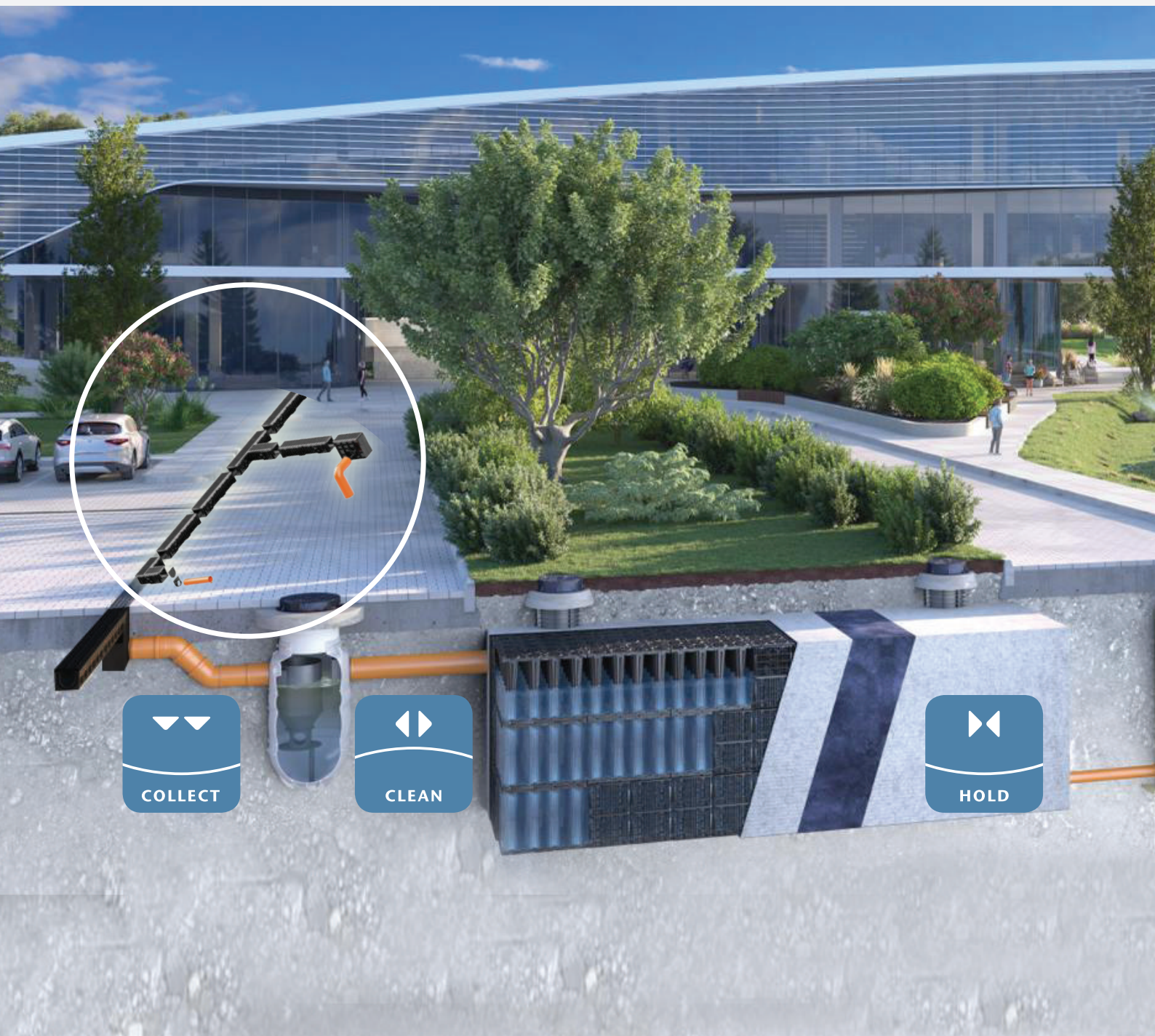




# ACO Drainage System

Xtraline , Hexaline





#### Note

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

[www.aco-malaysia.com](http://www.aco-malaysia.com)



# 1

## ACO. we care for water

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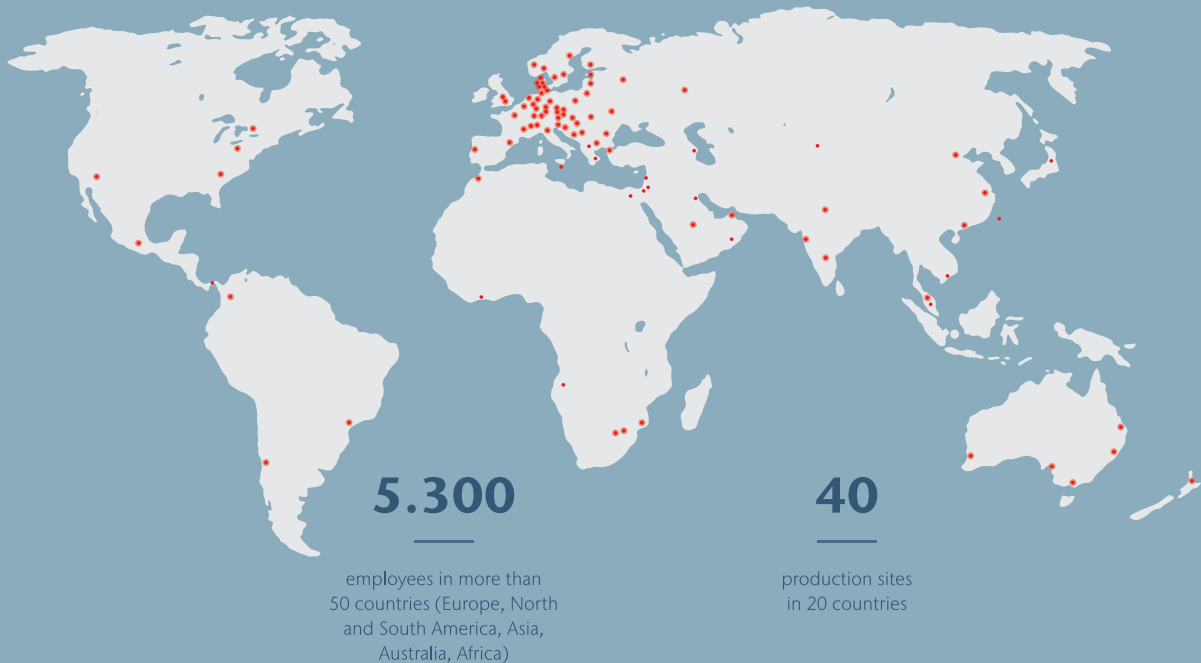
# ACO. we care for water

## 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/Büdeltsdorf, Germany, was founded in 1964 on the site of 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-malaysia.com](http://www.aco-malaysia.com)



4



Holder  
Iver and Hans-Julius Ahlmann



Headquarters of the ACO Group  
in Rendsburg/Büdeltsdorf



# Current Solutions

## Problems :

- Costly; complex, time-consuming installation.
- Impractical; uneven surface.
- Increased maintenance costs; poor access, extra structures
- Inefficient performance; ponding and blockages.
- Deeper pipe inverts; conflict with underground services.

## Common Issues :

- Time-consuming and costly installation.
- Low quality finish
- Poor tolerances
- Poor durability
- Surface level differences
- Cracks in concrete
- Unsecured gratings
- Rattling gratings
- Rusted gratings







**Class A, 15 kN, 0.9 t wheel load**  
Private areas, Parks, Pedestrian zones



**Class B, 125 kN, 7.5 t wheel load**  
Public areas, Garage entrances, Car parks



**Class C, 250 kN, 15 t wheel load**  
Market squares



**Class D, 400 kN, 24 t wheel load**  
Streets (alongside), Commercial areas

















**Class E, 600 kN, 36 t wheel load**  
Industrial yards, Container yards, Ports



**Class F, 900 kN, 54 t wheel load**  
Airports, Race tracks

## Product selection by Load Class

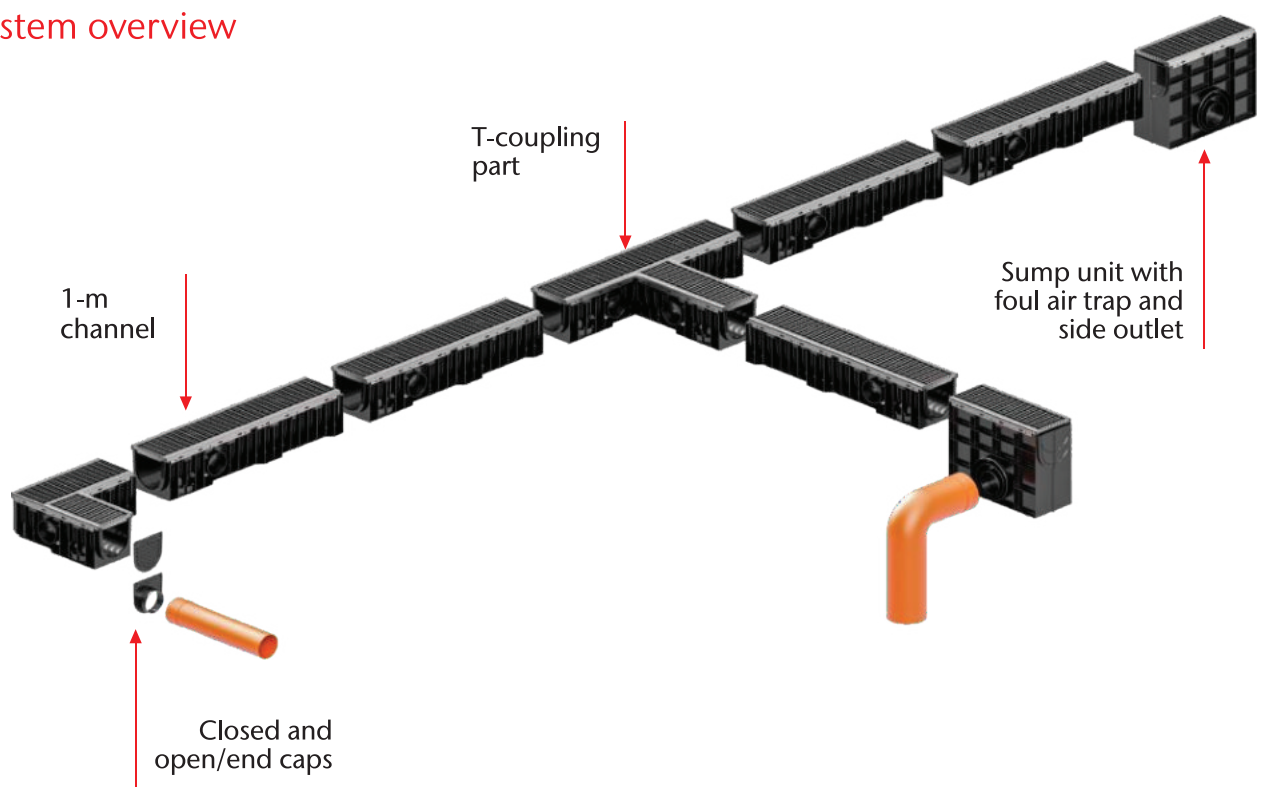
Product selection  
by Load Class

		Material Internal Height					Material of edge rail			Load Class						refer to page
		55	80	100	160	250	edge rail	bolt nuts	brickslot	 A15	 B125	 C250	 D400	 E600	 F900	
Extraline G (heavy duty)																
ACO Xtraline G200				✓	✓	✓	✓	✓					✓	✓	✓	10
Extraline C (medium duty)																
ACO Xtraline C 200				✓	✓	✓	✓	✓		✓	✓	✓				18
ACO Xtraline C 100		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓				14
Extraline (economical)																
ACO Xtraline 200				✓	✓	✓		✓	✓	✓	✓	✓				26
ACO Xtraline 100		✓	✓	✓	✓			✓	✓	✓	✓	✓				22
Extraline (affordable)																
ACO Easyline H90 (H90XW125)									✓	✓	✓					30
ACO Easyline H50 (H50XW125)									✓	✓	✓					34
Hexaline																
ACO Hexaline									✓	✓						38



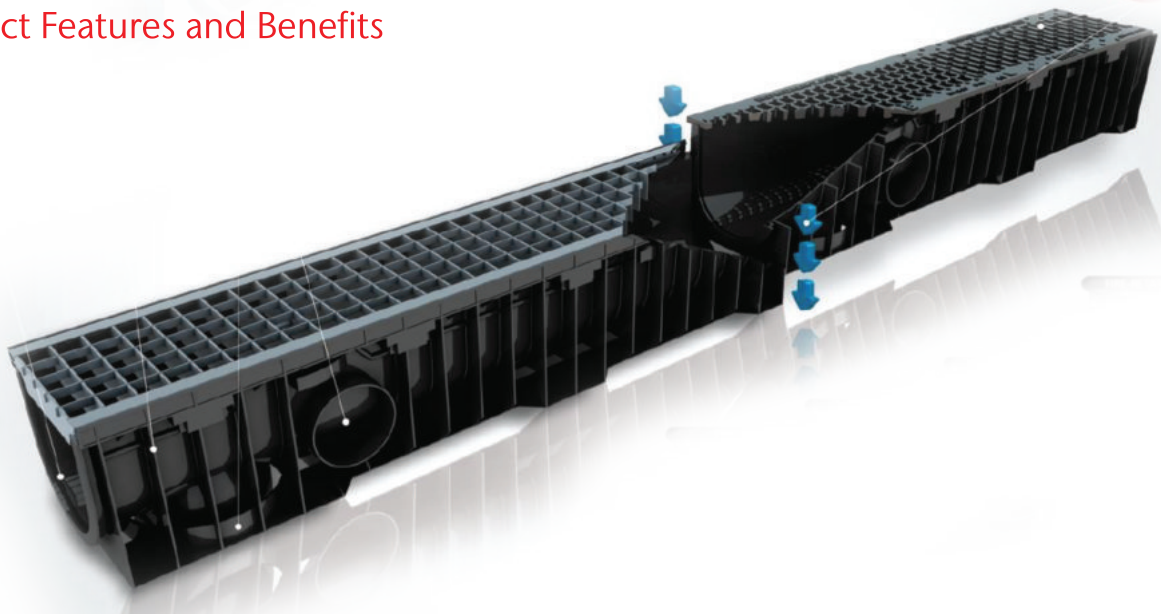


## System overview





## Product Features and Benefits



### SMOOTH AND WATERTIGHT SURFACE

The smooth and impermeable surface guarantee the maximum water flow.



### DURABLE

PE-HD is affected more slowly by degrading agents such as light, wind, dust, pollutants, micro-organisms and extreme environments.



### EASY TO CONNECT

The smooth waterproof surface lets the water flow quickly away and is easier to clean, thus preventing the formation of pesticide residues.



### STRONG

PE-HD is very resistant: mechanically, to impact, to temperature changes, to friction and to wear. So there is no loss of material during transport and installation.



### EASY TO TRANSPORT & STOCK

The special design optimize the transport and shipping, taking less warehouse space during the stocking.



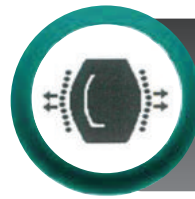
### UV RESISTANT

The HDPE used for the channels is additivated with black colour master that guarantees the long life resistance again the UV ray.



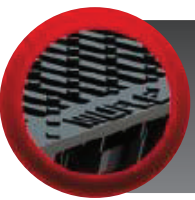
### QUICK INSTALLATION

The Lightness make the installation fast and simple. It is not request any machinery



### THERMAL EXPANSION

The HDPE thermal expansion coefficient is higher than the concrete coefficient.



### MALE – FEMALE JOINT

The connection between different channels is guarantee with male-female joint.



### SAFETY

All the channels and gratings are tested in notified laboratory according EN1433.



### Benefits :

50% cost savings on installation



### RECYCLABLE

All PE-HD channels are completely made from recycled material, witch is itself 100% recyclable.



# ACO Xtraline G



Class D



Class E



Class F

**ACO Xtraline G**, is dedicated to industrial areas, and heavy vehicles intent on carrying out productive activities. The channel body is completely made of HD-PE and the ductile iron rail is firmly integrated.

The ductile iron rail GJS 500/7 makes the **ACO Xtraline G** unique; in addition to being extremely strong due to its generous thick-ness (6 mm) in the areas subject to vehicular traffic and in the support area of the grating, it is capable of challenging time with its intrinsic qualities of resistance both to traffic and atmospheric severe conditions. The complete system is suitable and certified up to load class F 900. Gratings are stable in place thanks to 4 M8 nuts every 50 cm.

## Typical applications

- Areas subject to loading/unloading of goods; container handling with transit of forklifts and truck
- Parking areas with high and constant traffic
- Roads and highways
- Viaducts
- Petrol stations
- Industrial areas
- Port and airport areas





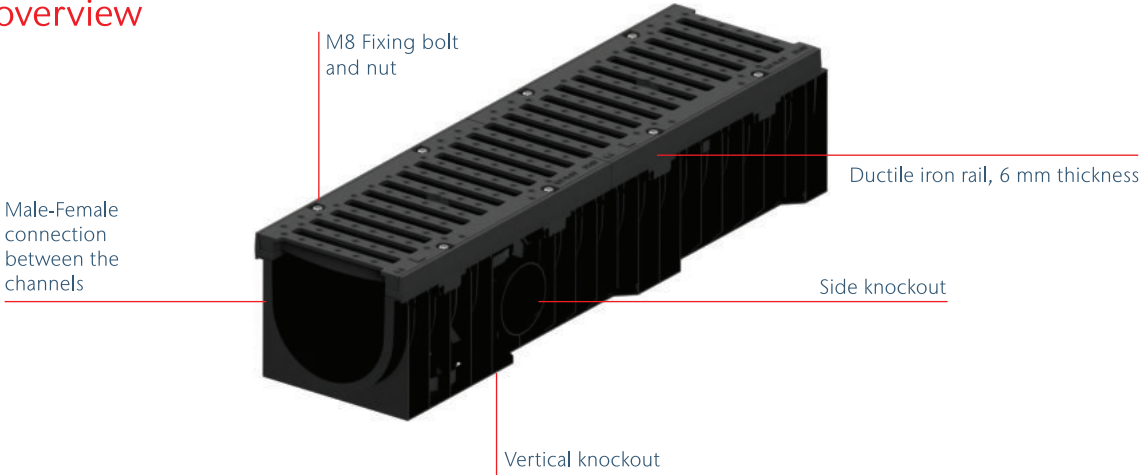
# ACO Xtraline G 200

## Product Information

- HD-PE drainage channel, internal width: 200 mm
- Ductile iron rail
- Load class D400, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



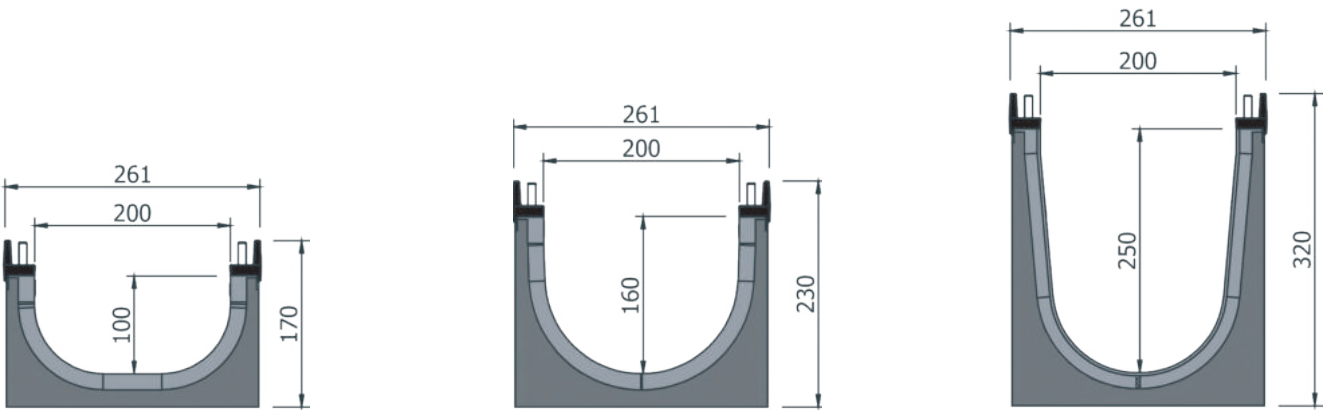
## System overview



## ACO Xtraline G 200 channel with ductile iron rail


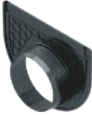


Length 1000 mm, total width 261 mm

10

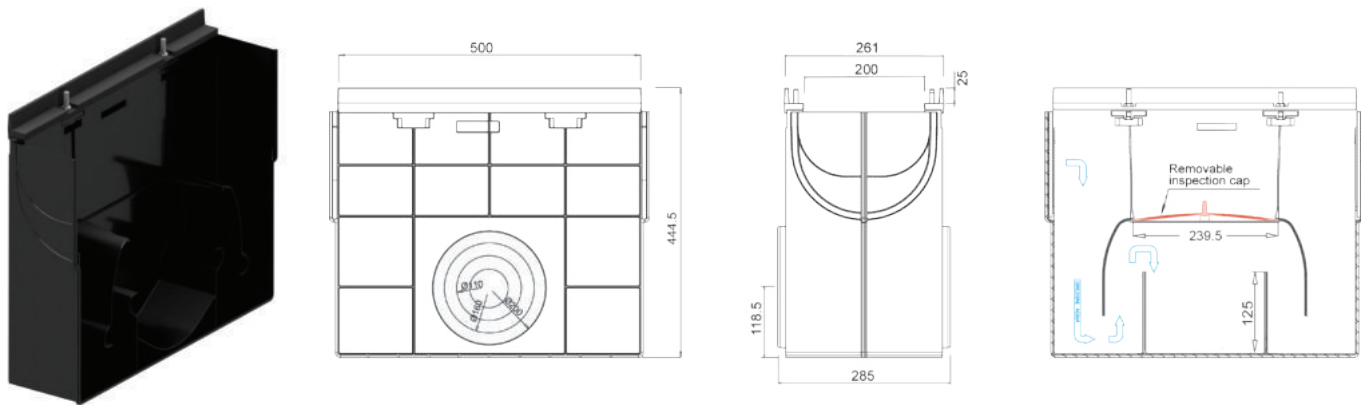


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Ductile iron
[mm]	[mm]	[mm]	[mm]	[kg/pz]		Article number
Channel with vertical outlet Ø200/160						
170	100	2 x Ø63	1 x Ø200/160	9,05	32	840255
230	160	2 x Ø110	1 x Ø200/160	9,65	24	840256
320	250	2 x Ø160/200	1 x Ø200/160	11,20	16	840257

# ACO Xtraline G 200 channel gratings

Image	Description	For channel internal height [mm]	Material	Article number
	Closed end-cap	100	PE	840919
		160	PE	840920
	Ø75 outlet end-cap	100	PE	840950
	Ø110 outlet end-cap	160	PE	840923
	Closed end-cap with Ø160 knockout	250	PE	840924
	Step connectors from 100 mm to 160 mm	-	Composit	840917
	Step connectors from 160 mm to 250 mm	-	Composit	840918

# ACO Xtraline G 200 sump unit with ductile iron rail

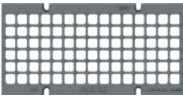






Description	Material	Height	Width	Length	Ø Side Outlet	Weight	Ductile iron
		[mm]	[mm]	[mm]	[mm]	[kg/pc]	Article number
Sump unit with female- øfemale connection	PE	444,5	261	500	2xØ110 2xØ160 2xØ200	9,40	840944 <sup>(1)</sup>

It is not designed for connection to H250 channels



## ACO Xtraline G 200 channel accessories

Image	Description	Fixing system	Width	Length	Slot/Mesh	Weight	Article number
			[mm]	[mm]	[mm]	[kg/pc]	
<b>D 400</b>							
	Ductile iron square mesh	M8 nuts (not included)	248	498	24 x 25	8,50	840504
	Ductile iron slot 20	M8 nuts (not included)	248	498	182 x 20	8,20	840410
<b>E 600</b>							
	Ductile iron slot 20	M8 nuts (not included)	248	498	182 x 20	9,70	840412
	Ductile iron solid top cover	M8 nuts (not included)	248	498	-	12,00	840413
<b>F 900</b>							
	Ductile iron slot 20	M8 nuts (not included)	248	498	182 x 20	10,50	840414

## ACO Xtraline G 200 grating accessories

Description	Material	Valid for	Article number
M8 Nuts	Galvanized steel	ACO Xtraline G 200 ductile iron gratings	840824 <sup>(1)</sup>

<sup>(1)</sup>Valid for 1 meter of channel



# ACO Xtraline C



Class A



Class B



Class C

**ACO Xtraline C** is a practical and flexible drainage system. The channel body is completely made of high-density polyethylene with an inbuilt rail that ensures protection to the gratings, even without steel.

The large range of gratings makes it possible to customize the drainage line; different designs and, multiple material like galvanized steel, stainless steel, ductile iron, PP-PE and polyamide are all available.

L-shaped SlotTops are available on request. This product range is particularly suitable for civil applications, pedestrian areas and private parking areas.

**The ACO Xtraline C 300**, with an internal width of 300 mm and 1.5 meters length, is the best solution for large surface drainage applications.

## Typical applications

- Residential areas
- Pedestrian areas
- Parking with limited and slow traffic
- Pavements
- Roadside drainage systems
- Soccer fields
- Athletics fields

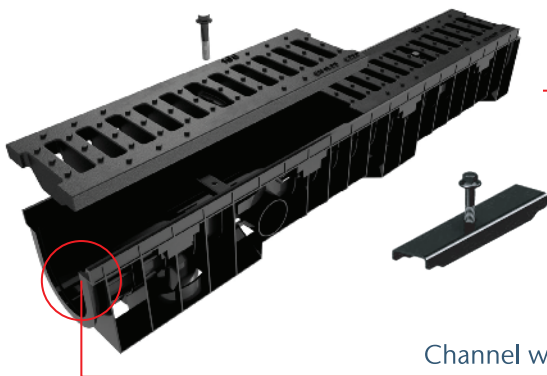




# ACO Xtraline C 100

## Product information

- HD-PE drainage channel, internal width: 100 mm
- HD-PE rail
- Load class A15, B125 and C250, according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channel H55 and H80 mm; knockout on all other sized
- Wide range of gratings
- Galvanized/stainless steel brickslots available on request
- Bolt and bar fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request

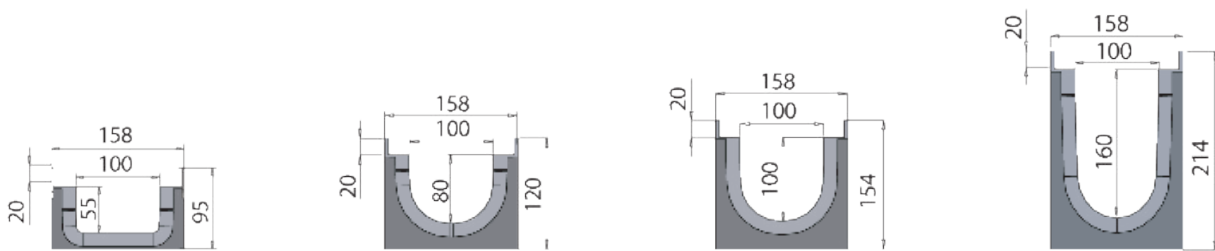


To fix the gratings on the ACO Xtraline C channels, you will need one bar and bolt every half meter of channel.

Channel with HD-PE rail





## ACO Xtraline C 100 channel

Length 1000 mm, total width 158 mm

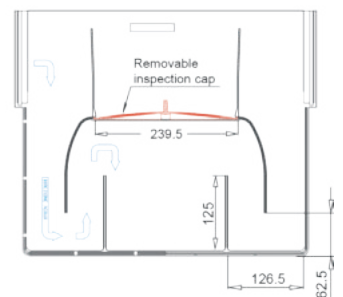
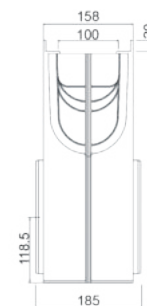
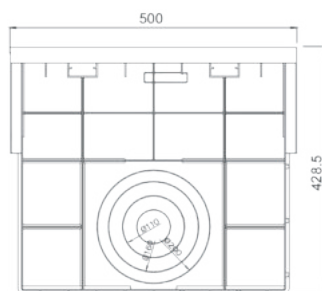


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Article number
[mm]	[mm]	[mm]	[mm]	[kg/pc]		
<b>Channel with vertical outlet kit Ø100/110</b>						
95	55	2 x Ø40	1 x Ø100/110	1,56	84	840212
120	80	2 x Ø63	1 x Ø100/110	1,70	70	840213
<b>Channel with vertical outlet Ø110</b>						
154	100	2 x Ø63	1 x Ø110	2,05	56	840214
214	160	2 x Ø110	1 x Ø110	2,55	42	840215

## ACO Xtraline C 100 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number
	Closed end-cap	55	PE	840904
		80	PE	840905
		100	PE	840906
		160	PE	840907
	Ø40 outlet end-cap	55	PE	840900
	Ø50 outlet end-cap	80	PE	840946
	Ø75 outlet end-cap	100	PE	840947
		160	PE	840948
	KIT Ø100 vertical outlet	55/80	PE	840909
	KIT Ø110 vertical outlet	55/80	PE	840910
	Step connectors from 100 mm to 160 mm	-	Composit	840908

## ACO Xtraline C 100 sump unit with PE rail






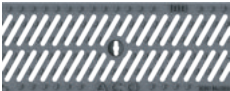





15



Description	Material	Height	Width	Length	Ø side outlet	Weight	Article number
		[mm]	[mm]	[mm]	[mm]	[kg/pc]	
Sump unit with female-female connection	PE	428,5	158	500	2xØ110 2xØ160 2xØ200	2,60	840930



## ACO Xtraline C 100 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number
<b>Pedestrian</b>							
	PP-PE mesh	Lateral plastic hook	148	498	34 x 8.5	0,44	840419
<b>A 15</b>							
	Galvanized steel slot	Bolt and bar (not included)	148	998	83 x 8.5	1,60	840418
	Stainless steel slot	Bolt and bar (not included)	148	998	83 x 8.5	1,60	840420
<b>B 125</b>							
	Ductile iron mesh	Bolt and bar (not included)	148	498	21,5 x 17,5	3,40	840431
	Polyamide 16 mm slot	Bolt and bar (not included)	148	498	82 x 20	0,80	840510
<b>C 250</b>							
	Ductile iron 7 mm slot	Bolt and bar (not included)	148	498	57 x 7	4,10	840439
	Ductile iron 20 mm slot	Bolt and bar (not included)	148	498	82 x 20	3,60	840434
	Ductile iron mesh	Bolt and bar (not included)	148	498	21,5 x 17.5	3,80	840433
	Polyamide 16 mm slot	Bolt and bar (not included)	148	498	82 x 20	1,30	840511

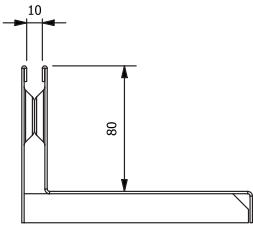
## ACO Xtraline C 100 grating accessories

Image	Description	Material	Valid for	Article number
	Bolt and bar kit + M8x55 TBL combi bolt	Galvanized steel	ACO Xtraline C 100 galvanized steel gratings	840821 <sup>(1)</sup>
		Stainless steel	ACO Xtraline C 100 stainless steel gratings	840822 <sup>(1)</sup>
	Bolt and bar kit + M8x55 black hex head bolt	Galvanized steel	ACO Xtraline C 100 ductile iron and polyamide gratings	840823 <sup>(1)</sup>

<sup>(1)</sup> Valid for 1 meter of channel

ACO Brickslot combined with Xtraline C 100

- Brickslot in Galvanized steel
- “L” profile
- 10mm slot
- Load class C250



	Material	Dimension			Slot	Class Load	Weight	Artic. Num.
		Lenght	Weight	Height				
		[mm]	[mm]	[mm]	[mm]		[kg]	
	Galvanized steel	1000	147	80	10	C250	4,75	841050
	Stainless steel	1000	147	80	10	C250	4,75	841053
	Galvanized steel	500	147	80	10	C250	2,50	841051
	Stainless steel	500	147	80	10	C250	2,50	841054
	Galvanized steel	500	147	80	10	C250	4,50	841052
	Stainless steel	500	147	80	10	C250	4,50	841055

inspection element





# ACO Xtraline C 200

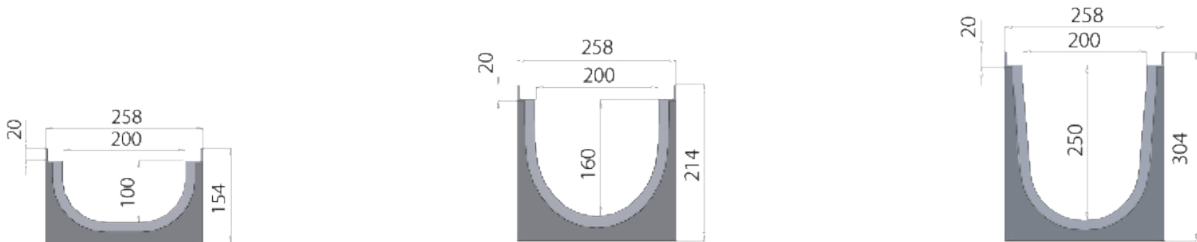
## Product information

- HD-PE drainage channel, internal width: 200 mm
- HD-PE rail
- Load class A15, B125 and C250, according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Wide range of gratings
- Galvanized/stainless steel brickslots available on request
- Bolt and bar fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



## ACO Xtraline C 200 channel with HD-PE rail





Length 1000 mm, total width 258 mm



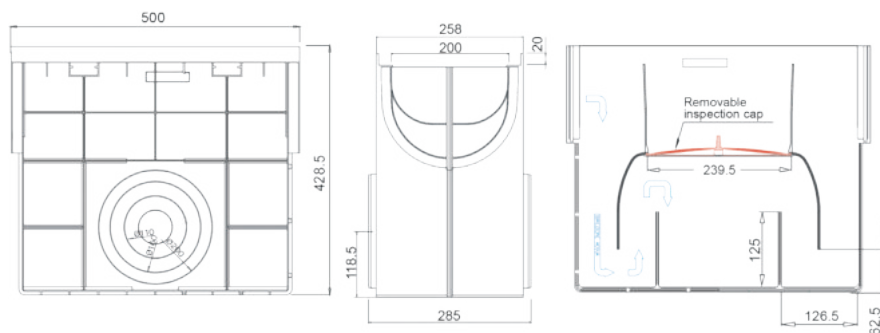
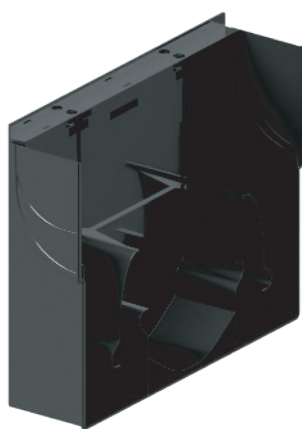
Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Article number
[mm]	[mm]	[mm]	[mm]	[kg/pz]		
<b>Channel with vertical outlet Ø200/160</b>						
154	100	2 x Ø63	1 x Ø200/160	2,80	32	840218
214	160	2 x Ø110	1 x Ø200/160	3,40	24	840219
304	250	2 x Ø160/200	1 x Ø200/160	5,00	16	840220



## ACO Xtraline C 200 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number
	Closed end-cap	100	PE	840919
		160	PE	840920
	Ø75 outlet end-cap	100	PE	840950
	Ø110 outlet end-cap	160	PE	840923
	Closed end-cap with Ø160 knockout	250	PE	840924
	Step connectors from 100 mm to 160 mm	-	Composit	840917
	Step connectors from 160 mm to 250 mm	-	Composit	840918

## ACO Xtraline C 200 sump unit with PE rail

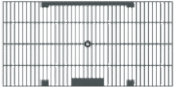
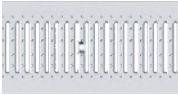


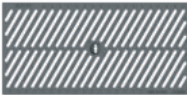


Description	Material	Height	Width	Length	Ø side outlet	Weight	Article number
		[mm]	[mm]	[mm]	[mm]	[kg/pc]	
Sump unit with female-female connection	PE	428,5	258	500	2xØ110 2xØ160 2xØ200	3,10	840932 <sup>(1)</sup>



<sup>(1)</sup> It is not designed for connection to H250 channels



## ACO Xtraline C 200 channel gratings

Image	Description	Fixing System	Width	Length	Slot/Mesh	Weight	Article number
			[mm]	[mm]	[mm]	[kg/pc]	
<b>Pedestrian</b>							
	PP-PE mesh	Lateral plastic hook	248	498	58,5 x 8,5	1,06	840426
<b>A 15</b>							
	Galvanized steel slot	Bolt and bar (not included)	248	998	130 x 8,5	4,90	840425
	Stainless steel slot	Bolt and bar (not included)	248	998	130 x 8,5	4,90	840427
<b>B 125</b>							
	Ductile iron mesh	Bolt and bar (not included)	248	498	25,5 x 24,5	6,25	840454
<b>C 250</b>							
	Ductile iron 20mm slot	Bolt and bar (not included)	248	498	180 x 20	7,00	840456
	Ductile iron 8mm slot	Bolt and bar (not included)	248	498	107 x 7	9,00	840516

## ACO Xtraline C 200 grating accessories

Image	Description	Material	Valid for	Article number
	Bolt and bar kit + M8x55 TBL combi bolt	Galvanized steel	ACO Xtraline C 200 galvanized steel gratings	840815 <sup>(1)</sup>
		Stainless steel	ACO Xtraline C 200 stainless steel gratings	840816 <sup>(1)</sup>
	Bolt and bar kit + M8x55 black hex head bolt	Galvanized steel	ACO Xtraline C 200 ductile iron gratings	840817 <sup>(1)</sup>

<sup>(1)</sup>Valid for 1 meter of channel

# ACO Xtraline



Class A



Class B

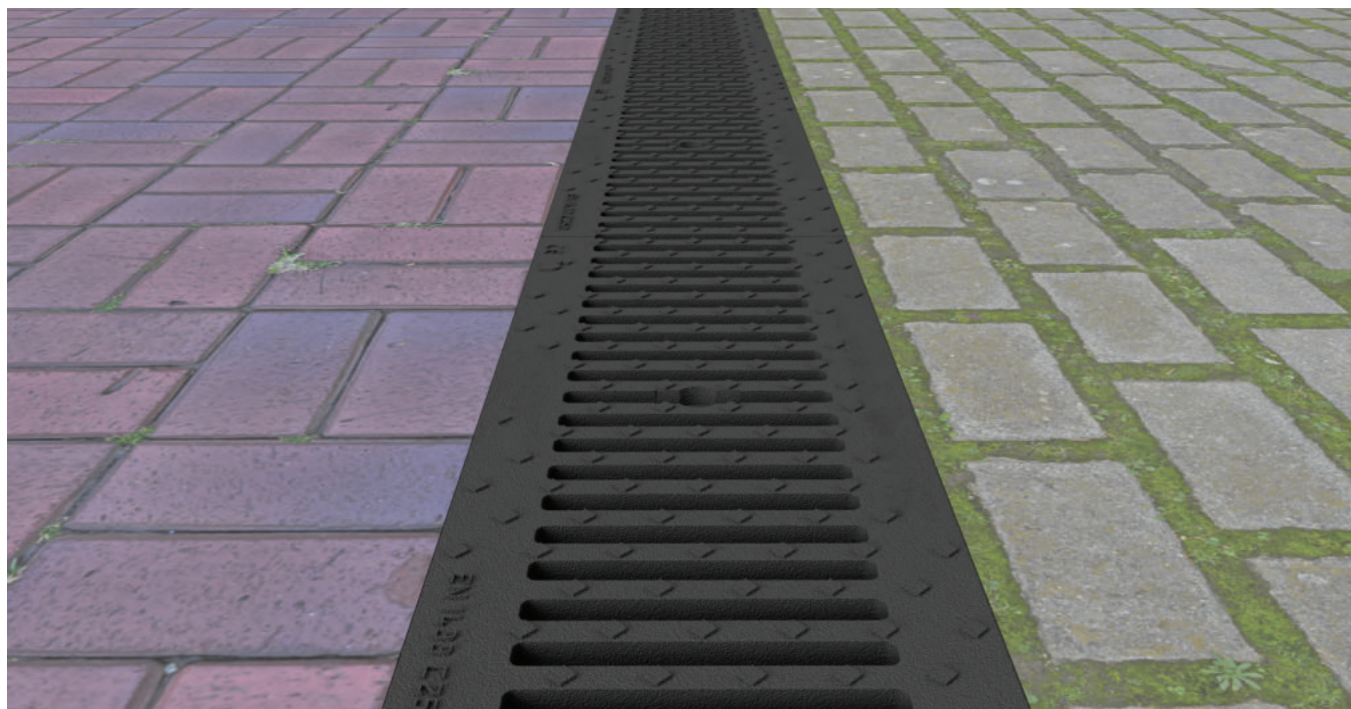


Class C

**ACO Xtraline** is the linear drainage system completely made of HD-PE with no rails. The absence of rail ensures that the grating completely covers the channel and allows a drainage line installation without interruptions or discontinuities; this, many times, increases the aesthetics of installation in architectural projects and contexts. The absence of any rail is a plus when it gets to height reduction in difficult installation sites and makes it possible to install the channel in all areas with reduced excavation depth.

## Typical applications

- Domestic and civil use
- Pedestrian areas
- Cycle paths
- Gardens
- Sports facilities
- Terraces and flat roofs
- Multi-level car parking

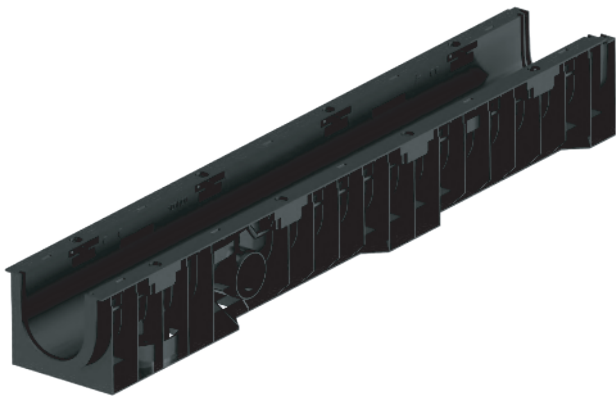




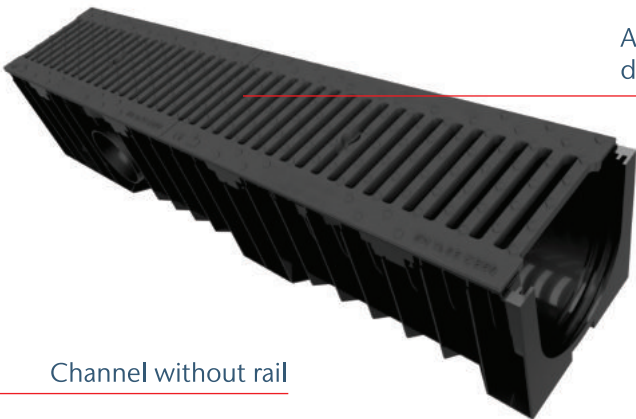
# ACO Xtraline 100

## Product information

- HD-PE drainage channel, internal width: 100 mm
- Load class A15, B125 and C250, according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H55 and H80 mm
- Wide range of gratings
- Special parts for corners, T-couplings and cross-couplings are available



## System overview



ACO Xtraline channel with ductile iron slot grating

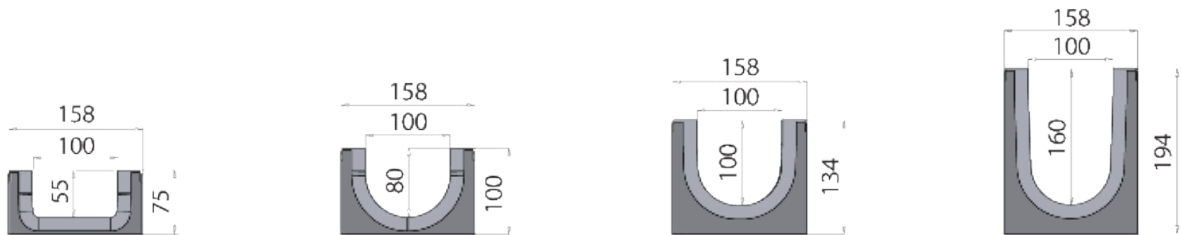


Channel without rail

## ACO Xtraline 100 channel





Length 1000 mm, total width 158 mm

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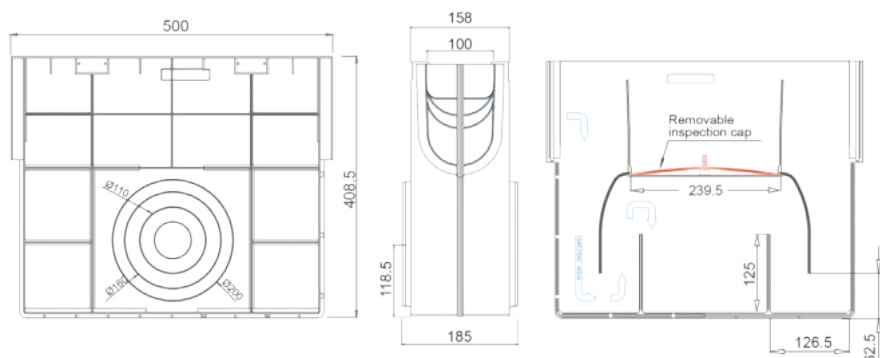
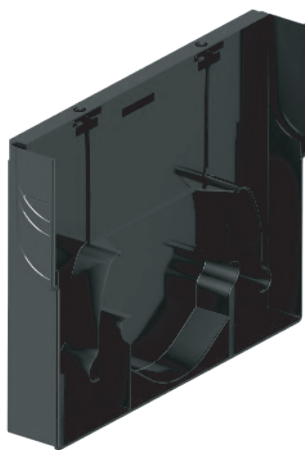


Total height	Internal height	Ø side outlet	Ø Vertical outlet	Weight	Pieces/pallet	Article number
[mm]	[mm]	[mm]	[mm]	[kg/pc]		
Channel with vertical outlet kit Ø100/110						
75	55	2 x Ø40	1 x Ø100/110	1,40	98	840240
100	80	2 x Ø63	1 x Ø100/110	1,60	70	840241
Channel with vertical outlet Ø110						
134	100	2 x Ø63	1 x Ø110	1,90	56	840242
194	160	2 x Ø110	1 x Ø110	2,40	42	840243

## ACO Xtraline 100 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number
	Closed end-cap	55	PE	840904
		80	PE	840905
		100	PE	840906
		160	PE	840907
	Ø40 outlet end-cap	55	PE	840900
	Ø50 outlet end-cap	80	PE	840946
	Ø75 outlet end-cap	100	PE	840947
		160	PE	840948
	Vertical outlet KIT Ø100	55/80	PE	840909
	Vertical outlet KIT Ø110	55/80	PE	840910
	Step connectors from 100 mm to 160 mm	-	Composit	840908




## ACO Xtraline 100 sump unit





Description	Material	Height	Width	Length	Ø side outlet	Weight	Article number
		[mm]	[mm]	[mm]	[mm]	[kg/pc]	
Sump unit with female-female connection	PE	408,5	158	500	2xØ110 2xØ160 2xØ200	2,50	840939



## ACO Xtraline 100 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number
<b>A 15</b>							
	Galvanized steel slot	Bolt and bar (not included)	154	998	83 x 8,5	1,80	840461
	Stainless steel slot	Bolt and bar (not included)	154	998	83 x 8,5	1,80	840465
<b>B 125</b>							
	Ductile iron mesh	Bolt and bar (not included)	154	498	21,5 x 17,5	3,00	840463
<b>C 250</b>							
	Ductile iron 13mm Slot	Bolt and bar (not included)	154	498	80,0 x 13,0	4,20	840464

## ACO Xtraline 100 gratings accessories

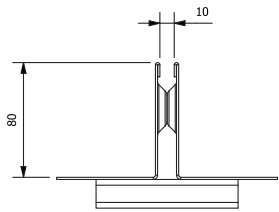
Image	Description	Material	Valid for	Article number
	Bolt and bar kit + M8x40 TBL combi screw	Galvanized steel	ACO Xtraline 100 galvanized steel gratings	840800 <sup>(1)</sup>
		Stainless steel	ACO Xtraline 100 stainless steel gratings	840801 <sup>(1)</sup>
	Bolt and bar kit + M8x40 black hex head screw	Galvanized steel	ACO Xtraline 100 ductile iron gratings	840802 <sup>(1)</sup>



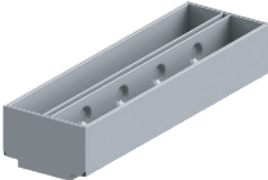
<sup>(1)</sup> Valid for 1 meter of channel



# ACO Brickslot combined with Xtraline 100

- Brickslot in Galvanized steel
- “T” profile
- 10mm slot
- Load class C250



	Material	Dimension			Slot	Class Load	Weight	Artic. Num.
		Lenght	Weight	Height				
		[mm]	[mm]	[mm]	[mm]		[kg]	
	Galvanized steel	1000	154	80	10	C250	4,40	841010
	Stainless steel	1000	154	80	10	C250	4,40	841013
	Galvanized steel	500	154	80	10	C250	2,30	841011
	Stainless steel	500	154	80	10	C250	2,30	841014
	Galvanized steel	500	154	80	10	C250	4,90	841012
	Stainless steel	500	154	80	10	C250	4,90	841015

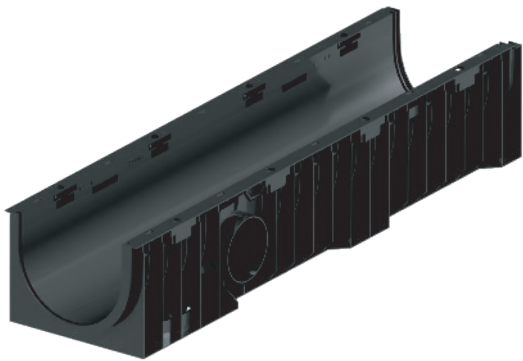




# ACO Xtraline 200

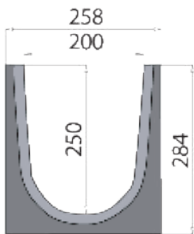
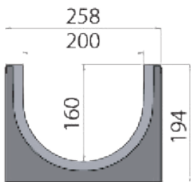
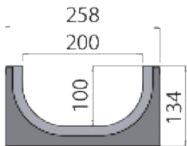
## Product information

- HD-PE drainage channel, internal width: 200 mm
- Load class A15, B125 and C250, according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Wide range of gratings
- Special parts for corners, T-couplings and cross-couplings are available



## ACO Xtraline 200 channel





Length 1000 mm, total width 258 mm



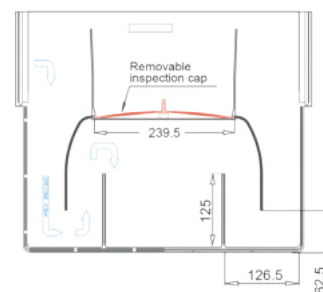
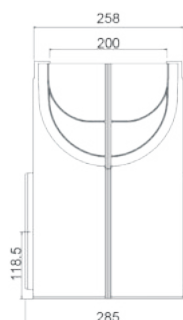
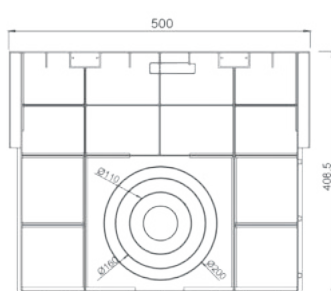
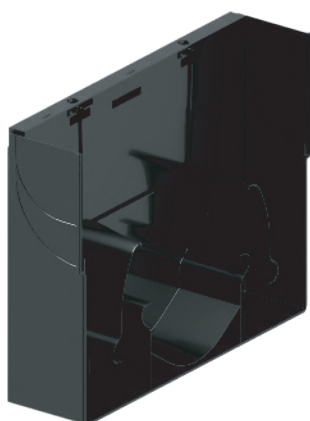
Total height	Internal height	Ø side outlet	Ø Vertical outlet	Weight	Pieces/pallet	Article number
[mm]	[mm]	[mm]	[mm]	[kg/pc]		
Channel with Vertical outlet Ø200/160						
134	100	2 x Ø63	1 x Ø200/160	2,65	32	840246
194	160	2 x Ø110	1 x Ø200/160	3,25	24	840247
284	250	2 x Ø160/200	1 x Ø200/160	4,80	16	840248



## ACO Xtraline 200 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number
	Closed end-cap	100	PE	840919
		160	PE	840920
	Ø75 outlet end-cap	100	PE	840950
	Ø110 outlet end-cap	160	PE	840923
	Closed end-cap with Ø160 knockout	250	PE	840924
	Step connectors from 100 mm to 160 mm	-	Composit	840917
	Step connectors from 160 mm to 250 mm	-	Composit	840918

## ACO Xtraline 200 sump unit


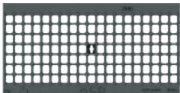
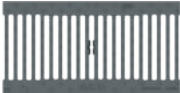


Description	Material	Height	Width	Length	Ø side outlet	Weight	Article number
		[mm]	[mm]	[mm]	[mm]	[kg/pc]	
Sump unit with female-female connection	PE	408,5	258	500	2xØ110 2xØ160 2xØ200	3,00	840941 <sup>(1)</sup>



<sup>(1)</sup> It is not designed for connection to H250 channels



## ACO Xtraline 200 gratings

Image	Description	Fixing system	Width	Length	Slot/Mesh	Weight	Article number
			[mm]	[mm]	[mm]	[kg/pc]	
<b>A 15</b>							
	Galvanized steel slot	Bolt and bar (not included)	254	998	130 x 8.5	4,90	840477
	Stainless steel slot	Bolt and bar (not included)	254	998	130 x 8.5	4,90	840482
<b>B 125</b>							
	Ductile iron mesh	Bolt and bar (not included)	254	498	21.5 x 17.5	5,85	840480
<b>C 250</b>							
	Ductile iron 13 mm slot	Bolt and bar (not included)	254	498	180 x 13	7,20	840481

## ACO Xtraline 200 grating accessories

Image	Description	Material	Valid for	Article number
	Bolt and bar kit + M8x40 TBL combi screw	Galvanized steel	ACO Xtraline 200 galvanized steel gratings	840806 <sup>(1)</sup>
		Stainless steel	ACO Xtraline 200 stainless steel gratings	840807 <sup>(1)</sup>
	Bolt and bar kit + M8x40 black hex head screw	Galvanized steel	ACO Xtraline 200 ductile iron gratings	840808 <sup>(1)</sup>

<sup>(1)</sup>Valid for 1 meter of channel



# ACO Easyline



Class A



Class B

**Easyline** is the new product range and offer a solution for every situation and requirements. Versatile, practical and easy to install. The innovative technical aspects create a complete drainage system with high technical performances and many advantages.

## Typical applications

- Green areas
- Pedestrian areas and cycle paths
- Terraces and balconies

The range includes two different heights for different application:

**ACO Easyline H50** : thanks to its 30mm internal height, is suitable for application as terraces and balconies where the installation height is limited.

**ACO Easyline H90** : is suitable for drainage in areas as garages, residential developments, patio, terraces and balconies; 70mm internal height. This is possible thanks to new technical details, such as the new side connections which make it easy to install.

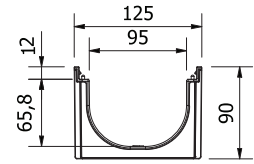
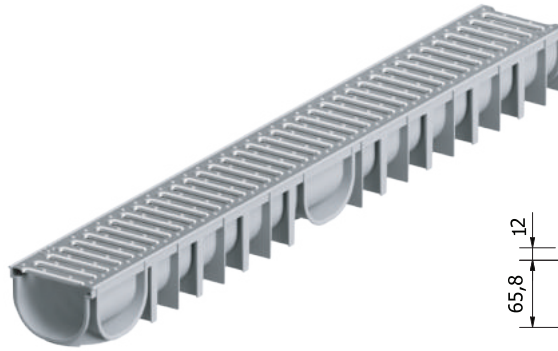




# ACO Easyline H90

## Product information

- PP-PE channel
- Channel internal size (WxH): 95 x 66 mm
- PP-PE rail
- Gratings load classes A 15, B 125
- Built-in fixing system
- Available in Black and Grey color

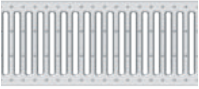





## System overview ACO Easyline H90









## ACO Easyline H90 **combined with** design gratings

Image	Description	Slot	Width	Length	Height	Weight	Pc/Pal	Article number	Article number
		[mm]	[mm]	[mm]	[mm]	[Kg]	[n.]		
<b>A15</b>								Black	Grey
	Galvanized steel SLIM	5	120	1000	90	2,05	72	853005	853005
	Stainless steel SLIM	5	120	1000	90	2,10	72	853009	853009
<b>B125</b>									
	Ductile iron BROOKLYN	8	120	1000	90	5,50	72	853015	853015
	PP-GF MANHATTAN	6	120	1000	90	2,75	72	853013	853013

## ACO Easyline H90 **combined with** standard gratings

Image	Description	Slot	Width	Length	Height	Weight	Pc/Pal	Article number	Article number
		[mm]	[mm]	[mm]	[mm]	[Kg]	[n.]		
<b>A15</b>								Black	Grey
	PP-PE	8	120	1000	90	1,50	72	853001	855002
	Galvanized steel	8	120	1000	90	1,85	72	853003	855004
	Stainless steel	8	120	1000	90	2,10	72	853007	855008
<b>B125</b>									
	Ductile iron 6mm slot	6	120	1000	90	5,80	72	853011	855012

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## ACO Easyline H90 accessories

Description	Pc/Box	Artic. Num.	Artic. Num.
	[n.]	Black	Grey
ø110 vertical outlet	100	319764	319765
ø50 end cap outlet	100	853206	855207
Closing end cap	100	853208	855209

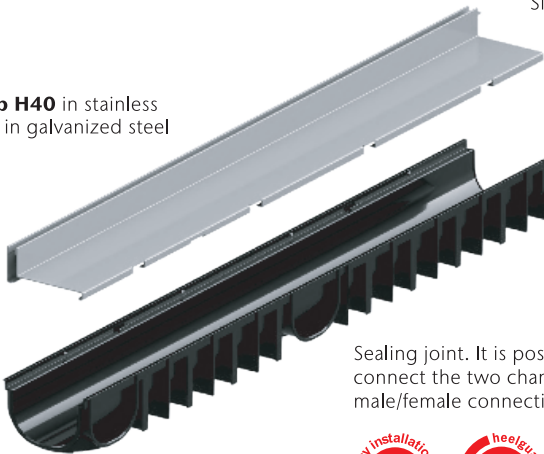
# ACO Easyline H90 channel body and SlotTop H40

## Functional system and minimal design

### Product information

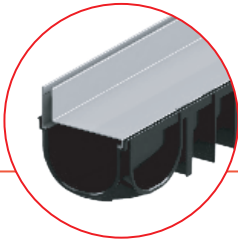
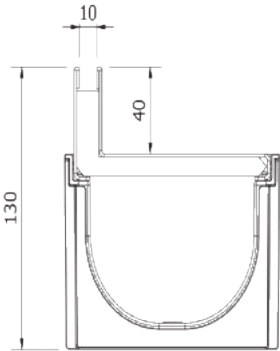
- Channel PP-PE Easyline H90 and SlotTop H40
- SlotTop H40 in stainless steel or galvanized steel
- Load class B125
- Slot dimension 10mm
- Elements of inspection: linear

SlotTop H40 in stainless steel or in galvanized steel



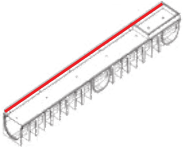

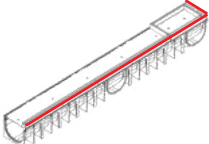

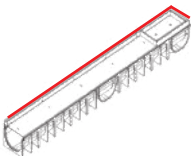


Single slot 10mm

Sealing joint. It is possible to connect the two channels and seal male/female connection.



## SlotTop H40 and Easyline H90 channel body

	Material	Dimensions			Slot	Weight	Art. Num.
		Lenght	Width	Height			
		[mm]	[mm]	[mm]	[mm]	[kg]	
Linear element 	Galvanized steel	1000	125	130	10	3,75	853520
	Stainless steel	1000	125	130	10	3,75	853530
With inspection element  	Galvanized steel	1000	125	130	10	4,15	853521
	Stainless steel	1000	125	130	10	4,15	853531
With LEFT inspection element  	Galvanized steel	1000	125	130	10	4,15	853523
	Stainless steel	1000	125	130	10	4,15	853533
With RIGHT inspection element  	Galvanized steel	1000	125	130	10	4,15	853522
	Stainless steel	1000	125	130	10	4,15	853532

# ACO Easyline H90 Pack

## Product information

- The pack contains:
  - 3 PP-PE channels, 3 gratings, 2 open end caps, 1 closed end cap
- 4 side connections each channel
- Plastic rail 5mm thickness
- Gratings load class: A 15, B 125
- Built-in fixing system
- Available in Black and Grey color



## ACO Easyline H90 Black

Grating Type	Load Class	Slot	Dimensions			Pc/Pal	Artic. Num.
			Length	Width	Height		
		[mm]	[mm]	[mm]	[mm]	[n.]	
PP-PE	A 15	8	1000	125	90	26	853101
Galvanized steel	A 15	8	1000	125	90	26	853102
Stainless steel	A 15	8	1000	125	90	26	853104
DESIGN GRATING Galvanized steel SLIM	A 15	5	1000	125	90	26	853103
DESIGN GRATING Stainless steel SLIM	A 15	5	1000	125	90	26	853105
DESIGN GRATING Ductile Iron BROOKLYN	B125	8	1000	125	90	26	853107
DESIGN GRATING PP-GF MANHATTAN	B125	6	1000	125	90	26	853108

■ Accessories on previous pages

## ACO Easyline H90 Grey

Grating Type	Load Class	Slot	Dimensions			Pc/Pal	Artic. Num.
			Length	Width	Height		
		[mm]	[mm]	[mm]	[mm]	[n.]	
PP-PE	A 15	8	1000	125	90	26	855102
Galvanized steel	A 15	8	1000	125	90	26	855104
Stainless steel	A 15	8	1000	125	90	26	855108
DESIGN GRATING Galvanized steel SLIM	A 15	5	1000	125	90	26	855106
DESIGN GRATING Stainless steel SLIM	A 15	5	1000	125	90	26	855110
DESIGN GRATING Ductile Iron BROOKLYN	B125	8	500	125	90	26	855114
DESIGN GRATING PP-GF MANHATTAN	B125	6	1000	125	90	26	855115

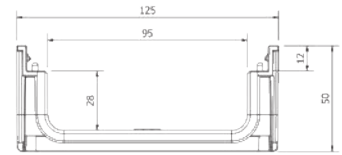
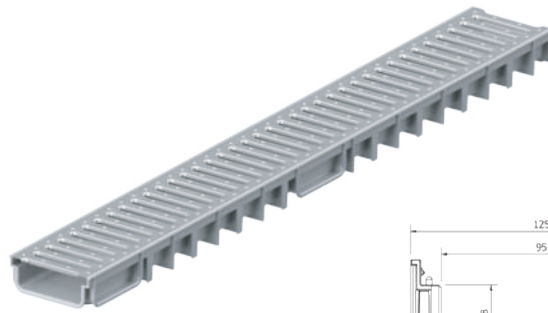
■ Accessories on previous pages



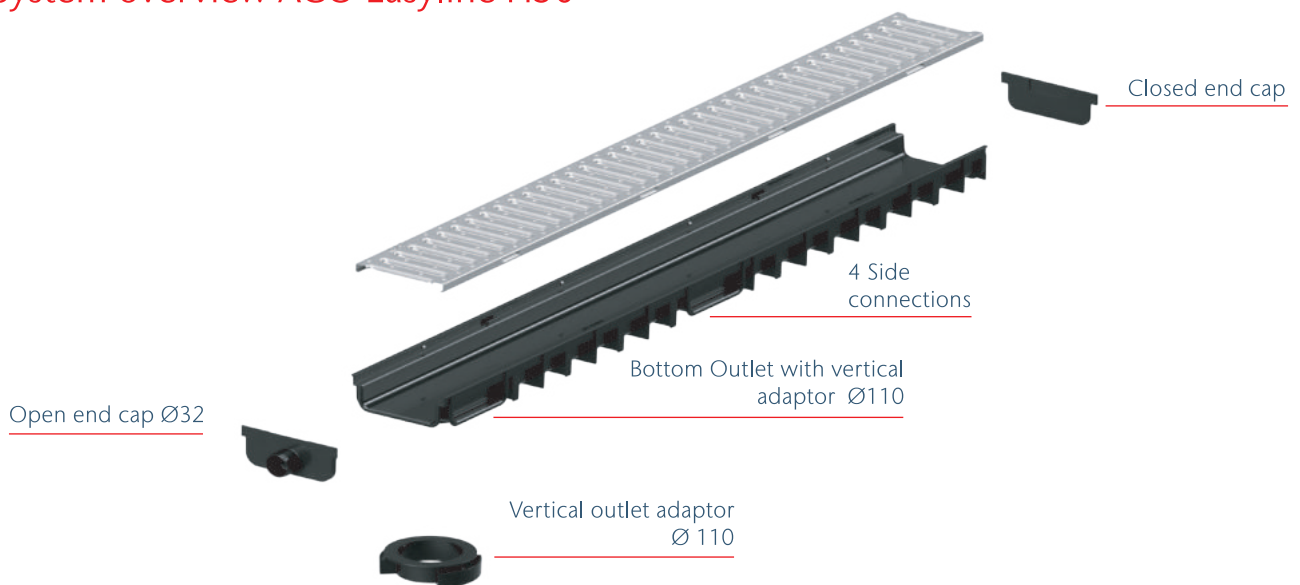
# ACO Easyline H50

## Product information


- PP-PE channel
- 4 side connections each channel
- PP-PE rail 5mm thickness
- Gratings load class A15, B125
- Built-in fixing system
- Available in Black and Grey color







## System overview ACO Easyline H50



## ACO Easyline H50 **combined with** design gratings

Image	Description	Slot	Width	Length	Height	Weight	Pc/Pal	Article number	Article number
		[mm]	[mm]	[mm]	[mm]	[Kg]	[n.]		
<b>A15</b>								Black	Grey
	Galvanized steel SLIM	5	125	1000	50	1,75	198	330008	330206
	Stainless steel SLIM	5	125	1000	50	1,80	198	330012	330208
<b>B125</b>									
	Ductile iron BROOKLYN	8	125	1000	50	5,20	198	330010	330225

## ACO Easyline H50 **combined with** standard gratings

Image	Description	Slot	Width	Length	Height	Weight	Pc/Pal	Article number	Article number
			[mm]	[mm]	[mm]	[Kg]	[n.]		
<b>A15</b>								Black	Grey
	PP-PE	8	125	1000	50	1,25	198	330004	330200
	Galvanized steel	8	125	1000	50	1,55	198	330000	330202
	Stainless steel	8	125	1000	50	1,80	198	330002	330204
<b>B125</b>									
	Ductile iron 6mm slot	6	125	1000	50	5,50	198	330006	330210

35

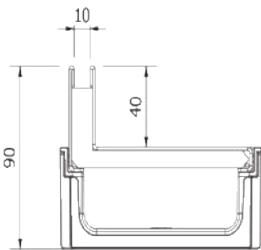
## ACO Easyline H50 accessories

Description	Pc/Box	Artic. Num.	Artic. Num.
	[n.]	Black	Grey
ø110 vertical outlet	100	319764	319765
ø32 end cap outlet	100	330042	330421
Closing end cap	100	330044	330243



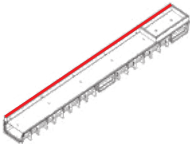

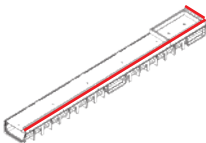

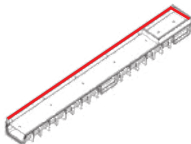
# ACO Easyline H50 channel body and SlotTop H40

## Product information

- Channel PP-PE 4ALL H50 and SlotTop H40
- SlotTop H40 in stainless steel or galvanized steel
- Load class B125
- Slot dimension 10mm
- Elements of inspection: linear, right and left curve



## SlotTop H40 and Easyline H50 channel body

	Material	Dimensions			Slot [mm]	Weight [kg]	Article
		Lenght	Width	Height			
		[mm]	[mm]	[mm]			
Linear element 	Galvanized steel	1000	125	125	10	3,50	330620
	Stainless steel	1000	125	90	10	3,50	330630
With inspection element  	Galvanized steel	1000	125	90	10	3,90	330621
	Stainless steel	1000	125	125	10	3,90	330631
With LEFT inspection element  	Galvanized steel	1000	125	90	10	3,90	330623
	Stainless steel	1000	125	125	10	3,90	330633
With RIGHT inspection element  	Galvanized steel	1000	125	90	10	3,90	330622
	Stainless steel	1000	125	125	10	3,90	330632



# ACO Easyline H50 Pack

## Product information

- The pack contains:
  - 4 PP-PE channels, 4 gratings, 2 open end caps, 1 closed end cap
- 4 side connections each channel
- PP-PE rail 5mm thickness
- Gratings load class: A 15, B 125
- Built-in fixing system
- Available in Black and Grey color



## ACO Easyline H50, Black

Grating Type	Load Class	Slot	Dimensions				Pc/Pal	Artic. Num.
			Length	Width	Height			
		[mm]	[mm]	[mm]	[mm]	[n.]		
PP-PE	A 15	8	1000	125	50	33		330300
Galvanized steel	A 15	8	1000	125	50	33		330302
Stainless steel	A 15	8	1000	125	50	33		330306
DESIGN GRATING Galvanized steel SLIM	A 15	5	1000	125	50	33		330304
DESIGN GRATING Stainless steel SLIM	A 15	5	1000	125	50	33		330308
DESIGN GRATING Ductile Iron BROOKLYN	B125	8	500	125	50	33		330310

■ Accessories on previous pages

## ACO Easyline H50, Grey

Grating Type	Load Class	Slot	Dimensions				Pc/Pal	Artic. Num.
			Length	Width	Height			
		[mm]	[mm]	[mm]	[mm]	[n.]		
PP-PE	A 15	8	1000	125	50	33		330400
Galvanized steel	A 15	8	1000	125	50	33		330402
Stainless steel	A 15	8	1000	125	50	33		330406
DESIGN GRATING Galvanized steel SLIM	A 15	5	1000	125	50	33		330404
DESIGN GRATING Stainless steel SLIM	A 15	5	1000	125	50	33		330408
DESIGN GRATING Ductile Iron BROOKLYN	B125	8	500	125	50	33		330414

■ Accessories on previous pages

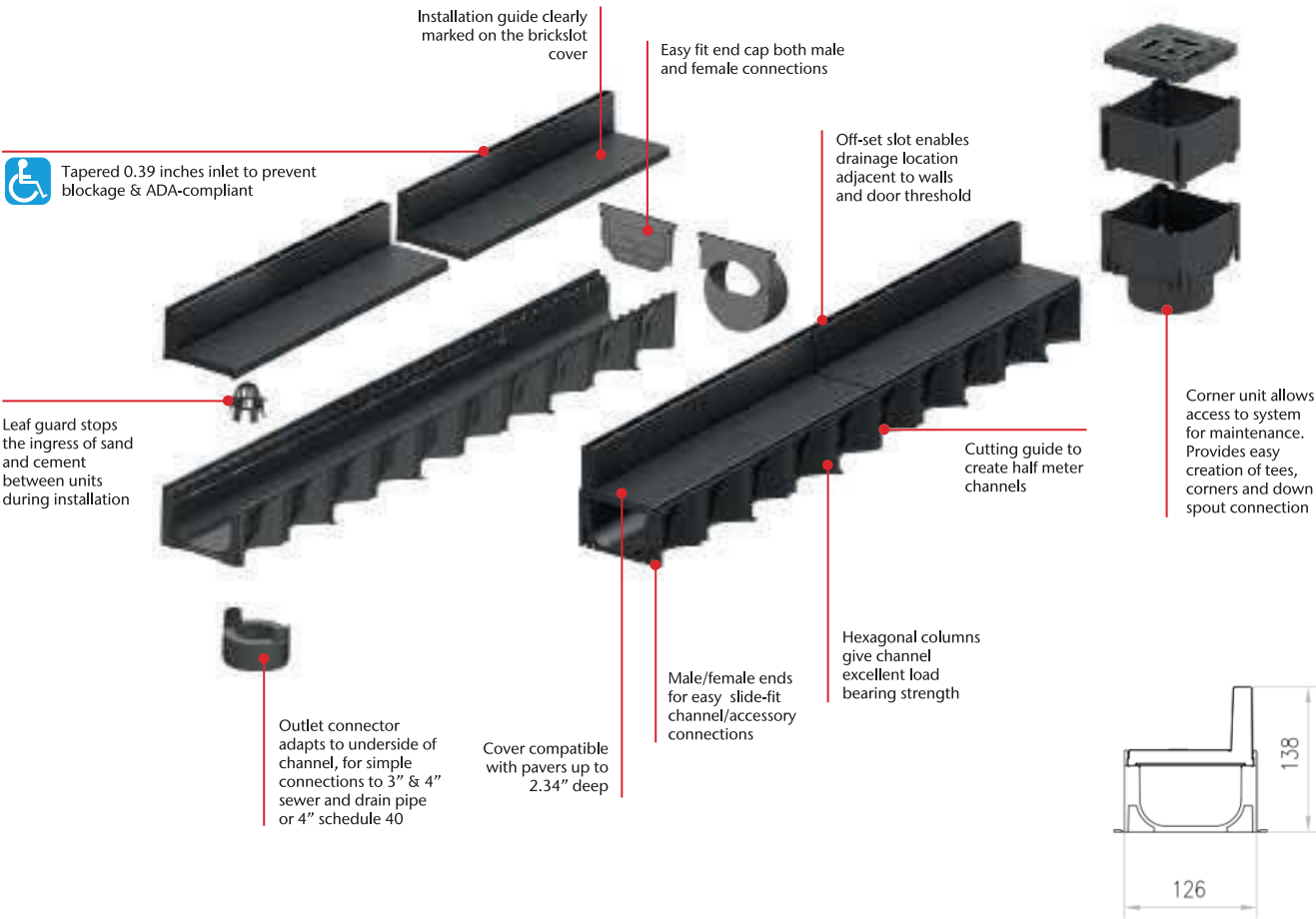
# ACO Hexaline

HexaLine is a recyclable polypropylene trench drain system with a range of innovative features making installation easier than ever.

The lightweight, cellular construction allow for a simple ‘push-fit’ of channels and accessories and makes cleaning and maintenance easy.

- Typical applications
- Residential driveways
  - Patios
  - Walkways
  - Basements
  - Pools

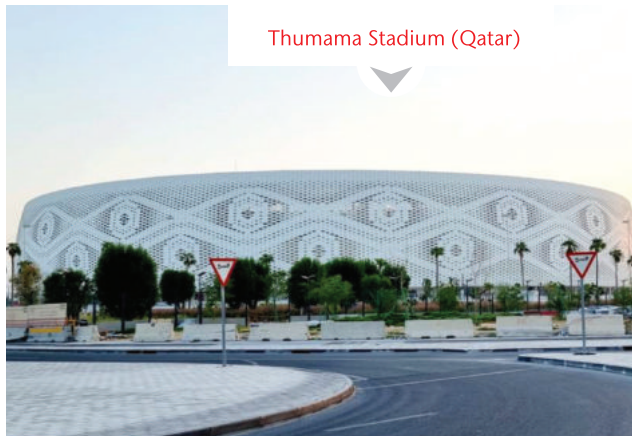
## Product overview



## ACO Hexaline

Grating Type	Load Class	Dimensions				Artic. Num.
		Length	Width	Height	Wgt.	
		[mm]	[mm]	[mm]	[kg]	
Black channel with plastic slot cover (1 meter)	A 15	1000	126	158	1.8	319555
Brickslot corner unit	A 15	120	120	183	1.4	319560
Accessory pack - 2 end caps, bottom outlet & leaf guard	A 15	1000	130	81	0.2	19303

# Project Reference



Thumama Stadium (Qatar)



Petrol Station (Italy)



Train stations (Poland)



Cross Road (Italy)



Fiumicino Airport (Italy)



Bus station (Slovenia)



Walkway (Italy )



Square (Baku, Azerbaijan)

Please visit our website [www.aco-Malaysia.com](http://www.aco-Malaysia.com) for more details.



# ACO Product Overview



## ACO Grease Separator, Below and Above Ground

A comprehensive range addresses all size requirements within the EN 1825 specification, with performance at or beyond the Standard's requirement. Certified to EN 1825, CE marked. Separators are tested and certified according to EN 1825 and are CE marked.



## ACO Stormclean

ACO presents the ACO Stormclean stormwater filter as a compact solution to advanced stormwater treatment needs. Due to its small footprint, it is an attractive alternative to large above ground soil filters when space is at a premium. ACO Stormclean combines four crucial processes – sedimentation, filtration, adsorption and precipitation - to ensure bound and dissolved pollutant are removed from stormwater.



## ACO Stormbrixx

is a unique and patented plastic geocellular storm water management system. Designed for surface water infiltration and storage, its versatility allows it to be used in applications across all construction environments as a standalone solution or as part of an integrated sustainable drainage (SUDS) scheme.



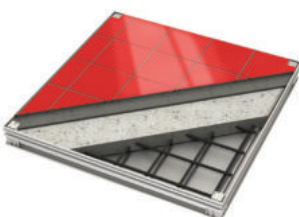
## ACO Qmax

has been developed to satisfy the demand for a versatile, high capacity slot drainage system for a wide range of applications involving small to large catchment areas to any load class. The system is specifically designed to form an integral part of any modern, sustainable surface water management solution requiring effective storage and attenuation while eliminating carry over in storm water conditions.



## ACO Monoblock PD/RD

The innovative drainage system which unique monocast construction guarantees extremely high levels of safety and stability in all transport surface drainage applications. Monoblock is poured in polymer concrete as a single piece: no lines of weakness along adhesive joints, producing a much tougher and safer product.



## ACO Access Covers

ACO Access Covers can be flexibly installed into any interior or exterior areas. Their installation and handling, as well as their maintenance and cleaning, are easy. A wide range of standard types with many options, tailor made production and the possibility of using various floor surfaces make an ACO Access Cover look like an inconspicuous chameleon smartly merging into its background while retaining its full functionality and safety.

Every ACO product  
supports the ACO WaterCycle



- 
- Floor drainage
  - Bathroom drainage
  - Parking deck drainage
  - Roof drainage
  - Balcony and terrace drainage
  - Pipe systems
  - Wall protection
  - Grease separators
  - Starch separators
  - Light oil separators
  - Process technology
  - Backflow systems
  - Lifting stations
  - Pumping stations
- 

## ACO Southeast Asia

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ACO. we care for water