



Point drainage for every application

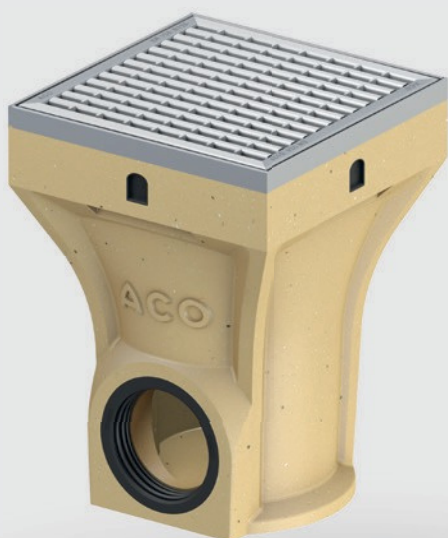
XtraPoint, Europoint, Multipoint

For classes A 15 – D 400



ACO yard and point drainage

Drains are used wherever surface water needs to be managed effectively. ACO offers suitable systems for a wide range of applications. They differ in terms of material and load capacity, so that the right drain with the appropriate cover in accordance with DIN EN 124 is available for every application. The drains are used in the areas of landscaping, road-sides and squares as well as for heavy loads.



Multipoint B 125

Drain body made of polymer concrete, optionally with cast iron and steel frame up to class B 125

Page 26



Multipoint D 400

Drain body made of polymer concrete with a cast frame, optionally in short or long form up to class D 400

Page 28



XtraPoint

Drain body made of plastic
up to class B 125

Page 10



Service offering

ACO offers you numerous services to provide you with individual support when planning your drainage.

Europoint B 125

Drain body made of polymer
concrete with microgrip
grating up to class B 125

Page 12

ACO. we care for water

ACO Group 04

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ACO. we care for water

ACO Group

The worldwide ACO Group. A strong family you can build on

The ACO Group is a world market leader in drainage technology. Climate change sets us a challenge to react effectively with innovative solutions to new environmental conditions. With its integrated approach, ACO stands for professional drainage, efficient cleaning, and the controlled discharge or reuse of water. Products include drainage channels and drains, oil and grease separators, backflow stop systems, pumps and pressure-water-tight cellar windows and light shafts.

The family-owned company headquartered in Rendsburg/Büdelndorf, Germany, was founded in 1946 on the site of the Carlshütte foundry – Schleswig-Holstein's first industrial company. It still has very strong roots in the region. The innovation strength of the ACO Group is built on intense research and development, and its technical expertise in processing polymer concrete, plastic, cast iron, stainless steel and reinforced concrete.

www.aco.com



Headquarters of the ACO
Group in Rendsburg/Büdelndorf



5,300

employees in more than 50 countries (Europe, North and South America, Asia, Australia, Africa)

1.1 Billion

Euro Sales in 2022

40

production sites in 20 countries

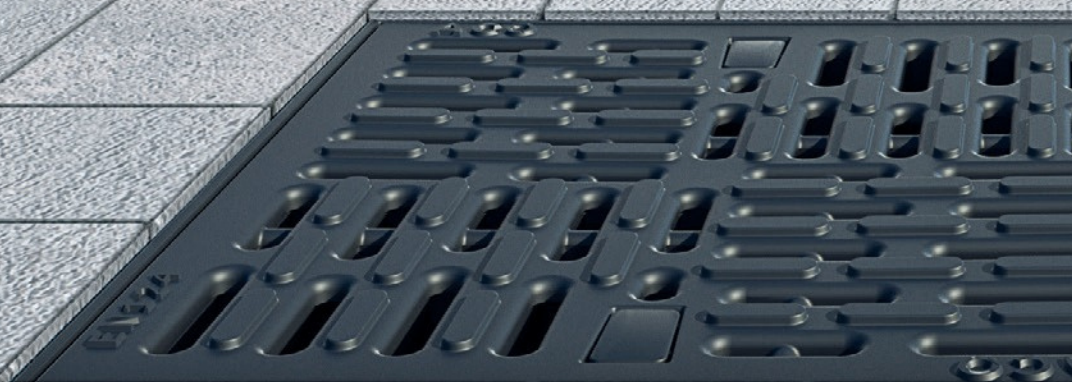


ACO Academy
for practical training

Holder
Iver and Hans-Julius Ahlmann



1





Lightweight made of plastic

XtraPoint

Paving stones, flagstones or asphalt are now the usual coverings for paving the surfaces around the house as well as the large areas around public and commercial buildings. Since these usually seal the floor, surface water cannot seep away naturally.

In order to prevent the formation of puddles, the surface finish must not only be laid professionally, it must also enable the surface water to be collected and drained off.

A simple and practical solution is the ACO XtraPoint made of plastic.



The product range with
one click:
**[aco.me/hofablauf-
xtrapoint](https://aco.me/hofablauf-xtrapoint)**

ACO XtraPoint – Lightweight made of plastic

For areas that have to be point-drained due to structural or ground conditions, the XtraPoint drains are available up to class B 125, which are very easy to install and weigh approx. 2 kg.

These point drains ensure surface water is quickly collected and drained off the installed areas. They are frost and de-icing salt resistant. Suitable application areas would include areas handling slow moving vehicles and pedestrian traffic.

Classes
n A 15 n B 125 according to DIN EN 124
Dimensions
250 x 250 mm
Material
Plastic
Efficiency
<ul style="list-style-type: none"> Water flow capacity approx. 4.5 l/ sec Drainage of approx. 150 m²
Areas of application
<ul style="list-style-type: none"> Platforms Car parking spaces Pedestrian zones, walking/ biking paths

rust-free

- Drain body made of plastic
- Permanently colourfast



excellent design

Winner iconic Award 2017:
innovative product

suitable for light vehicle traffic

- Holder for class B 125 gratings



optimised installation

- Paving edge
- Easy handling



Point drainages are also a good collection point for wastewater and rainwater in parks.

XtraPoint made of plastic with plastic grating or mesh grating (galvanized steel)

The plastic XtraPoint is trafficable by light vehicles up to load class B125. The XtraPoint has an integrated silt bucket with a handle (volume 1.1 litre). It is supplied with a lockable grating.

The modified paving edge enables direct paving. This is realised by the low-lying concrete anchor. In addition, the grates can be rotated by 90 degrees. With a weight of 2.1 kg and dimensions of 250 x 250 x 205 mm, the drain is easy to use. The DN/OD 110 outlet is arranged vertically.

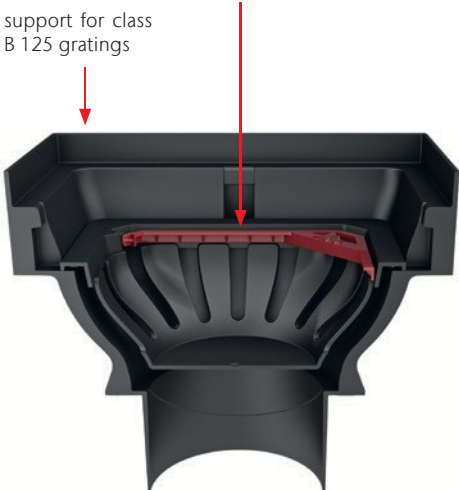
ACO product advantages

- Drain body made of plastic
- Permanently colourfast
- Incl. silt bucket (1.1 liters) and grating hook
- Class B 125
- Drains according to DIN 124-6
- With drain opening DN/OD 110

large silt bucket with handle, 1.1 liter volume



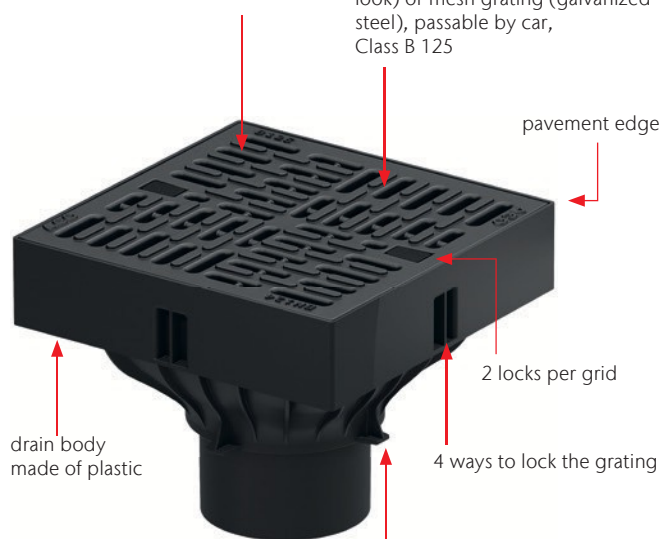
support for class B 125 gratings



90° rotatability of the grate

plastic grating (permanently rust-free look) or mesh grating (galvanized steel), passable by car, Class B 125

pavement edge



drain body made of plastic

2 locks per grid

4 ways to lock the grating

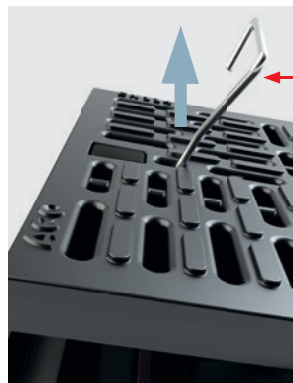
4 deep concrete anchors

DN/OD 110

10



The pavement edge enables precise work.



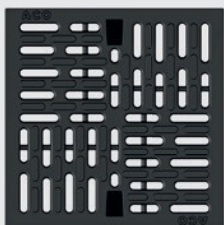
unlocking of the grate with the attached grating hook





Plastic grating

Drain body including grate of your choice



Plastic grating
Permanently rust-free
look Class B 125



Mesh grating
Galvanized steel Class B 125

250
×
250



Mesh grating

Paving stones on driveways seal the floor. A point drain allows surface water to seep away naturally.

2



All-rounder construction kit made of polymer concrete

Europoint

The ACO construction kit, the successful linear drainage system in private houses, courtyards and gardens, has been expanded to include a modular point drainage. Just like the channels, the point drainages combine high quality with aesthetic standards.

When paving stones, flagstones or asphalt seal the surfaces around buildings, rainwater and wastewater cannot seep away naturally. The frost and de-icing salt-resistant ACO point drainage offer a simple and practical solution for driveways, courtyards and larger parking areas; they ensure that surface water is collected and drained away. They also ensure reliable water intake under water taps in the garden.

With the development of the Europoint drain, ACO offers numerous individual combination options. The gratings that can be driven on by cars are visually based on the linear drainage and thus enable a uniform design. The storage concept is also based on the ACO modular linear drainage system.

ACO Europoint is characterised by a backflow-proof connection of the structural elements and a high-quality grate lock. The product meets a wide range of requirements – from simple installation to standard-compliant installation with regard to frost protection and wastewater height. Leaf catchers and silt buckets can be easily removed and cleaned.

The ACO Europoint is also a true all-rounder thanks to the extensive range of accessories for every application and installation situation, such as odour traps, attachments for height compensation and/or connection of a rainwater downpipe.

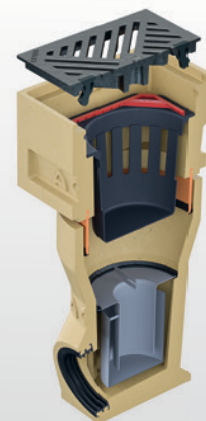
Modular system: Page 20



Application
garden Page 14/15



Application driveway
Page 16/17



Application parking
space Page 18/19

A modern garden area featuring a wooden deck, a grey brick house with large glass doors, and a paved walkway. A black ACO point drainage cover is visible in the foreground grass. A red text box is overlaid on the image.

ACO point drainage
for the garden area

In the garden area, the drainage of the sealed surface of the walkway around the house can be very easily realised with a point drainage. This point drainage also looks good in combination with a water extraction point from the ACO Rain4me series.

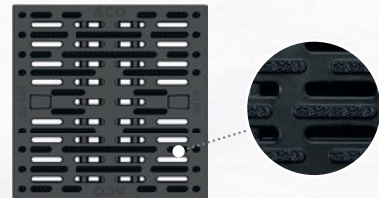


ACO Europoint Flat

with leaf trap and optional odour trap, seal water level height 50 mm, for connection to a vertical KG pipe DN/OD 110.

Non-slip microgrip grating

In the area of terraces or house entrances, smooth surfaces can quickly become slippery when wet. To alleviate this problem ACO recommends connection to a vertical KG pipe ACO Europoint Flat with leaf trap and optional odour trap, (water seal height 50 mm), to help drain areas quickly. To round off the solution, ACO also offers a slip-resistant cover for drainage systems around the house for the first time in the form of the new plastic grating with microgrip. In addition you may also wish to consider floor and surface coverings that are equipped with anti-slip surfaces.



Alternatively, there are other covers to choose from – see page 20





ACO point drainage
at the garage entrance

Water intake points and rainwater downpipes are often found near the house and the driveway to the carport or garage. With the point drain, different requirements can be solved together with one product.

The water can be taken up and discharged in a targeted manner. Leaves and dirt from the environment are collected in the integrated, easy-to-clean silt bucket. Odour nuisance from the municipal combined sewer can be avoided by a functional odour trap.

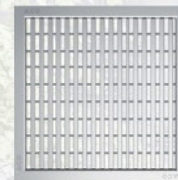
ACO Europoint Deep

with silt bucket, optional odour trap, water seal height 50 mm, Connection for KG pipe DN/OD 110, with lip labyrinth seal



Longitudinal bar grating, stainless steel

The narrow triangular profiles and a brushed surface give the longitudinal bar grating a particularly elegant appearance – matching the cover of the ACO Euroline drainage channel. It is also made of high-quality stainless steel and is therefore extremely durable.



Alternatively there are more covers to choose from - see page 20



ACO Europoint Deep

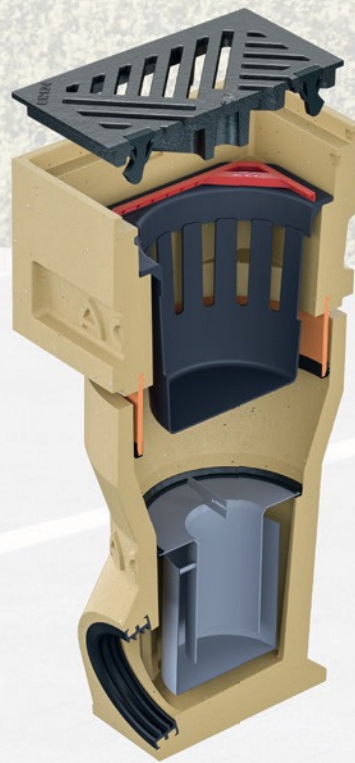
with top box for horizontal connection of a KG pipe DN/OD 110.



ACO Europoint Deep/Round
with an intermediate element

ACO point drainage
in the car-driven area

Complex installation situations often arise in car-traffic areas of larger residential complexes in which standard-compliant installation defines frost resistance and sufficient sealing water heights in odour traps. ACO point drainage offers the right solution for this. In addition, the point drainage can be adapted very precisely to the surface thanks to its adjustable attachment. The extremely robust cast grate, which can be driven over by cars, rounds off this functional product.



ACO Europoint Deep/Round

with silt bucket, optional odour trap, water seal height 100 mm and lip seal ring. The ACO Europoint is optimally adjustable (in height, inclination and 360° rotatable). Standard-compliant frost-proof installation (depth >800 mm) is possible with two intermediate configurable parts.



3% inclinable



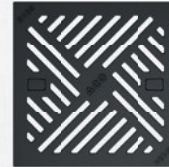
360° rotatable



30 mm height adjustable

Cover grating cast iron class B 125

A classic in the ACO grating range. The robust material and the striking design has always been its quality mark. The cast grate is particularly suitable for the busy area.



Alternatively, there are other covers to choose from – see page 20

ACO Europoint construction kit

gratings



B 125

Mesh grating

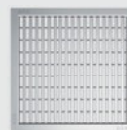
galvanized steel, item no. 319626



A 15

Mesh grating

plastic, item no. 319621



A 15

Longitudinal bar grating,

stainless steel, item no. 319622



B 125

Grating in radiant design

cast, item no. 319624



DETAIL
PRODUCT AWARD
WINNER 2020

B 125

Voronoi grating

cast, item no. 319672



B 125

Grating with microgrip

plastic, item no. 319623

optional:
frame



design reversible frame
with stainless steel edge

suitable connection to the grates
item no. 319646

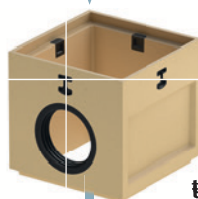
upper part

upper part

for drain body, with
socket, DN 200
Height 227.5 mm
item no. 319602



optional:
top box



top box

with downpipe connection, with lip labyrinth seal, DN/OD 110
Height 243 mm
item no. 319607



intermediate part

for round gully bodies
(max. 2 pcs. for standard-compliant installation)
Height 290 mm
item no. 319606



optional:
intermediate part



drain body fl at

with socket for connection
of KG pipes DN/OD 110
252x252x227,5 mm
item no. 319601



drain body deep

with connection for
KG pipes DN/OD 110, with
lip labyrinth seal (LLD)
252x252x398 mm
item no. 319604



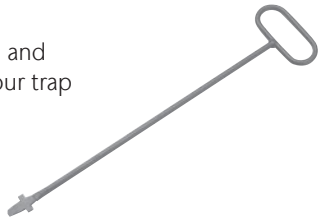
drain body deep/round

in connection with upper
part, with connection for KG
pipes DN/OD 110, with LLD
240x240x360 mm
item no. 319605

optional:

acesories

Grating Hook
to lift off the grate and
removing the odour trap
item no. 319655



Sealant ACO Waterseal
sealing the intermediate parts,
300 ml
item no. 74520



Silt bucket
2.6 l
item no. 319482



Leaf catcher
1.1 l
item no. 319483



Odour trap
seal water level 100
mm item no. 319643



Seal water level 50
mm item no. 319642



Seal water level 50
mm item no. 132493



Seal water level 40
mm item no. 01509



complete item



with plastic mesh
grate 30/10
item no. 319668



with plastic grate
with microgrip
item no. 319670



with cast iron grate
item no. 319663



with galvanized
steel mesh grate
item no.
319662

- Drain body deep including grate and silt bucket
- Design frame for elegant surfaces solution available separately
- Separate odour trap made of stainless steel available
- I x w x h:
252 x 252 x 400 mm
252 x 252 x 404 mm (with cast iron grate)

3





Modular platform

made of polymer concrete

Multipoint

The areas of application for point drainage are diverse: Point drainages are often installed in classic gardening and landscaping applications, where, in addition to the actual function, the design aspect is particularly decisive for the selection of the product.

But point drainages are also used in the transition to application with higher loads, such as in inner-city areas with occasional delivery and truck traffic.

The ACO Multipoint combines these requirements in a new modular platform. The platform is characterised by design options with different grates or frames and is also supplemented by a significantly more robust drain variant for applications up to class D 400.



The product range with
one click:

aco.me/multipoint

ACO Multipoint – modular platform made of polymer concrete

The ACO Multipoint construction kit combines high quality with aesthetically pleasing finishes and sets new standards in the field of point drainage. Drains made of frost and de-icing salt resistant ACO polymer concrete offer numerous options: You can choose between drain bodies for classes B 125 or D 400, different frame designs made of cast iron or galvanized steel and flexibility in the installation depth.

The modular system is rounded off by numerous gratings for individual aesthetic requirements as well as a wide range of accessories (odour traps, intermediate parts for height adjustment or attachment boxes for connecting a rainwater downpipe). This means that point drainages are available for every application and installation situation.

Classes
n B 125 n D 400 according to DIN EN 124
Dimensions
300 x 300 mm
Material
Polymer concrete with cast frame or galvanized steel frame
Efficiency
Multipoint B 125/D 400 long form: <div> <div></div> Water flow capacity approx. 4,5 l/sec Drainage of approx. 200 m² </div>
Multipoint D 400 short form: <div> <div></div> Water flow capacity approx. 6 l/sec <div></div> Drainage of approx. 250 m² </div>
Areas of application
<div> <div></div> Platforms <div></div> Car and truck parking spaces <div></div> Pedestrian zones, footpaths, cycle paths </div>



D 400

Application areas with truck traffic require a robust process.

flexible
construction
kit



A passable drain is used for multi-family houses with car traffic.
Here with an additional connection of a downpipe using the attachment box.

Multipoint B 125, optionally with cast iron and steel frame

The ACO Multipoint B 125 yard drain made of polymer concrete offers a point drainage system for outdoor areas up to class B 125. This system can be installed in just a few simple steps and meets the highest requirements in terms of workmanship and appearance. The drain body is available in versions with a cast-in cast or galvanized steel frame. Visually, the program is rounded off with different gratings that offer a variety of design and security options.

ACO product advantages

- Screwless grating-lock – Drainlock
- Grate rotatable by 90 degrees for optimal optical alignment
- Large selection of gratings for your application
- Optionally with cast-in cast iron or steel frame
- 10-cm paving edge for clean and easy work on
- Integrated bucket
- With integrated seal for watertight connection
- Odour trap available as an accessory



variable building blocks

- n Top box for additional downpipe connection
- n Optional odour trap

aesthetic design

- Optionally with steel or cast iron frames
- Large selection of gratings, design variants and material
- Grates can be rotated by 90 degrees



wide range of cast iron and galvanized steel grills

safe application

- Cast-in seal for watertight connection
- Drain body can be completely drained
- Non-slip grating surface
- Screwless grating lock – Drainlock



integrated bucket

optional odour trap

Multipoint D 400 with cast frame and optionally in short or long form

The ACO Multipoint D 400 yard drain is available as a long version for simplified installation (can be rotated 360 degrees, tilted 3%, height adjustable by 30 mm) and as a short version for particularly shallow installation depths. Both drain bodies are particularly robust and can be directly attached up to class D 400.

ACO product advantages

- Screwless grating lock – Drainlock
- Grate rotatable by 90 degrees for optimal visual alignment
- Large selection of gratings for your application
- Robust drain body for loads up to class D 400
- 8 cm paving edge for clean and easy work on
- Long version
 - Flexible and simplified installation because it can be rotated, tilted and adjusted in height
 - With integrated seal between top and bottom
- Short version
 - for low installation depth
- Integrated bucket

28

drain
body short
form

robust cast frame for
clean pavement edges

screwless locking,
vandalism and theft-proof

drain body
made of durable
ACO polymer concrete



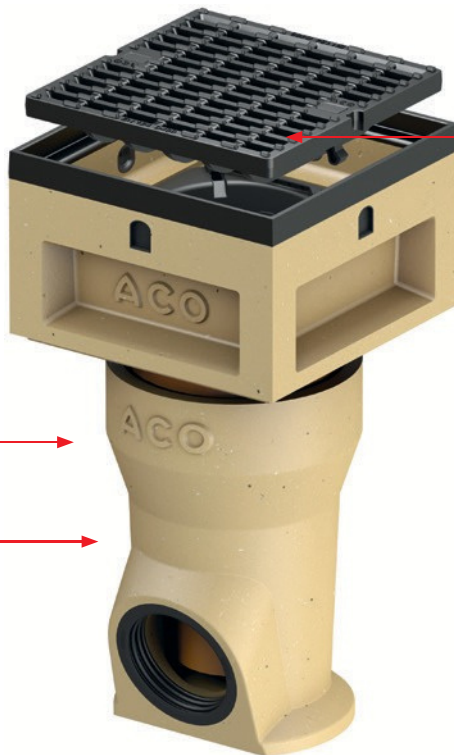
flexible structure

- Modular design
- Short form for special low installation situations
- Expandable version as a long form

sturdy parts

- Reinforced drain body
- Robust cast-in Cast iron
- Class D 400
- Drain according to DIN EN 124

drain
body long
form

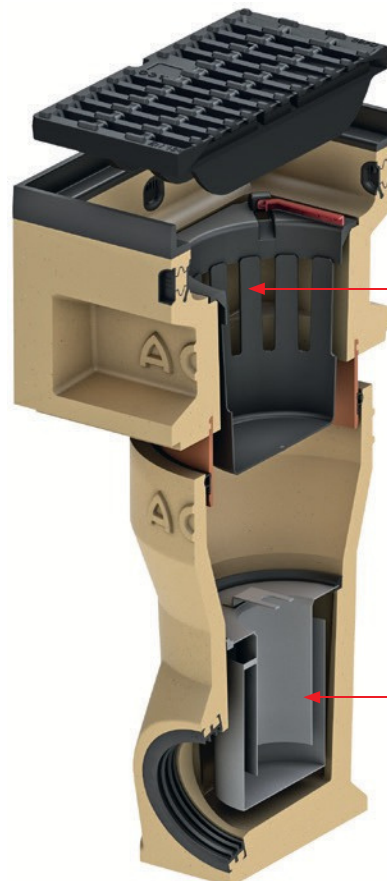


large selection of grates
cast iron and galvanized steel
up to class D 400

flexible design
thanks to
modular design

convenient installation

- Tiltable by 3 %
- Rotatable by 360 degrees
- Height adjustable by 30 mm
- Can be paved directly up to class D 400

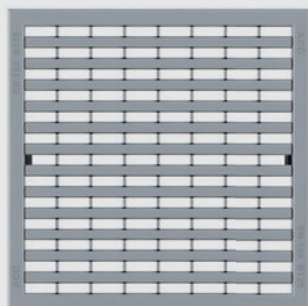


integrated
bucket

optional
odour trap

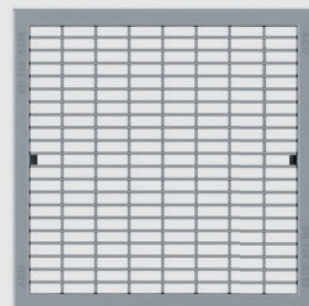
ACO Multipoint construction kit

gratings



Longitudinal profile grating
galvanized steel
item no. 152911

B 125



Mesh grating
galvanized steel
item no. 152910

B 125

optionally: odour trap

- Seal water level 40 mm
item no. 01509



- Seal water level 50 mm
item no. 319642



- Seal water level 100 mm
item no. 319643



B 125

optionally: top box

**attachment box for
downpipe connection**
optionally with steel or cast
frame, with lip labyrinth seal,
DN/OD 110



item no.
152920



item no.
152921

complete item



with cast grate
item no. 152902

B 125

drain body



item no.
152902



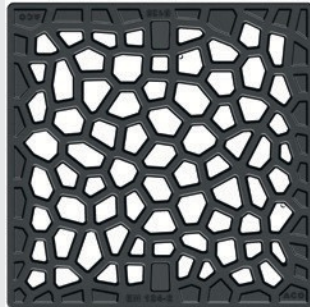
item no.
152903

B 125

drain body
optionally with steel or sprue,
with connection for KG pipe
DN/OD 110, with lip labyrinth seal



Grating in radiant design
cast iron
item no. 152912 **B 125**

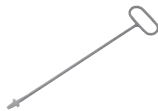


Voronoi Grating
cast iron
item no. 3005514 **B 125**



Mesh grating
cast iron
item no. 152913 **D 400**

- Grating Hook
to lift off the grate and
removing the odour trap
item no. 3000679



- Polyester glue
item no. 02163



- Filter bag for silt
bucket item no. 16129



complete item



with cast iron
grate item no.
3007785

D 400

D 400

optionally:



intermediate
part

to increase the
installation depth
item no. 319606



Short-form drain body
with socket for KG pipe
DN/OD 160
item no. 152901

D 400



long-form drain body in
connection with upper part, with
connection for KG pipe DN/OD 110,
with lip labyrinth seal
item no. 152906

D 400

Handling in practice

Application example of the Multipoint system



Multipoint D 400 with a cast frame in the short version



Alignment of the drain body in the concrete bedding



Direct processing of the pavement



Built-in 3-5mm raised
Plaster around the drain body



Insertion of the cover grating. The grate is secured after the lock engages.



Jerky lifting of cover grid with the help of grating hooks



This version can be driven on up to class D 400



Accessories

for the Multipoint system

- n Odour trap
 - o optional
 - o stainless steel with all-around seal
 - o optionally with seal water level of 50 mm or 100 mm
- n Top Box
 - o for additional connection
- a downpipe
 - o class B 125
 - o optionally with steel or cast iron frame
 - o with seal for watertight connection

optionally:

odour trap



Retrofittable odour trap

optionally:

top box



optionally:

grating hook



always integrated:

silt bucket



Easy handling of the silt bucket for regular cleaning

Further areas of application for point drainage

For selective drainage solutions in heavy-duty areas and for use in areas with water-polluting substances, we recommend our PointDrain E–F up to class F 900.

For road drainage, we recommend our flexible, lightweight, modular design: Combipoint road gullies made of plastic.



← **ACO PointDrain E–F**
for classes E 600 – F 900, made of polymer concrete with cast iron grid, execution with lip labyrinth seal (LLD)



↑ **ACO Combipoint PP road gullies**
for classes C 250 – D 400, made of plastic with cast iron top and grating, height-adjustable, rotatable, titable

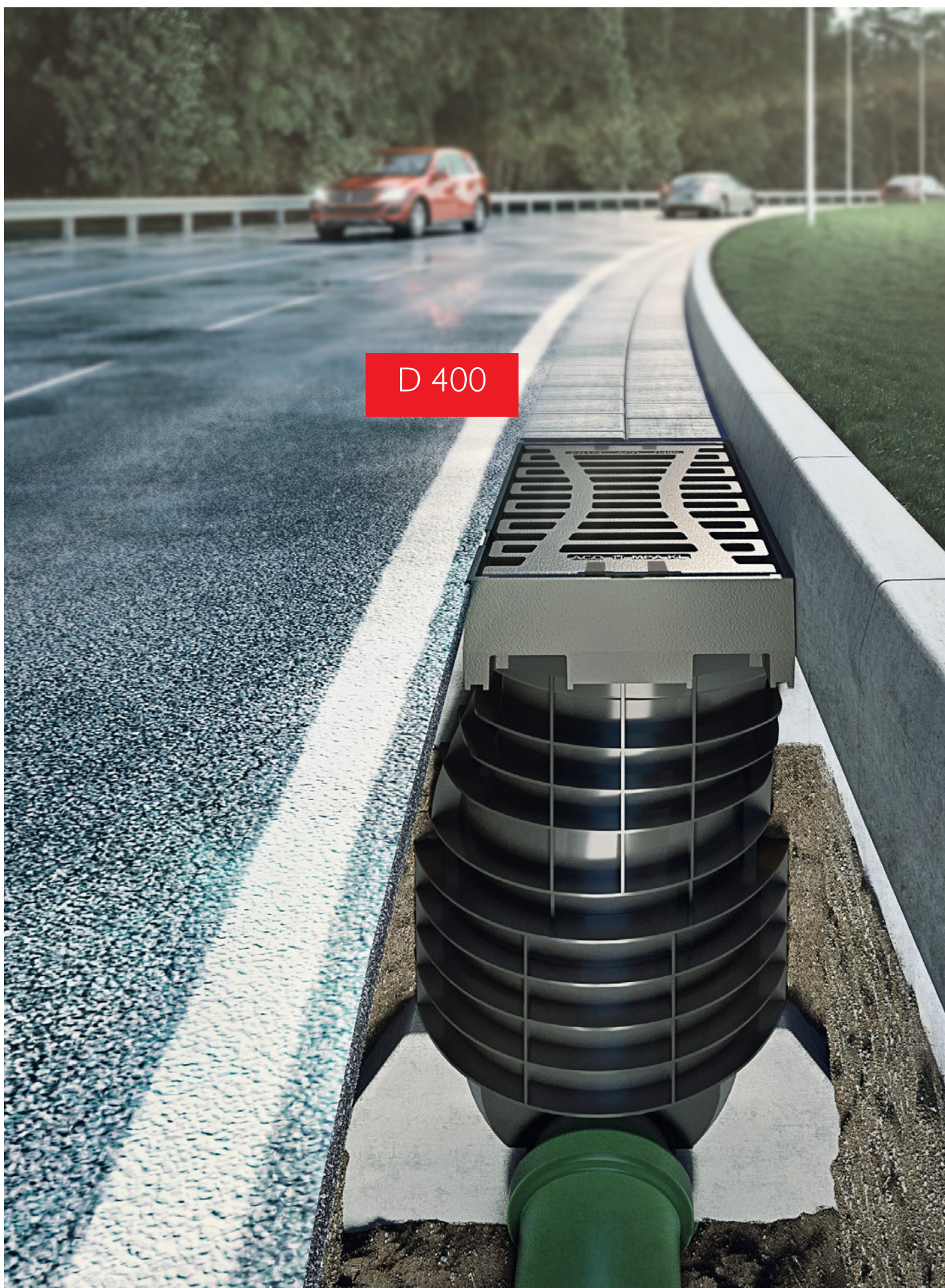


ACO streets drainage
C 250 – D 400
online information



ACO Point and
separation process
E 600 – F 900
online information





ACO. we care for water

Intelligent drainage systems from ACO increasingly use smart technology to ensure that rainwater and wastewater are drained, or temporarily stored. With innovative separation and filter technology, we prevent water contamination. We accept the challenge of reusing water, and thus establishing a resource-saving cycle.

ACO Systems Fze

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