



RECYFIX MONOTEC ULTRA

Monolithic* Drainage Channel
for Heavy Duty Applications



RECYFIX MONOTEC ULTRA

ULTRA strong and ULTRA durable

Where many channel systems fail, the RECYFIX MONOTEC ULTRA brings safety - for a long time. The heavy-duty professional is perfectly suited wherever dynamic loads occur. For example, on logistics and industrial sites, motorways, ports and container terminals. The channel is available in nominal widths of 200 and 300.



Product features and your benefits:

Unbreakable RECYFIX material

The recycled composite RECYFIX made of recycled polypropylene (PP) is the ideal material for drainage systems: light, robust, environmentally friendly and durable. The smooth surface ensures excellent flow behaviour of the surface water.

Monolithic channel with lateral wings

Monolithic drainage channels are manufactured by HAURATON from two parts. The RECYFIX MONOTEC ULTRA consists of a shatterproof channel body and an extremely robust ductile iron grating. Lateral wings ensure an optimised connection to the concrete surface.

Extremely robust ductile iron grating

The grating made of highly stable spheroidal ductile iron is corrosion-resistant, resistant to chemicals and extremely robust for load classes up to F 900 - tested according to DIN EN 1433. When installed, the channel is firmly anchored in the ground and is safe against vandalism. It is fully encased in the surrounding surface without any protruding elements which makes it particularly suitable for dynamic loads and high frequencies.

*Monolithic channels are manufactured from two parts at HAURATON.

A solution for the particularly demanding cases: RECYFIX MONOTEC ULTRA

The Kirchhoff factory site in Attendorn is a bustling place: constant forklift traffic and around 15 heavy goods vehicles cross the area to be drained on average every day. The previously installed drainage channels were not up to these requirements. A renovation was needed.

HAURATON was able to convince with the RECYFIX MONOTEC ULTRA 300. With the new, reliable and permanently safe drainage system, the area is back in operation and ready for maximum heavy-duty traffic. A total of 28 metres of channel were installed in the project, along with 3 sump units that serve as drains and at the same time as inspection access.





RECYFIX MONOTEC ULTRA


Your Benefits:


- **ULTRA robust**
- **ULTRA safe**
- **ULTRA durable**


RECYFIX MONOTEC ULTRA channels comply with DIN EN 1433 and are suitable for use in the following load classes:


A 15
 **Class A 15, test load 15 kN**
 Traffic areas that can only be used by pedestrians and cyclists.

B 125
 **Class B 125, test load 125 kN**
 Pavements, pedestrian zones and similar areas, car parking areas and car parking decks.

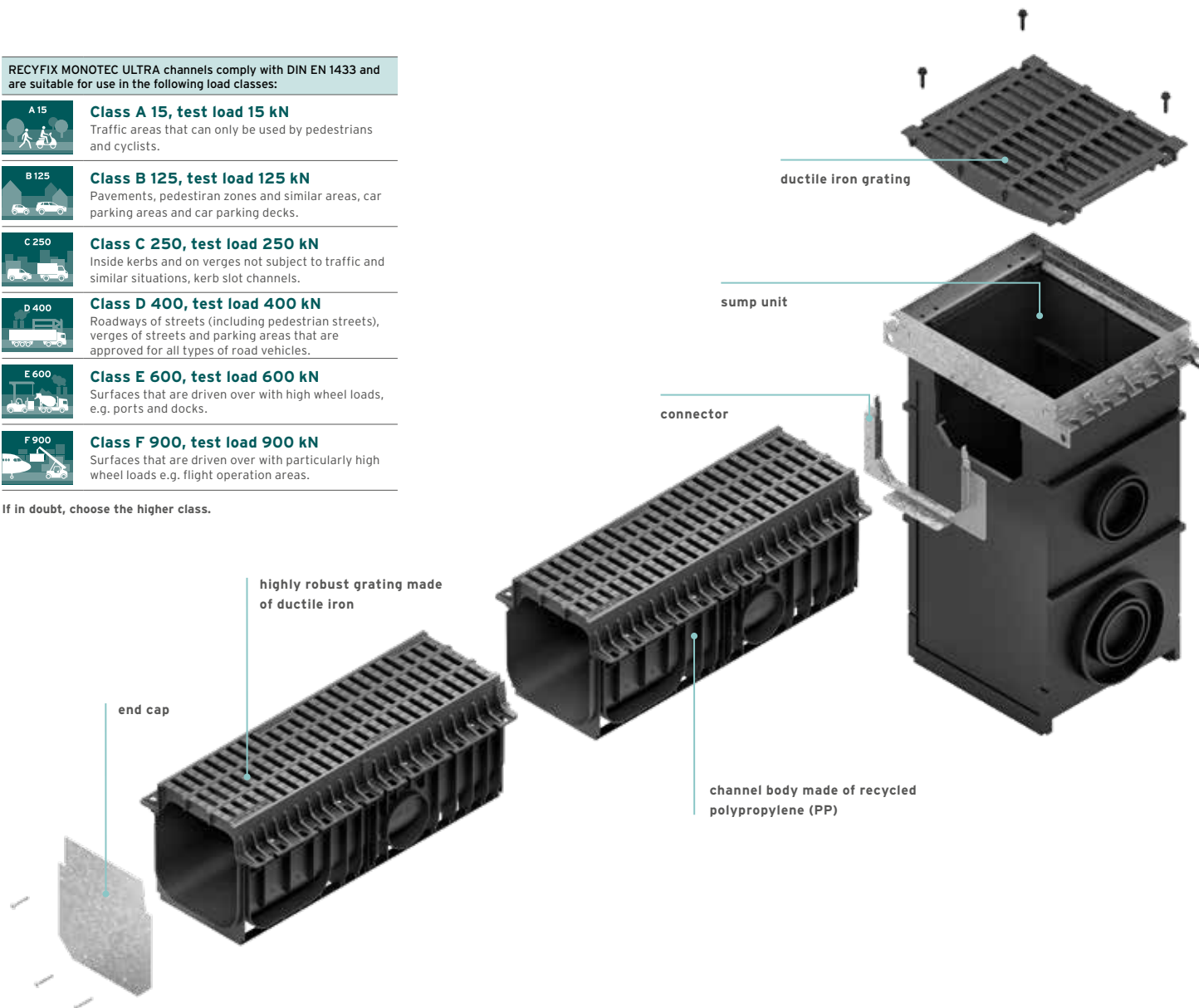
C 250
 **Class C 250, test load 250 kN**
 Inside kerbs and on verges not subject to traffic and similar situations, kerb slot channels.

D 400
 **Class D 400, test load 400 kN**
 Roadways of streets (including pedestrian streets), verges of streets and parking areas that are approved for all types of road vehicles.

E 600
 **Class E 600, test load 600 kN**
 Surfaces that are driven over with high wheel loads, e.g. ports and docks.

F 900
 **Class F 900, test load 900 kN**
 Surfaces that are driven over with particularly high wheel loads e.g. flight operation areas.

If in doubt, choose the higher class.



Challenges in heavy load drainage

Drainage of heavy-duty traffic areas



The heavy-duty sector includes logistics areas, port facilities and airports, among others. Lorries, reach stackers or aircraft roll over these traffic areas and thus also over the drainage systems. They have to withstand the high loads and dynamic forces in the long term for safe heavy-load drainage.

Load classes in heavy goods traffic

The European standard EN 1433 regulates the requirements for linear drainage channels that collect water from surfaces used by pedestrians and / or vehicles. In addition to the six classes, planning and test requirements, markings and quality controls are defined. When classifying the load classes, installation situations and test forces are the most important criteria. They are divided into classes A 15 to F 900.

More about load classes:

or under
[hauraton.solutions/load-classes](https://hauraton.com/solutions/load-classes)



Dynamic loads

Dynamic forces and increased traffic frequency change the demands on drainage systems. In case of doubt, it is essential to consider the entire installation situation on a project-specific basis. Since a wide variety of factors must be taken into account and other load models can also be used for calculations, individual project consultation is important.

Design Service

HAURATON offer a comprehensive design service for all product ranges. This is available free of charge and without obligation. Our approach is to provide innovative 'value-engineered' designs to achieve the most cost-effective drainage solution for the benefit of all parties.



Information offered includes:

- Hydraulic calculations
- System & product drawings
- Parts list schedules
- Installation drawings
- Technical datasheets



hauraton.solutions/recyfix-monotec-ultra-en

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