



# **DECORATIVE** RANGE

*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.

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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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# MINI-78

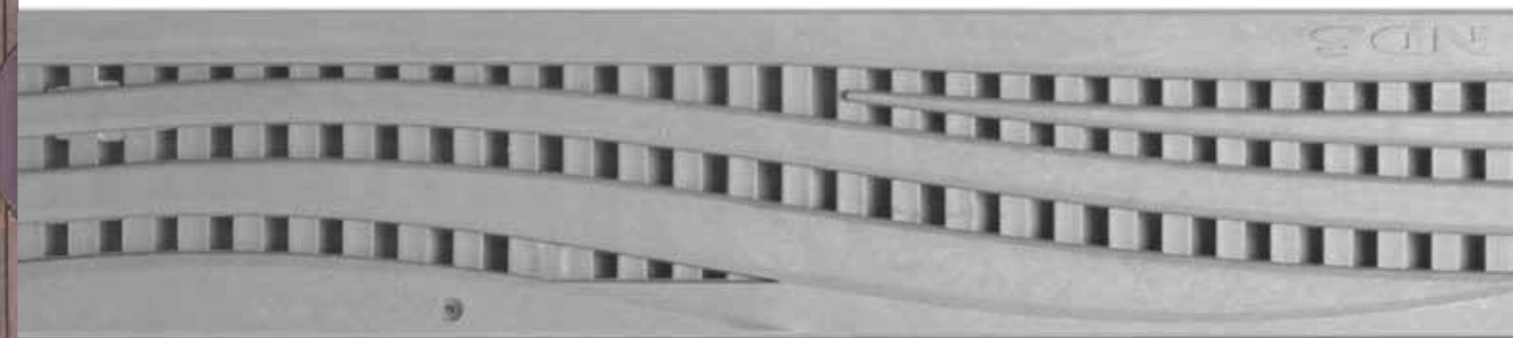
## MINI-78 Channel

The Mini-78 channel drainage system offers a multitude of benefits in its compact design. Firstly, it's incredibly lightweight, making it effortless to handle and install. This ultimately reduces the time and effort needed for installation. This system is also constructed from materials that are both chemical resistant and resistant and rust-proof, ensuring longevity and reliability, even in challenging environments.

The Mini-78 drainage system is remarkably easy to install without the need for trenches. This not only saves time but also minimises disruption to your property. Its watertight and secure protection mechanisms ensure your property remains safeguarded against leaks and water-related damage.

The non-directional design of this system eliminates the complexity of right or left-handed fittings, streamlining the installation process and reducing the risk of error. These combined benefits make the Mini-78 channel drainage system a smart and efficient choice for a wider range of construction and renovation projects.

Another standout feature is its discreet and minimalistic design, ensuring it seamlessly blends into any environment without disrupting the aesthetics. Polycon offers a diverse selection of coloured gratings, allowing you to customize the channel's appearance to match your design preferences or surroundings. Additionally, a full range of accessories, including end caps, connectors, and outlets, simplifying installation and customisation.



### Load Class



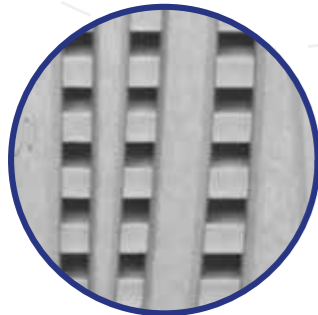
A15  
1.5 tonnes

### Applications

- Landscaping areas
- Pools and leisure
- Gardens
- Playgrounds

# MINI-78 Channel - Overview

## Colour Options

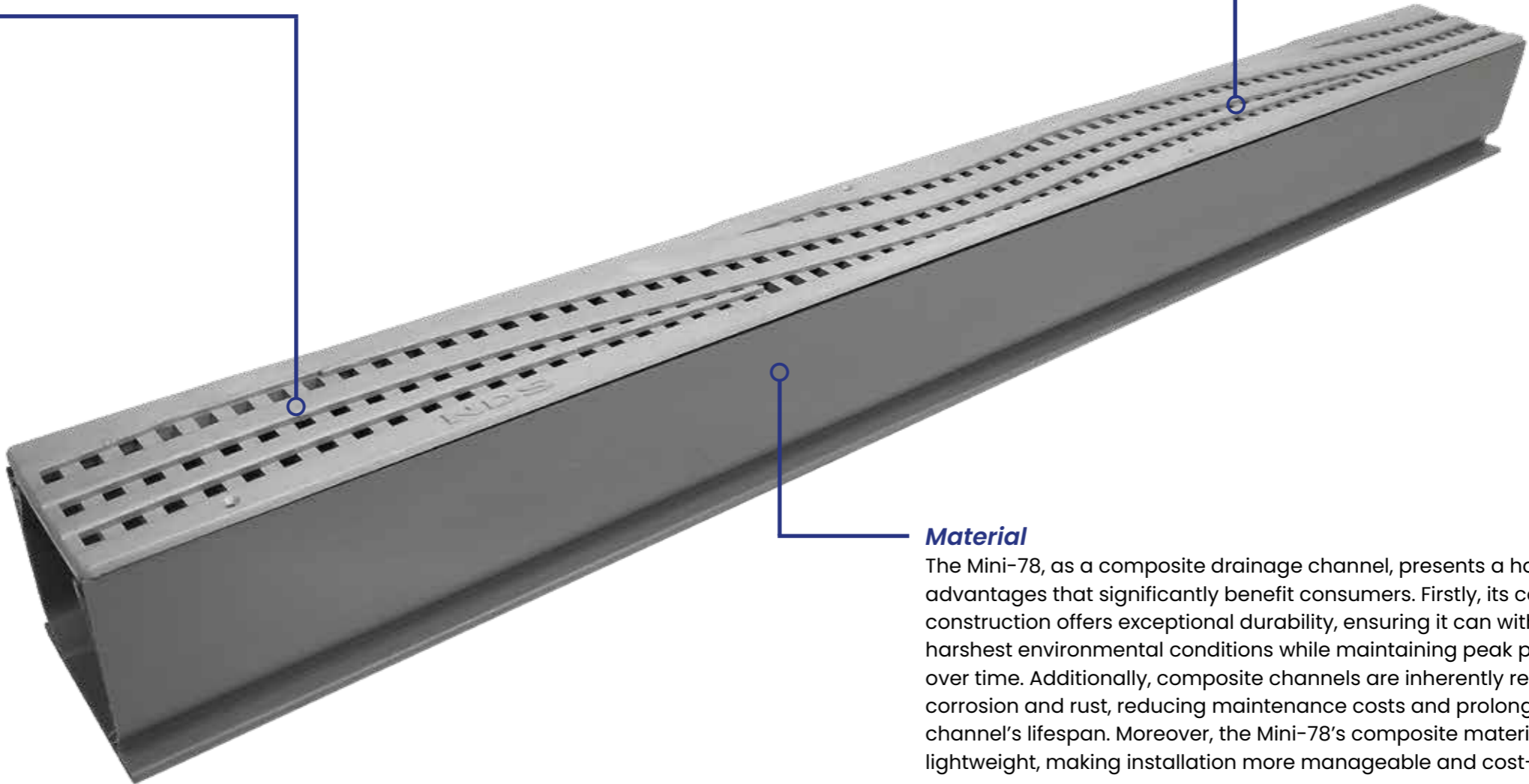


### Grating Options

Polycon's Mini-78 channel stands out as an exceptional drainage solution, offering both versatility and aesthetic appeal. The slotted grating option, provides an impressive array of five distinct colours, allowing customers to harmonize the drainage system with their specific design preferences or the surrounding environment effortlessly. Furthermore, the wave grating offers three unique colour choices, adding even more versatility to their product range. With this broad spectrum of colour options available, the Mini-78 channel not only excels in functionality but also enhances the visual appeal of any residential space.



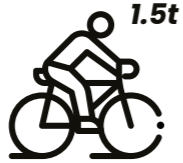
SAFEHEEL



### Material

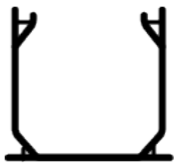
The Mini-78, as a composite drainage channel, presents a host of advantages that significantly benefit consumers. Firstly, its composite construction offers exceptional durability, ensuring it can withstand the harshest environmental conditions while maintaining peak performance over time. Additionally, composite channels are inherently resistant to corrosion and rust, reducing maintenance costs and prolonging the channel's lifespan. Moreover, the Mini-78's composite materials are lightweight, making installation more manageable and cost-effective.

## Load Classes



A15

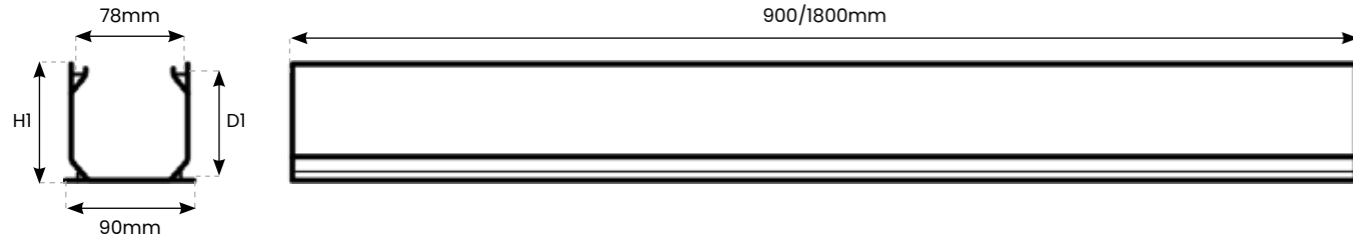
## Depth Options



80mm

# MINI-78 Channel

The Mini-78 drainage channel supplied by Polycon offers a discreet design, multiple different options for customisation, a comprehensive range of accessories, durability, and ease of installation, making it an excellent choice for residential settings.



## Accessories

The corner unit for the Mini-78 allows for seamless turns and angles in your drainage system. It provides a tidy and functional solution for redirecting water flow around corners.

End caps are used at the end of the channel run to stop the flow of water.

The channel Connector simplifies the process of extending or joining multiple Mini-78 drainage channels together. It allows for a secure and watertight connection between two channel sections.

The outlet connector is a crucial accessory for the Mini-78 drainage channel, providing a connection point to direct collected water to the desired outlet, such as a drain or sewer system.



Corner Unit



Outlet



End Cap



Connector

## Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)	Outlet
CU.MINI.78	Mini-78 Corner Unit	100mm	80mm	78mm	0.5kg	-
O.MINI.78	Mini-78 Outlet	15mm	80mm	78mm	0.1kg	110mm
C.MINI.78	Mini-78 Connector	30mm	80mm	78mm	0.3kg	-
EC.MINI.78	Mini-78 End Cap	22mm	80mm	78mm	0.4kg	-

# Grating Options- 78mm



Slotted Black (A15)



Slotted Tan (A15)



Slotted White (A15)



Slotted Green (A15)



Slotted Red (A15)



Wave Black (A15)



Wave Tan (A15)



Wave Grey (A15)

## Channel / Grating - Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth (H1)	Internal Depth (D1)	Load Class	Safe Heel
MINI.78.SGB	Mini-78 Channel + Slotted Grating Black	900/1800mm	78mm	90mm	80mm	70mm	A	Yes
MINI.78.SGT	Mini-78 Channel + Slotted Grating Tan	900/1800mm	78mm	90mm	80mm	70mm	A	Yes
MINI.78.SGW	Mini-78 Channel + Slotted Grating White	900/1800mm	78mm	90mm	80mm	70mm	A	Yes
MINI.78.SGG	Mini-78 Channel + Slotted Grating Green	900/1800mm	78mm	90mm	80mm	70mm	A	Yes
MINI.78.SGR	Mini-78 Channel + Slotted Grating Red	900/1800mm	78mm	90mm	80mm	70mm	A	Yes
MINI.78.WGB	Mini-78 Channel + Wave Grating Black	900/1800mm	78mm	90mm	80mm	70mm	A	Yes
MINI.78.WGT	Mini-78 Channel + Wave Grating Tan	900/1800mm	78mm	90mm	80mm	70mm	A	Yes
MINI.78.WGG	Mini-78 Channel + Wave Grating Grey	900/1800mm	78mm	90mm	80mm	70mm	A	Yes

# NDS PRO SERIES

## NDS Pro Series

The NDS Pro Series drainage Channel is a cutting-edge solution designed to excel in various drainage applications. One of its standout features are the extended side ribs, which significantly enhances channel strength. These robust side ribs provide exceptional support, ensuring the system can bare substantial loads and endure challenging environmental conditions.

What sets the NDS Pro Series apart is its ingenious Qwik-Turn coupling technology. This feature enables the effortless creation of curved channels, providing unparalleled design flexibility. Whether you're working on a landscaping project with winding pathways or need a drainage system to conform to unique layouts, the Qwik-Turn coupling simplifies the process, making it suitable for a wide range of applications.

To further ensure the longevity of the NDS Pro Series, UV inhibitors are incorporated into the channel material. This prevents fading and cracking due to prolonged sun exposure, preserving both the aesthetics and structural integrity of the system. This UV resistance is particularly valuable for outdoor installations, where the channel must maintain its performance and appearance over time.

The NDS Pro Series Drainage Channel also boasts bottom outlets and side knockouts, offering approximately 8 knockouts per channel section. This feature grants engineers and installers' unparalleled design and installation flexibility. The system can be customised to fit specific project requirements with ease, minimizing material waste and streamlining the installation process. This level of adaptability makes the NDS Pro Series a top choice for professionals seeking efficiency and versatility in drainage solutions.



### Load Class



A15  
1.5 tonnes

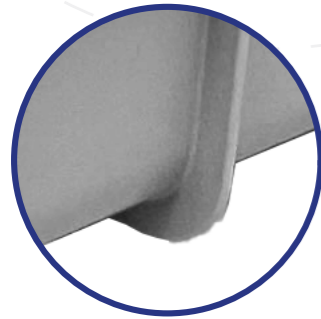


B125  
12.5 tonnes

### Applications

- Landscaping areas
- Courtyards
- Plazas
- Pool areas
- Sports facilities

# NDS Pro Series - Overview



## Channel Ribs

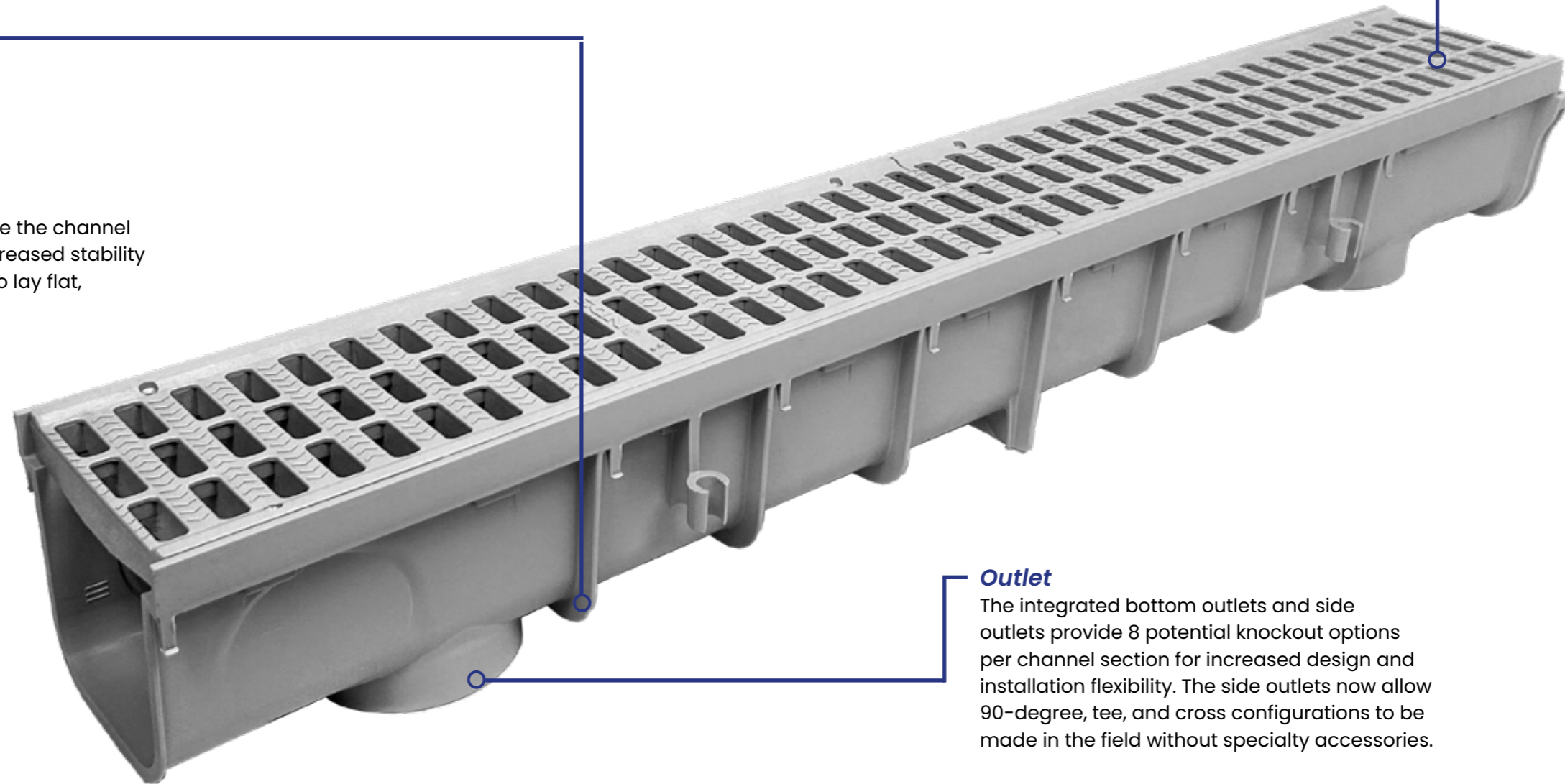
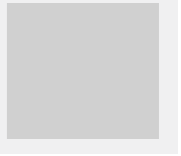
The channel's external ribs provide the channel with exceptional strength and increased stability whilst also allowing the channel to lay flat, easing the installation process.

## Material

The NDS Pro Series system is a lightweight, drainage channel made from polyethylene. This material boasts a robust exterior whilst also being extremely lightweight. This aids in eliminating labour costs due to minimal / no machinery needed for its installation. It is a durable solution for urban projects and its enhanced protection means water vapour cannot pass through it.

## Colour Options

Grey



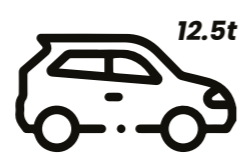
## Outlet

The integrated bottom outlets and side outlets provide 8 potential knockout options per channel section for increased design and installation flexibility. The side outlets now allow 90-degree, tee, and cross configurations to be made in the field without specialty accessories.

## Load Classes

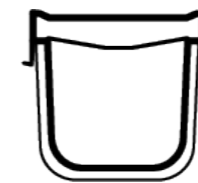


A15



B125

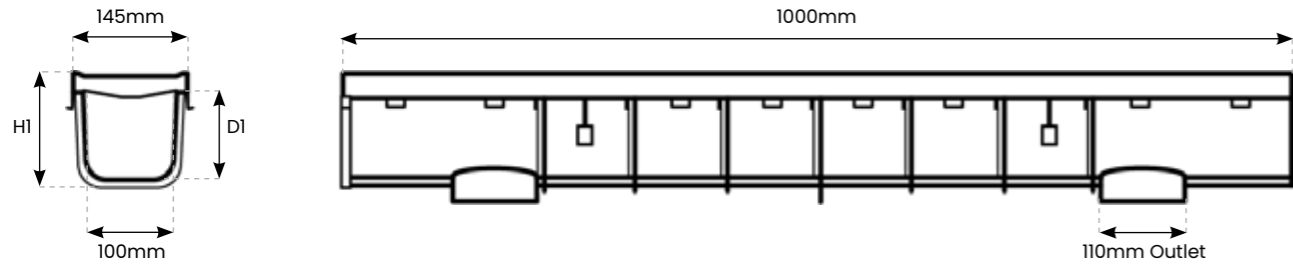
## Depth Options



140mm

# NDS Pro Series

The NDS Pro Series channel is a lightweight drainage system, designed with a multitude of advantages. Its modular design offers great flexibility as each section of the channel can be snapped together for longer runs or divided down to lengths as short as 4" for smaller, interlocking sections.



## Accessories

### Qwik-Turn Radius Coupling

The NDS Pro Series Qwik-Turn Radius Coupling allows for curving layouts with up to 6 degrees of deflection between couplings and channels – NDS is the only drainage manufacturer to offer this incredible ability.



Qwik-Turn Radius Coupling

### End Cap & Outlet

End caps are used at the end of the channel run to stop the flow of water. The outlet can be used to direct the flow of water towards an external drainage system.



End Cap / Outlet

## Accessories - Specifications

Reference	Description	Height (H)	Overall Width	Length	Load Class	Outlet
QTRC.NDS.PS.W	NDS Pro Series Qwik-Turn Radius Coupling White	140mm	145mm	60mm	A/B	-
QTRC.NDS.PS.G	NDS Pro Series Qwik-Turn Radius Coupling Grey	140mm	145mm	60mm	A/B	-
ECO.NDS.PS	NDS Pro Series End Cap Outlet	125mm	140mm	50mm	-	110mm

## Grating Options



Grey Grating (B125)



Black Grating (B125)



White Grating (B125)



Tan Grating (B125)

## Channel / Grating - Specifications

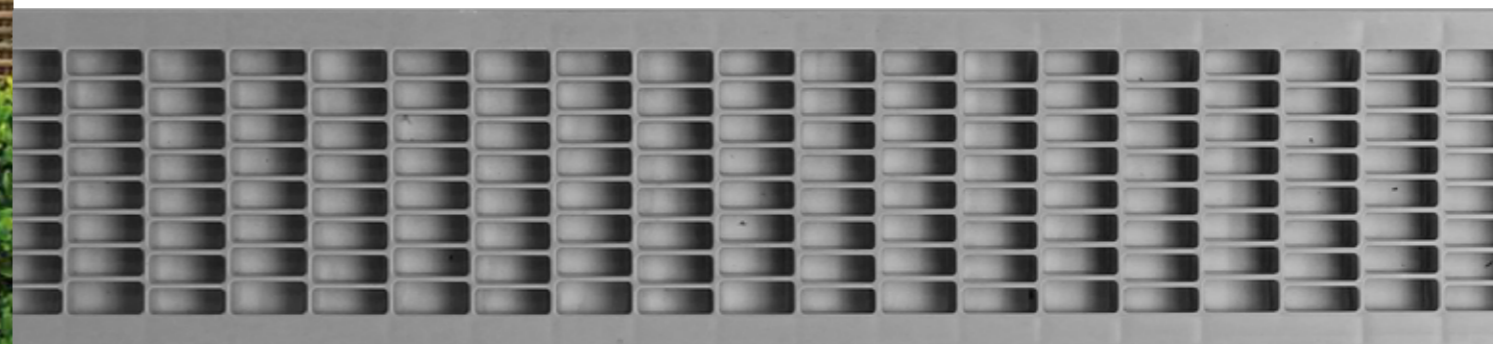
Reference	Description	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Load Class	Safe Heel
NDS.PS.GG	NDS Pro Series Channel + 2x 500mm Grey Grating	100mm	145mm	140mm	90mm	A/B	-
NDS.PS.BG	NDS Pro Series Channel + 2x 500mm Black Grating	100mm	145mm	140mm	90mm	A/B	-
NDS.PS.WG	NDS Pro Series Channel + 2x 500mm White Grating	100mm	145mm	140mm	90mm	A/B	-
NDS.PS.TG	NDS Pro Series Channel + 2x 500mm Tan Grating	100mm	145mm	140mm	90mm	A/B	-

# PEGASUS Channel

## PEGASUS Channel

The Pegasus Drainage system is designed with a streamlined profile, ensuring efficient water flow and the prevention of water build-up or pooling, keeping your property safe and protected. The channels design and shallow profile facilitate a straightforward installation, reducing labour time and costs. Additionally, its grating is easily removable for maintenance purposes, ensuring a hassle-free upkeep and cleaning process.

The Pegasus channel boasts a sleek and modern design, allowing you to create an eye catching environment. Due to its unobtrusive appearance, the Pegasus channel complements the surrounding landscapes whilst effectively performing its drainage function. At Polycon we are committed to maintaining high industry standards, ensuring that the Pegasus drainage channel meets all necessary regulations and quality requirements



### Load Class

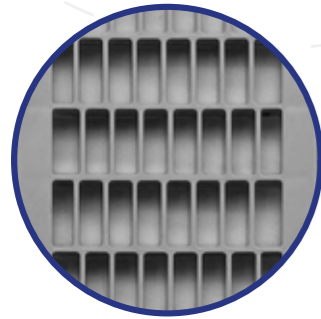


A15  
1.5 tonnes

### Applications

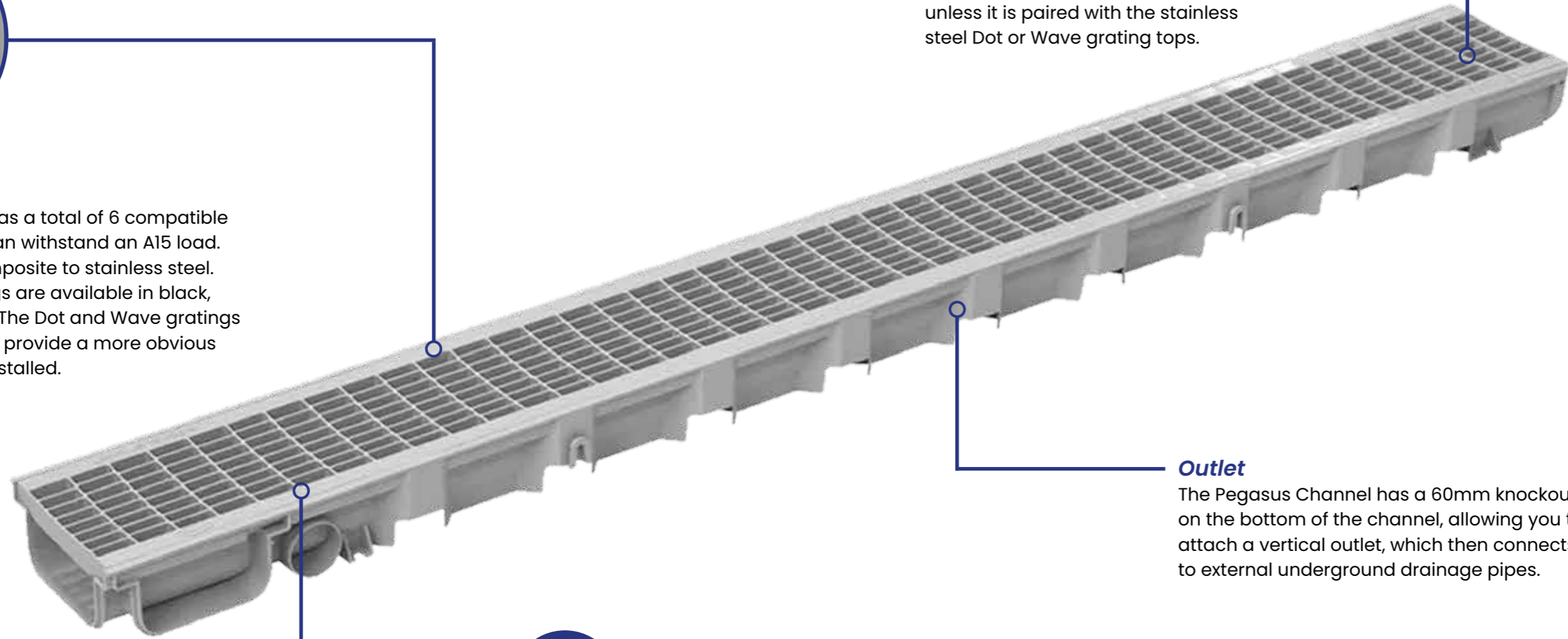
- Patios
- Porcelain Paved Areas
- Paved Areas
- Natural Stone

# PEGASUS Channel - Overview



## Grating Options

The Pegasus system has a total of 6 compatible grating options that can withstand an A15 load. These range from composite to stainless steel. The composite gratings are available in black, white, grey, and sand. The Dot and Wave gratings are stainless steel and provide a more obvious aesthetic look when installed.

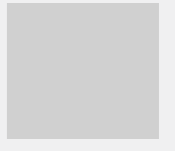


## Material

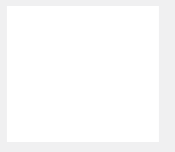
The Pegasus channel base is made from a strong yet lightweight composite material. This makes for an easy installation whilst ensuring a reliable solution that can withstand pedestrian traffic. The system comes as a complete composite system unless it is paired with the stainless steel Dot or Wave grating tops.

## Colour Options

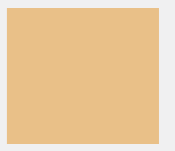
Grey



White



Sand



Black



## Outlet

The Pegasus Channel has a 60mm knockout on the bottom of the channel, allowing you to attach a vertical outlet, which then connects to external underground drainage pipes.



SAFEHEEL

## Load Classes



A15

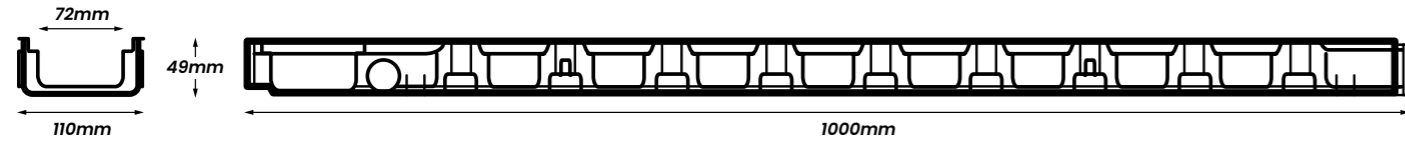
## Depth Options



49mm

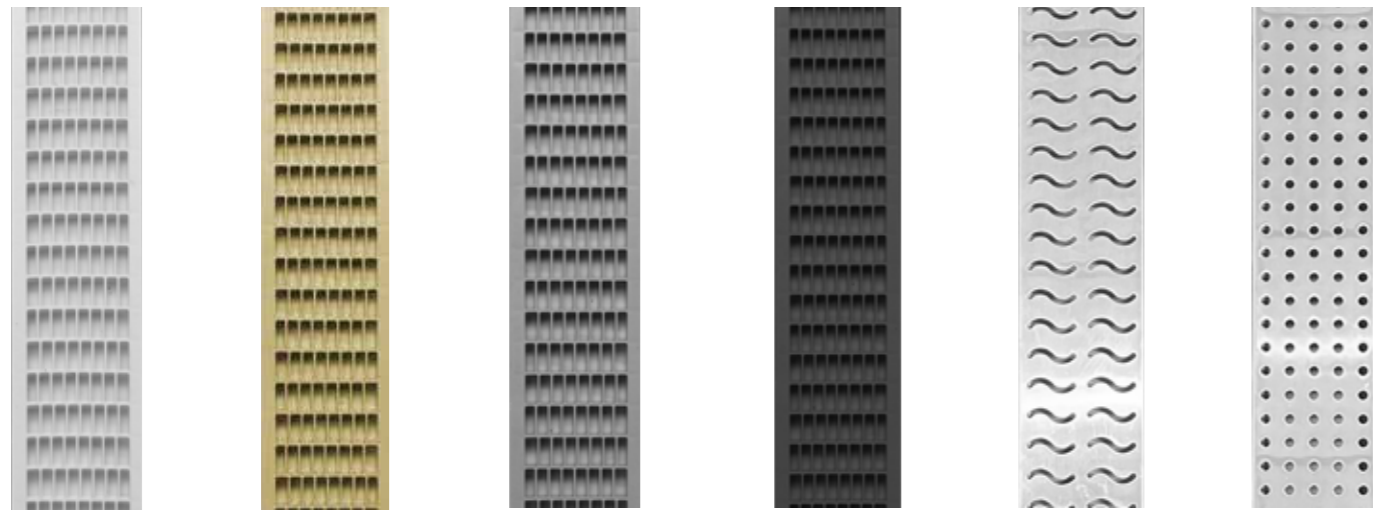
# PEGASUS Channel - 49mm

The Pegasus Channel is one of the shallowest channels in the industry with a depth of just 49mm. This makes it ideal for any urbanised areas where there is limited room for excavation. This Channel has a load class for A15 (1.5 Tonne) and is suitable for urban and domestic areas where slow-moving traffic and pedestrians will be traveling across the channel.



\*Colour is dependent on the channel selected

## Grating Options - 49mm



Composite Mesh White (A15)

Composite Mesh Sand (A15)

Composite Mesh Grey (A15)

Composite Mesh Black (A15)

Stainless Steel Wave (A15)

Stainless Steel Dots (A15)

### Grating - Specifications

Reference	Description	Length	Slot Width/Diameter	Overall Width	Load Class	SafeHeel
GR.PEG.W	Composite Mesh White	1000mm	7mm	90mm	A15	✓
GR.PEG.S	Composite Mesh Sand	1000mm	7mm	90mm	A15	✓
GR.PEG.G	Composite Mesh Grey	1000mm	7mm	90mm	A15	✓
GR.PEG.B	Composite Mesh Black	1000mm	7mm	90mm	A15	✓
GR.PEG.WV	Stainless Steel Wave	1000mm	4mm	90mm	A15	✓
GR.PEG.D	Stainless Steel Dots	1000mm	6mm	90mm	A15	✓

# Accessories

## Accessories

- End Caps
- End Cap Outlets



### End Cap Outlets

End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.



### End Caps

End caps for the Pegasus Channel can be used at the end of your channel run to stop the flow of water.



### Accessories - Specifications

Reference	Description	Height	Overall Width	Weight (KG)	Load Class	Outlet
EC.ECO.PEG.W	End Cap / End Cap Outlet White	49mm	90mm	-	A15	30mm
EC.ECO.PEG.S	End Cap / End Cap Outlet Sand	49mm	90mm	-	A15	30mm
EC.ECO.PEG.G	End Cap / End Cap Outlet Grey	49mm	90mm	-	A15	30mm
EC.ECO.PEG.B	End Cap / End Cap Outlet Black	49mm	90mm	-	A15	30mm



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