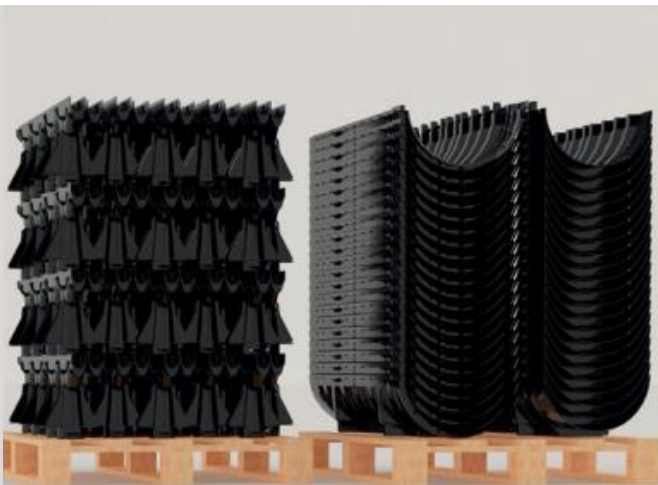
Qmax Family



ACO Qmax is the combination of drainage and retention. There are no limits related to the application field – everything is possible with ACO Qmax, from utilising it as a slotted channel in pedestrian areas to the drainage of large surface areas with heavy traffic. The composite channels are easy and quick to assemble due to their low weight.

Why choose ACO DRAIN® Qmax Neo 300

- **Easy Installation:** Due to the low component weight and the simple assembly of several channel bodies, a quick installation without additional lifting devices is possible.
- **Operating State:** The design enables a reliable and robust solution even in areas with highest load classes.
- **Surface Design:** The narrow rail allows a discreet drainage up to the highest load classes including F 900.



For large projects: Transport optimised delivery and space saving on construction sites.

Qmax Neo 300 Features

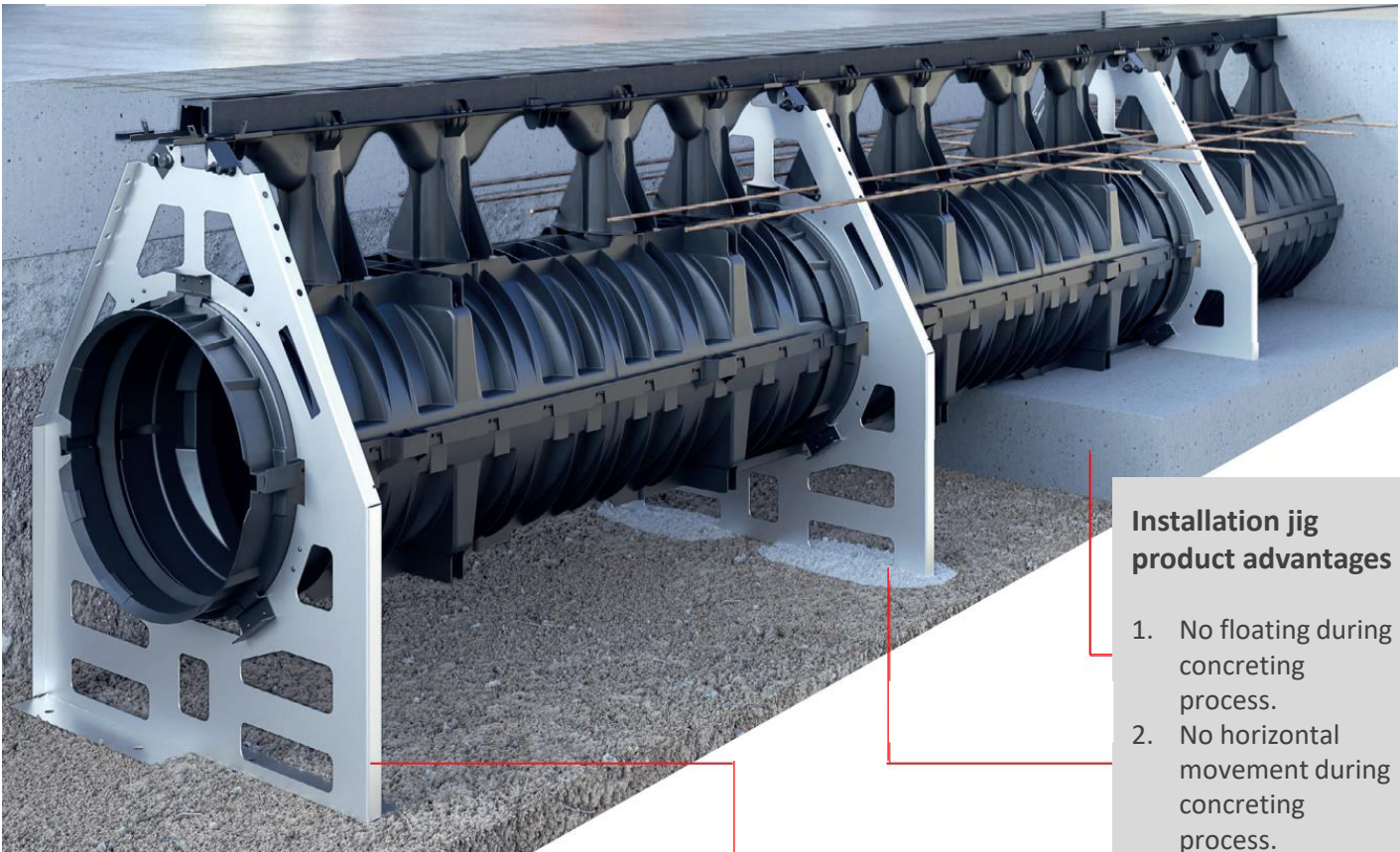


Neo Family ACO DRAIN® Qmax Neo is a new subgroup of the existing Qmax family. This “New Efficient Option” differs in terms of material, manufacturing and transport process. Nevertheless, the main field of application remains within highest load areas.



Accessories

New accessories for an easy alignment



Installation jig
product advantages

- 1. No floating during concreting process.
- 2. No horizontal movement during concreting process.
- 3. Alignment of the edge rail is already ensured during the first concrete pour which fixes the installation jig.

Applications

Due to its versatility, ACO Qmax is used in various applications. The small narrow edge rail offers only a small contact area for loads, this ensures low abrasion and therefore a long, reliable product life. Additionally, the surface does not contain any screwed or loose components which could adversely affect traffic safety.



Airport Franjo Tuđman
(Zagreb, Croatia)



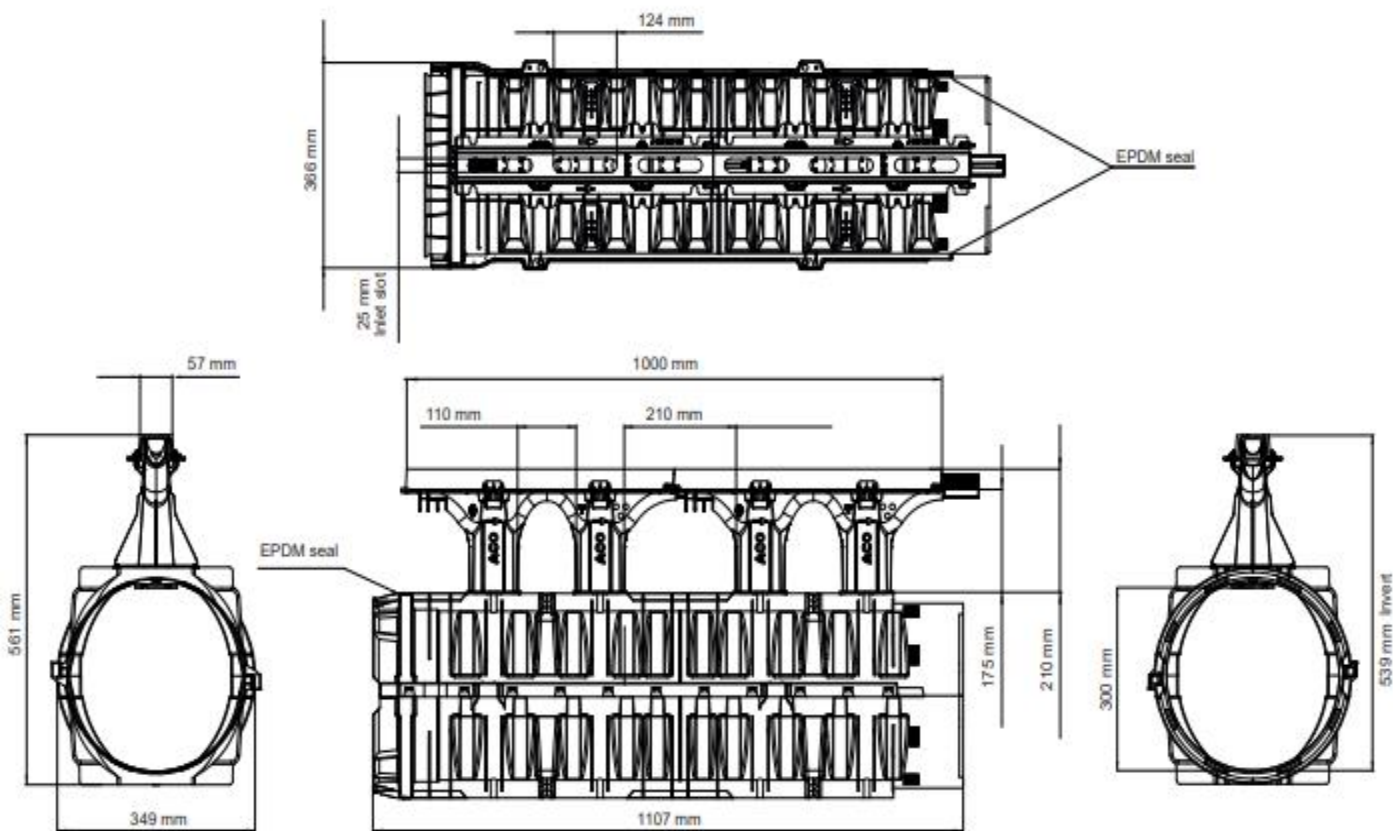
Centar Zamet (Rijeka,
Croatia)



Royal Museum Cutty Sark
(London, England)

Product information

Art. No.	Description	Length (mm)	Width (mm)	Depth overall (mm)	Slot width (mm)	Weight (kg)
157009	ACO Qmax Neo 300 channel assembly complete with ACO Neo Q-Flow cast iron edge rail	1000	366	561	25	9,8



Edge Rail



Q-Flow (Cast Iron)*		
Load class (up to)	D 400	F 900
Surface covering	Asphalt/concrete	Concrete
Slot width [mm]	26	
Intake cross-section [cm ² /m]	187	

* Other Qmax Rail options available in the existing Qmax Brochure on request. Protective Strip available for covering cast iron edge rail during the construction phase (reusable/magnetic).

Accessories

1 Installation Jig

Art. No.: 157408



NEW

2 End Cap

Art. No.: 157430



3 Double Fitting

Art. No.: 157431



4 Inlet shafts and inspection elements

Design your shaft according to your needs.

Integrated seal
for watertight
channel connection



ACO manhole cover
screwless, quiet
and durable
D 400/F 900



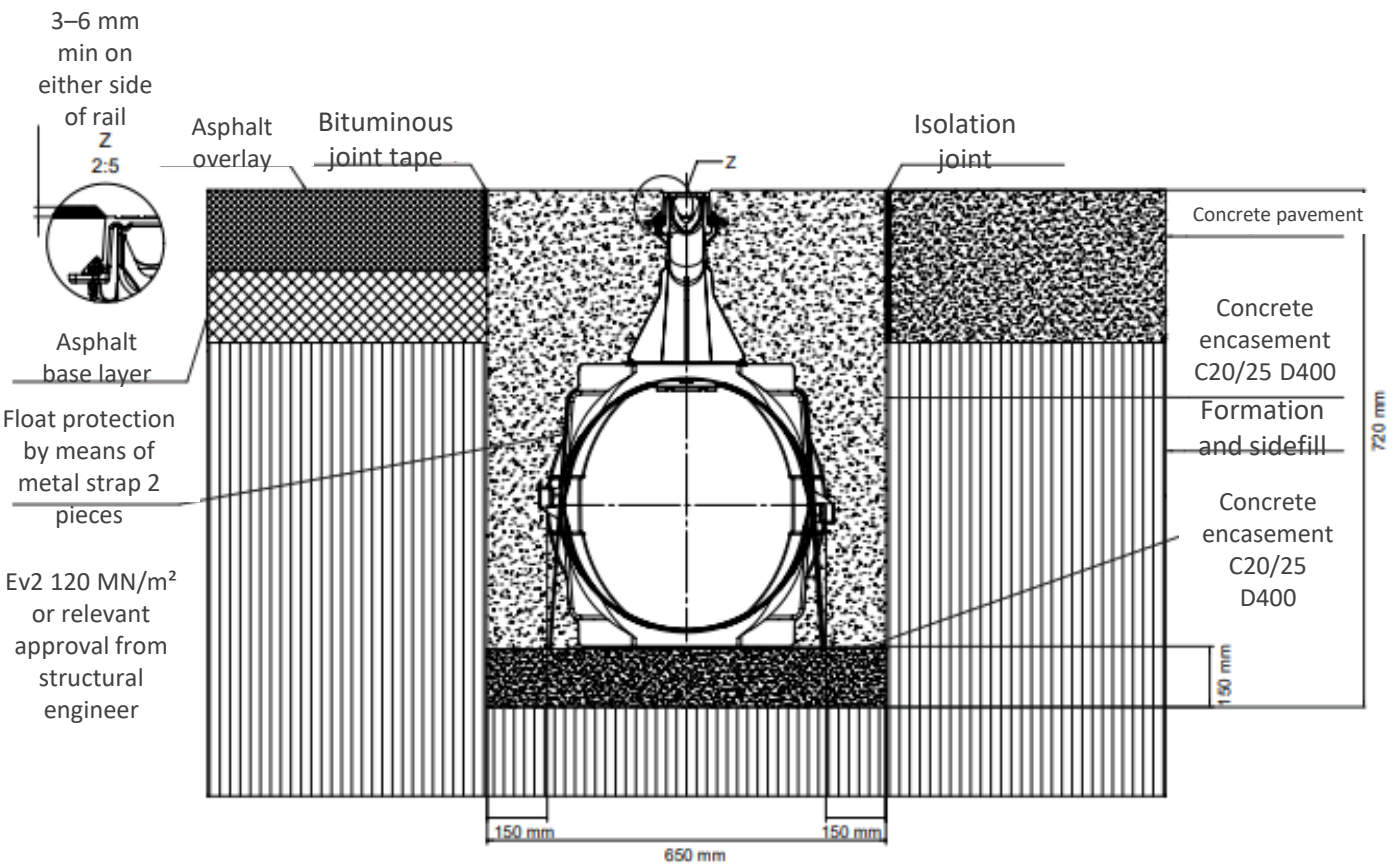
Object-related
connection adapterter for
sealed channel connection
Qmax 150 – 900
Qmax Neo 300

Supports for pipeconnection
according to your choice
DN/OD 110 – 500

Construction height and diameter
adapted to the different Nominal
sizes of the Qmax system

Installation

Drawing for D 400



Always refer to the detailed installation drawing for your specific application requirement and variant. Please contact your local ACO Service Design Team for support.

Hydraulic performance tables

The table below shows the maximum capacity of the unit Qmax Neo 300, assuming uniform lateral flow.



Qmax Neo 300

Length to outlet [m]	Q	
	[l/s]	
Slope	0 %	0,5 %
up to 10 m	45,0	55,8
up to 25 m	42,5	63,2
up to 50 m	39,7	71,0
up to 100 m	35,8	78,1
up to 200 m	30,6	85,0

Every ACO product supports
the ACO system chain



- Drainage channels
- Road and yard drains
- Gully tops
- Manhole covers
- Rainwater treatment
- Infiltration and attenuation
- Pump shafts
- Flow control systems



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