



polycon
surface water drainage

8LOX 300

Service . Range . Knowledge



Welcome To Polycon

Polycon is identified as one of the leading manufacturers, distributors, and suppliers of channel drainage in the UK. We focus towards creating a diverse range of water solutions, in a variety of different materials, including composite, polymer concrete, SMC, and steel.

Polycon's unique look at the market and expert knowledge of the industry ensures that we can supply a wide range of high-quality products suitable for any application. This includes building drainage, landscaping, sports facilities, distribution centres, highways, and airports.

Our design team provides innovative and efficient hydraulic solutions to ensure we can offer the best product/ solution for your drainage needs. We have a vast and experienced overview of our working industry and have been manufacturing, distributing, and selling channel drainage for over 8 years. We thrive on acting upon your feedback to improve and develop our products to fit flawlessly with the constantly changing market and demand from our customers.

At Polycon we focus our attention on professionals who sit within the construction industry, targeting our products to specifiers, architects, engineers, and contractors. Therefore, we understand the importance of expanding our product portfolio to create the most efficient surface water drainage systems.

We are a dynamic and evolving company with a focus on quality, innovation, and service. As a result, you can rely on us to handle your project needs in every way to the best of our ability.

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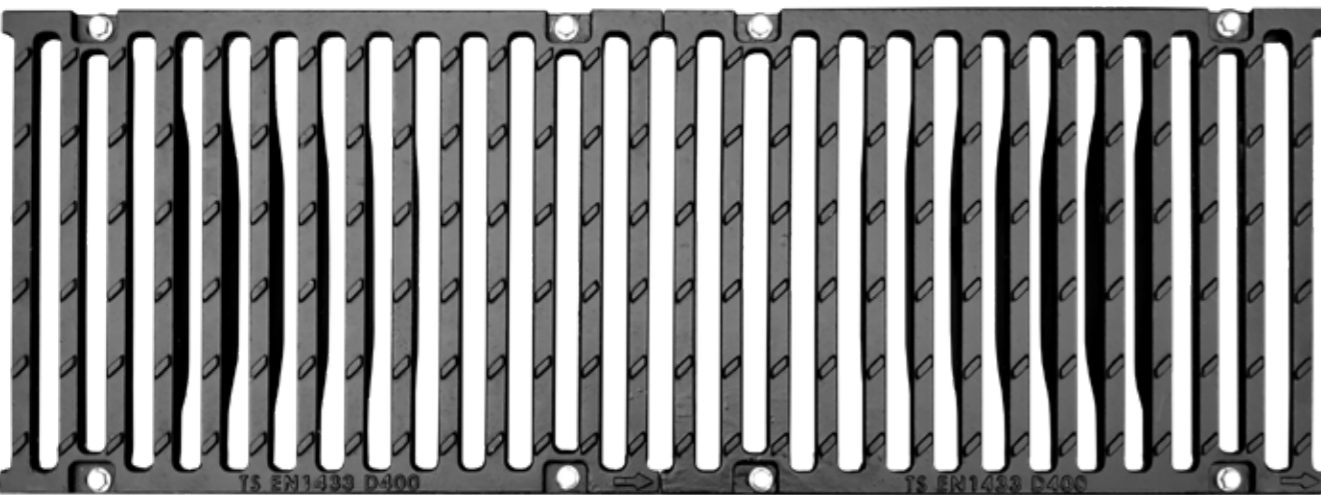
Service • Range • Knowledge

8LOX 300

Polycon's 8LOX 300 drainage channel stands out as an innovative solution in surface water management, delivering unmatched efficiency and adaptability. Crafted from polymer concrete, this channel epitomises durability and resilience, capable of withstanding the diverse challenges posed by various environments. With a robust construction and innovative design, the 8LOX channel stands as a testament to engineering excellence, setting new standards in drainage systems.

Whether installed in car parks, expansive farms, or busy shopping centres, 8LOX channel seamlessly integrates into its surroundings while delivering exceptional performance.

Polycon's 8LOX drainage channel is the ideal choice for commercial areas seeking a reliable, durable, and visually appealing solution for surface water management. Its combination of strength, versatility, and aesthetic customisation makes it a standout feature in any commercial landscape, contributing to both safety and the overall aesthetic ambiance of the space.



Load Class



1.5t

A15
1.5 tonnes



12.5t

B125
12.5 tonnes



25t

C250
25 tonnes



40t

D400
40 tonnes

Applications

- Driveways
- Car parks
- Farms
- Commercial & civil areas

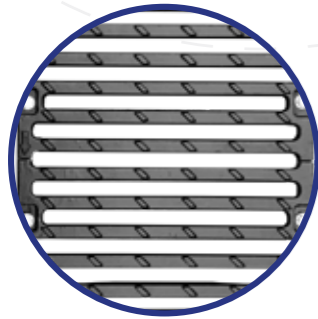
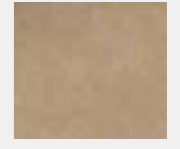
8LOX 300



8LOX 300 - Overview

Colour Options

Sand

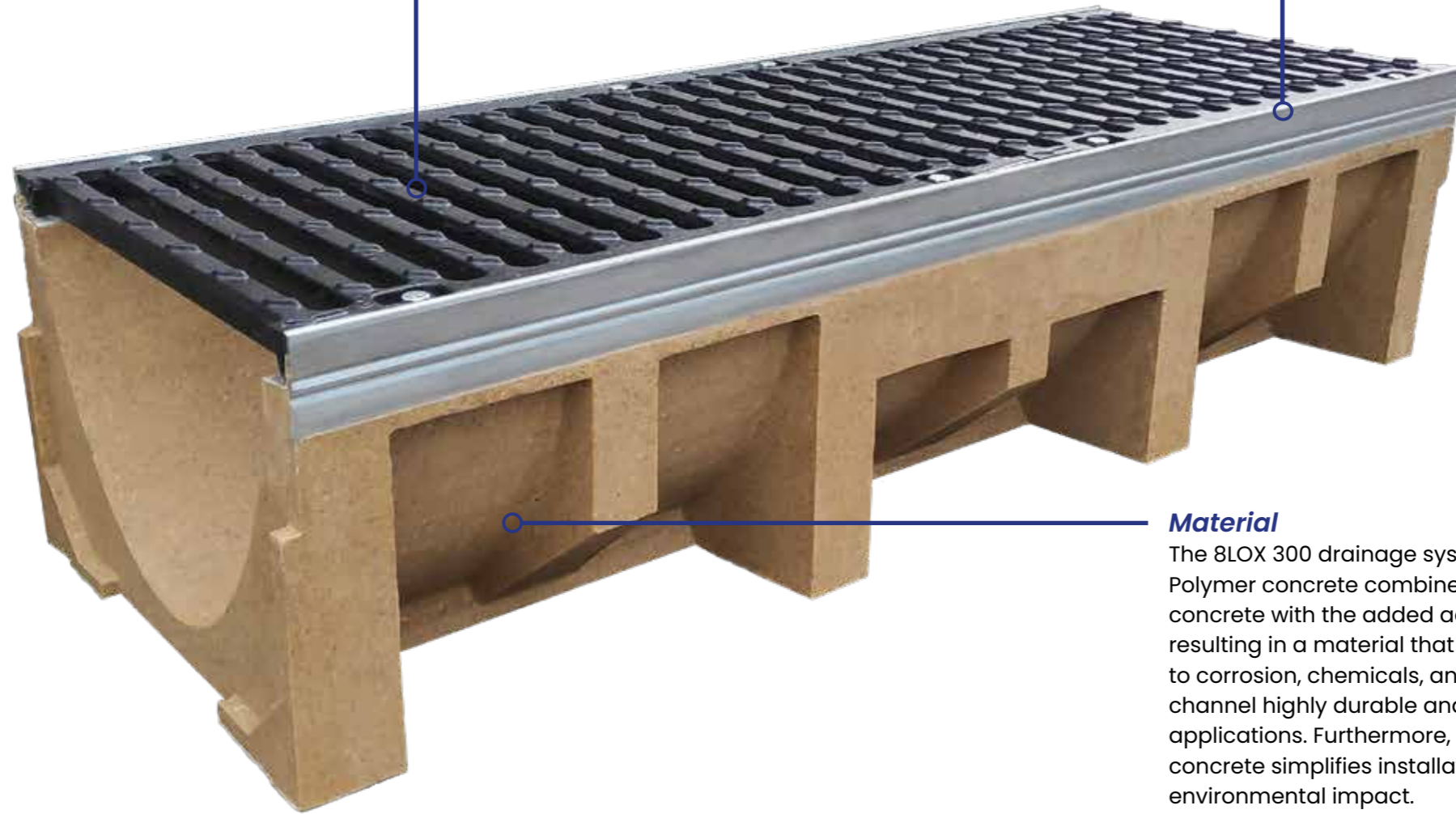


Grating Options

The 8LOX 300 channel features a high-quality ductile iron grating top, specifically engineered for strength and resilience. Ductile iron, known for its exceptional toughness and durability, provides superior load-bearing capacity, making the 8LOX 300 channel a reliable choice for A15-D400 applications. This material is resistant to wear and corrosion, ensuring long-lasting performance even in harsh environments.

Galvanised Edge Rail

Bolt & Bar fastenings are optimised for the specific load classes and unite reliability and high quality with functional design.



Material

The 8LOX 300 drainage system has many benefits. Polymer concrete combines the durability of traditional concrete with the added advantages of polymer resins, resulting in a material that is exceptionally strong and resistant to corrosion, chemicals, and UV radiation. This makes the channel highly durable and ideal for long-lasting outdoor applications. Furthermore, the lightweight nature of polymer concrete simplifies installation, reducing labour costs and environmental impact.

Load Classes



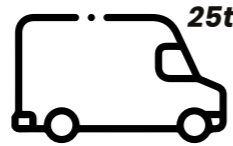
1.5t

A15



12.5t

B125



25t

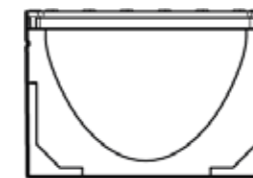
C250



40t

D400

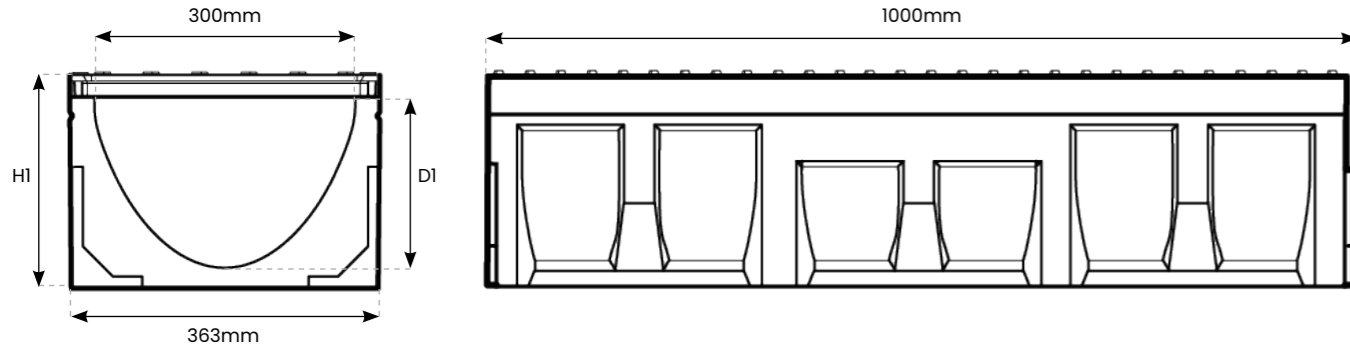
Depth Options



250mm

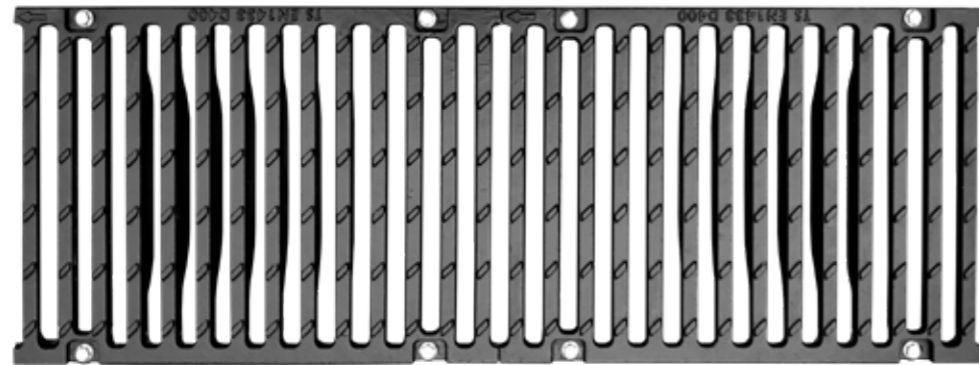
8LOX 300 – Galvanised Edge Rail

The Polycon's 8LOX 300 drainage channel offers a modern and innovative solution for drainage needs. With its exceptional durability, versatile design, and wide range of applications, it sets a new standard for managing surface water efficiently and is a key improvement in drainage infrastructure.



Channel – Specifications

Reference	Description	Length	Overall Width	Internal Width	Overall Depth(H1)	Internal Depth(D1)	Weight
8LOX.300.GER	8LOX 300 Channel – Galvanised Edge Rail	1000mm	363mm	300mm	250mm	190mm	49kg



Ductile Iron Slotted Grating (D400)

Grating – Specifications

Reference	Description	Length	Overall Width	Weight	Load Class	Safe Heel
8LOX.300.DISG	8LOX 300 Ductile Iron Slotted Grating	500mm	355mm	15kg	D400	No

Accessories

Polycon's 8LOX 300 drainage system is designed as a comprehensive solution, offering a full range of accessories to meet various installation needs. These accessories include a sump unit, which helps collect and manage debris or sediment, and end caps to provide a clean and secure finish to the drainage channels. Together, these components ensure the system functions efficiently and is easy to install, making it an all-in-one package for effective surface water management.

Sump Unit

A Sump Unit can be used as an access point to the channel, allowing for any maintenance checks. However, it also acts as a reservoir, temporarily storing excess water before discharging it in a controlled manner to prevent adverse effects of water accumulation.



Sump Unit

End Caps

End Caps can be used at the end of your channel run to stop the flow of water.



End Cap Front/Back

Green Drain Foul Air Trap

Green Drain Foul Air Trap fits into the pipe connector, forming a barrier that stops foul air and unpleasant odours from escaping.



Green Drain Foul Air Trap

Accessories – Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)	Outlet
8LOX.300.SU	8LOX 300 Sump Unit	563mm	550mm	365mm	43kg	110/160mm
8LOX.300.EC	8LOX 300 End Caps	30mm	250mm	360mm	0.6kg	110mm



Polycon Surface Water Drainage

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