

External Drainage

ACO point drainage – removing water is a point not to be missed



ACO point drainage systems are ideal for surfaces which require point drainage for structural or topographical reasons.



ACO DRAIN® point drains

Yard drain made of polymer concrete, topside cast iron frame, inset cast iron grid and Point-lock boltless locking system for load classes up to B 125.

Typical applications

- Roads, paths, piazzas
- Car parks
- Railway platforms
- School yards
- Industrial areas
- Airports

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ACO road gully Combipoint

ACO road gully Combipoint protects the mortar joints from damages by traffic load, sinking of gully grating and cracking of surfaces.

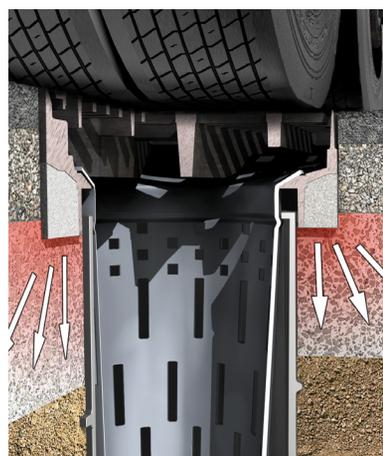


Typical applications

- Kerbs
- Traffic lanes
- Car parks and industrial surfaces
- School yards
- Pedestrian zones

Benefits

- no direct load transfer in the gully unit
- one-piece, permanently sealed gully
- no mortar joints
- reduction in construction costs
- simpler and easier installation
- no repair costs





ACO riser units Multitop

The new riser unit designs for class C 250 to D 400 Multitop storm water discharges feature long service lives, easy handling and simple maintenance. The frames and grates are made of cast-iron. The most important detail is the unbreakable maintenance-free double hinge which allows the grid to be folded out to around 115 degrees on either side or completely removed. 4-point vibration absorption integrated within the frame reduces rattling noises. Other features include the low weight of the grate and the easy to operate grate securing system using a boltless non-corroding spring lock for the first time. Because the system is self-locking, there is no danger of vandalism.



The riser units Multitop are available with a channel or flat profile. Available in two universally applicable dimensions.
 300 x 500 channel shape and flat shape.
 500 x 500 channel shape and flat shape.
 In accordance with EN 124/DIN 1229.
 The riser units match all discharge combinations in accordance with DIN 4052.

Typical applications

- Kerbs
- Traffic lanes
- Car parks and industrial surfaces
- School yards
- Pedestrian zones

ACO Bridge discharge systems

High specifications are laid down for bridge drainage systems because of the greater risks to traffic and the need to protect expensive infrastructure. Bridge drainage systems also have to match the special features of bridge construction such as reinforced concrete bridges, and special construction measures such as timed shifting when constructing large steel bridges. ACO bridge discharge systems fulfil these requirements:

- They comply with class D 400 in accordance with EN 124
- The grate is firmly fixed into the frame with a hinge
- The grates are locked or bolted to prevent unauthorised opening



Bridge discharge for gravel bridges.



Bridge discharge for steel bridges.



Bridge discharge for reinforced concrete bridges, HSD-5.



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ACO SELF®

ACO GALA® point drainage

Load classes A 15, B 125 according to EN 124

Garden gully with the frame and grating made of cast-iron, load class B 125

	building length cm	building width cm	building height cm	kg/ pcs.	pcs./ pallet	order No.
Garden gully, the frame and grating made of cast-iron, foul air trap, silt basket	30,0	30,0	44,0	25,6	12	10500
Garden gully, cast-iron frame mesh grating MW 30x15, galvanised steel, foul air trap, silt basket	30,0	30,0	44,0	22,6	12	10501

Superstructure for the extension of the height

Superstructure	28,5	28,5	25,0	10,1	24	02716
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Levelling element for the adjustment of the building height of the sump unit to the surface plane

Levelling element	28,5	28,5	6,0	5,1	60	02717
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Garden gully made of polymer concrete, cast-iron frame and grating made of cast-iron, a basket (PP), pre-forming with the NBR-O-ring for the outlet DN 100, and removable FAT



Garden gully made of polymer concrete, cast-iron frame and grating made of galvanised steel – mesh, a basket (PP), pre-forming with the NBR-O-ring for the outlet DN 100, and removable FAT



Superstructure made of polymer concrete for the garden gully for the extension of building height, pre-forming DN 100 for connecting the rain down pipe – side inflow



Levelling element for the adjustment of the building height of the sump unit to the surface plane

ACO SELF® surface drainage, cars can move through this drainage system

Garden gully with covering grating

	building length cm	building width cm	building height cm	kg/ pcs.	pcs./ pallet	kg/ pallet	order No.
Garden gully, galvanised steel grating, outlet DN 100, foul air trap, silt basket (PP black)	25,0	25,0	35,0	14,0	24	336	01581
Garden gully, cast-iron grating, outlet DN 100, foul air trap, silt basket (PP black)	25,0	25,0	36,0	19,0	24	456	01552

Extension for the Garden gully

Extension	25,0	25,0	20,0	5,7	36	205	02102
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Garden gully for connecting the rain down pipe

Garden gully, galvanised steel grating, outlet DN 100, foul air trap, silt basket (PP black)	25,0	25,0	55,0	19,7	12	236	01581 + 02102
Garden gully, cast-iron grating, outlet DN 100, foul air trap, silt basket (PP black)	25,0	25,0	56,0	24,7	12	296	01552 + 02102



Garden gully made of polymer concrete with the grating of the galvanised steel, plastic basket (PP), pre-forming for outlet DN 100, the sleeve piece*) DN 100 and removable FAT



Extension made of polymer concrete for the garden gully for the extension of the building height, pre-forming DN 100 for connecting the rain down pipe



Garden gully made of polymer concrete for connecting the roof down-comer, the grating made of cast-iron, plastic basket (PP), pre-forming for outlet DN 100, removable FAT, pre-forming DN 100 for connecting the rain down pipe