

# Nicoll Hydraulic Channels Solutions

Nicoll

Designed and made using synthetic materials (polypropylene or PVC), Nicoll's latest generation of professional hydraulic channel systems comes in two ranges – CONNECTO® and KENADRAIN® – offering incomparable hydraulic performance.

CONNECTO® and KENADRAIN® are professional ranges of hydraulic channels for both, light-duty (garages, driveways, patios, swimming pools, terraces etc.) and heavy-duty applications (car parks, petrol stations, roads, hard shoulders etc.), meeting the highest environmental demands in run-off water management.

These prefabricated systems, thanks to their male-female interlocking assembly and their complete range of accessories (vertical, side outlets, and sump units) enable an easy installation and integrate perfectly into the drainage network. Compatible with all types of connections, these systems are aesthetic, light, and watertight.

## Optimal Quality for carefree drainage

- Excellent runoff performance: drainage, assembly in line with water flow and roughness coefficient to reduce deposits.
- Wide range of grids for integration into all surroundings.
- An offer for all construction types: from class A15 to class E600.
- Options for a low model (height < 6 cm) for integration into built-up screed or a concrete slab (swimming pools, terraces).
- Perfectly watertight over time.
- Large cap diameters to promote faster water management.

## CONNECTO®

**Applications: For single dwellings, swimming pool, parks and gardens**

CONNECTO® is made Polypropylene except shallow channel drains made of PVC. It is a genuinely modular system that can adapt to all the various fitting configurations: drainage channel, end cap/outlet base, vertical tapping. It offers innovative solutions such as the new invisible slot grating and new PVC gratings enabling expansion management.

Spigot/socket system for improved straightness and correct water flow and a joint system for guaranteed watertightness.

Screw fastening system for gratings. Safe to install.

Anti-UV treated gratings for resistance to ageing.

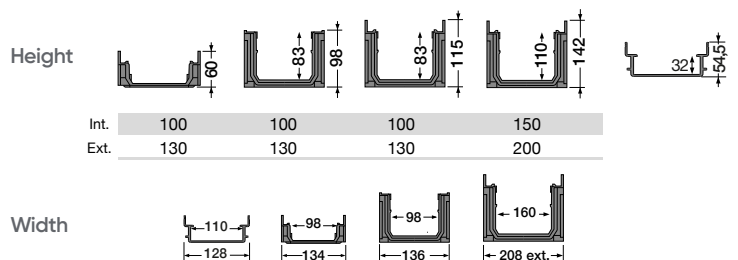
Grating locked lengthways by positioning brackets for easy installation and improved safety.



## CONNECTO® Range



- Load classes : from A15 to C250
- Large choice of gratings in different materials (PVC, polyamide, ductile iron, galvanized and stainless steel) and designs (slotted, mesh, invisible slot)
- Large range of accessories (horizontal, vertical outlets)
- Length available in 0.5, 1 and 4 m



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## KENADRAIN®

**Applications: For urban development and public works**

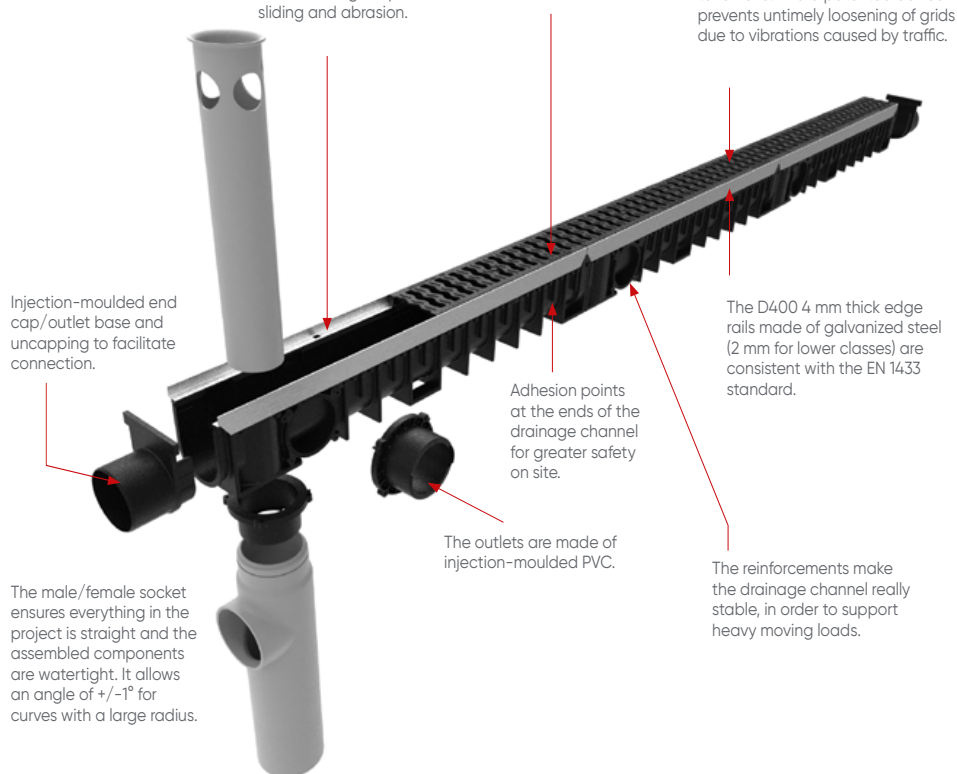
Kenadrain® is the most robust system on the market thanks to the use of galvanized steel edges. Designed with injection moulded Polypropylene, this new generation of Nicoll drainage system offers decisive advantages against traditional materials.

The male/female interlocking system makes assembly easy and in straight line.

The grids are locked in place – both length ways and sideways – by edge rails and snugs to prevent sliding and abrasion.

The drainage channels come with grids already fitted for quick and easy installation.

The screws and nuts are treated with an anti-corrosion agent and an anti-friction agent to ensure they are easy to remove. And a patented device prevents untimely loosening of grids due to vibrations caused by traffic.



Injection-moulded end cap/outlet base and uncapping to facilitate connection.

The male/female socket ensures everything in the project is straight and the assembled components are watertight. It allows an angle of +/-1° for curves with a large radius.

Adhesion points at the ends of the drainage channel for greater safety on site.

The outlets are made of injection-moulded PVC.

The D400 4 mm thick edge rails made of galvanized steel (2 mm for lower classes) are consistent with the EN 1433 standard.

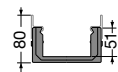
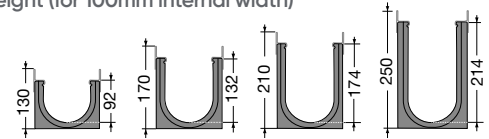
The reinforcements make the drainage channel really stable, in order to support heavy moving loads.

## KENADRAIN® Range



- Load classes : from A15 to E600
- Length available 1m
- Large range of grids in terms of material: PVC, Galvanized Steel, Stainless Steel, Polyamide and Ductile Iron.
- 6 grid designs available to fit your requirements: Slotted, Slotted & Wavy, Heel, Steel Mesh, Perforated and Slot.

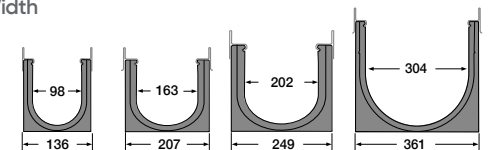
### Height (for 100mm internal width)



For integration into concrete slabs or shallow screeds, Nicoll has designed a drainage channel with a total height of 80 mm.

Int. 100 150 200 300

### Width



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