

**MEARIN**  
**ULTRA LIGHT**  
**HIGH**  
**PERFORMANCE**  
**DRAINAGE SYSTEM**  
**FOR PROFESSIONALS**



**HIGH QUALITY GRP DRAINAGE SYSTEM**

FLEXIBLE PROFESSIONAL DRAINAGE SOLUTION FOR ALL APPLICATIONS

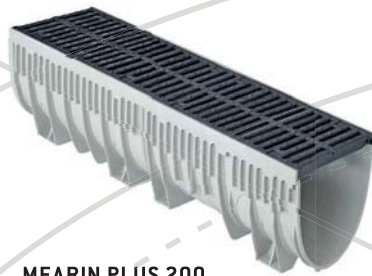
MEARIN PLUS AND EXPERT



**MEARIN PLUS 300**

Clear width: 300 mm  
Total width: 336 mm  
Total height: 397 mm

- ✓ Drainage channel body without slope
- ✓ With a fiberglass composite edge
- ✓ Loading classes A 15 up to D 400



**MEARIN PLUS 200**

Clear width: 200 mm  
Total width: 236 mm  
Total height: 242 mm

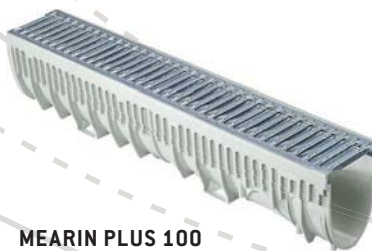
- ✓ Drainage channel body without slope
- ✓ With a fiberglass composite edge
- ✓ Loading classes A 15 up to D 400



**MEARIN PLUS 150**

Clear width: 150 mm  
Total width: 186 mm  
Total height: 187 mm

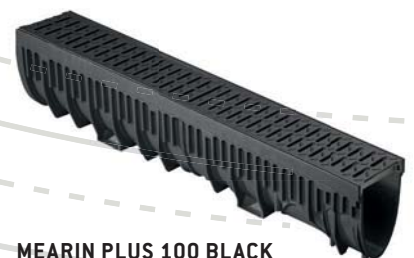
- ✓ Drainage channel body without slope
- ✓ With a fiberglass composite edge
- ✓ Loading classes A 15 up to D 400



**MEARIN PLUS 100**

Clear width: 100 mm  
Total width: 136 mm  
Total height: 158 mm

- ✓ Drainage channel body without slope
- ✓ With a fiberglass composite edge
- ✓ Loading classes A 15 up to D 400



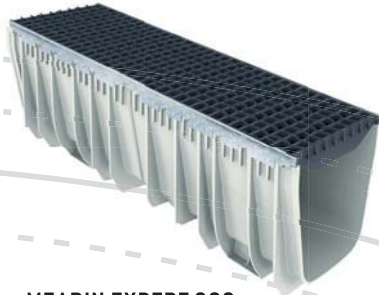
**MEARIN PLUS 100 BLACK**

Clear width: 100 mm  
Total width: 136 mm  
Total height: 158 mm

- ✓ Drainage channel body without slope
- ✓ With a fiberglass composite edge
- ✓ Loading classes A 15 up to D 400



# MEARIN SYSTEM OVERVIEW

**MEARIN EXPERT 300**

Total width: 300 mm  
Total width: 332 mm  
Total height: 397 mm

- ✓ Drainage channel body without slope
- ✓ With a galvanised edge
- ✓ Loading classes A 15 up to E 600

**MEARIN EXPERT 200**

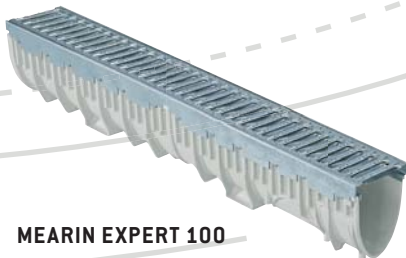
Total width: 200 mm  
Total width: 232 mm  
Total height: 242 mm

- ✓ Drainage channel body without slope
- ✓ With a galvanised edge
- ✓ Loading classes A 15 up to E 600

**MEARIN EXPERT 150**

Clear width: 150 mm  
Total width: 182 mm  
Total height: 187 mm

- ✓ Drainage channel body without slope
- ✓ With a galvanised edge
- ✓ Loading classes A 15 up to E 600

**MEARIN EXPERT 100**

Clear width: 100 mm  
Total width: 132 mm  
Total height: 158 mm

- ✓ Drainage channel body without slope
- ✓ With a galvanised edge
- ✓ Loading classes A 15 up to E 600

# MEARIN PLUS AND MEARIN EXPERT FLEXIBLE PROFESSIONAL DRAINAGE SOLUTION FOR ALL APPLICATIONS

The MEARIN system enables the installation of channels without a mechanical support, and with significantly less personnel than with comparably heavy concrete channels. Perfect anchoring of the system in the concrete casing guarantees a quick and easy installation, and a highly stable construction of the drainage line.

Thanks to the highly stable GRP material, the MEARIN system is extremely break and abrasion resistant. The long-term resistant and highly smooth inner surface of

the drainage channel body, will continuously provide the best possible drainage values.

- ✓ Despite the minimal weight loading classes up to E 600 possible, unlike with most conventional PP, PE as well as other GRP channels.
- ✓ The innovative STARFIX quick release enables a quick and easy installation or removal of the grates and easy cleaning of the channels.

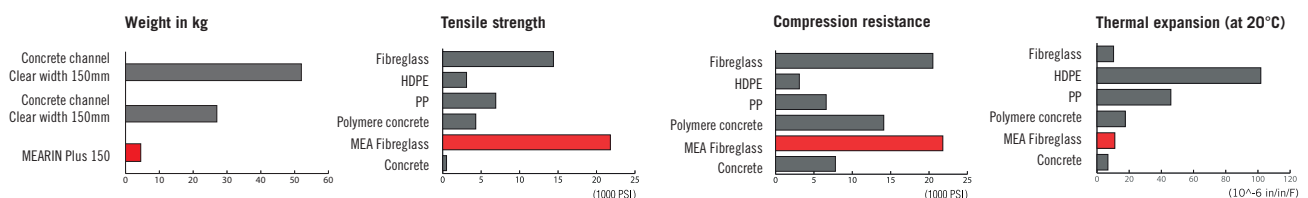
## MEARIN PLUS

- ✓ For the drainage of surfaces up to loading class D 400

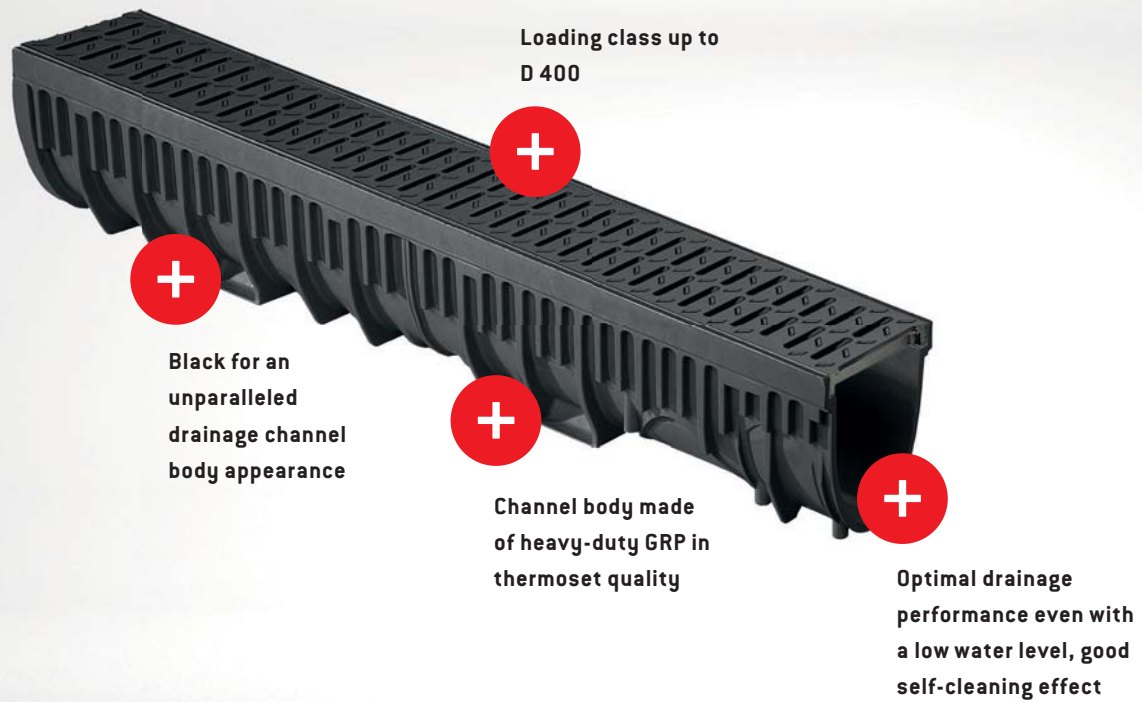
## MEARIN EXPERT

- ✓ For the drainage of surfaces up to loading class E 600

## Facts







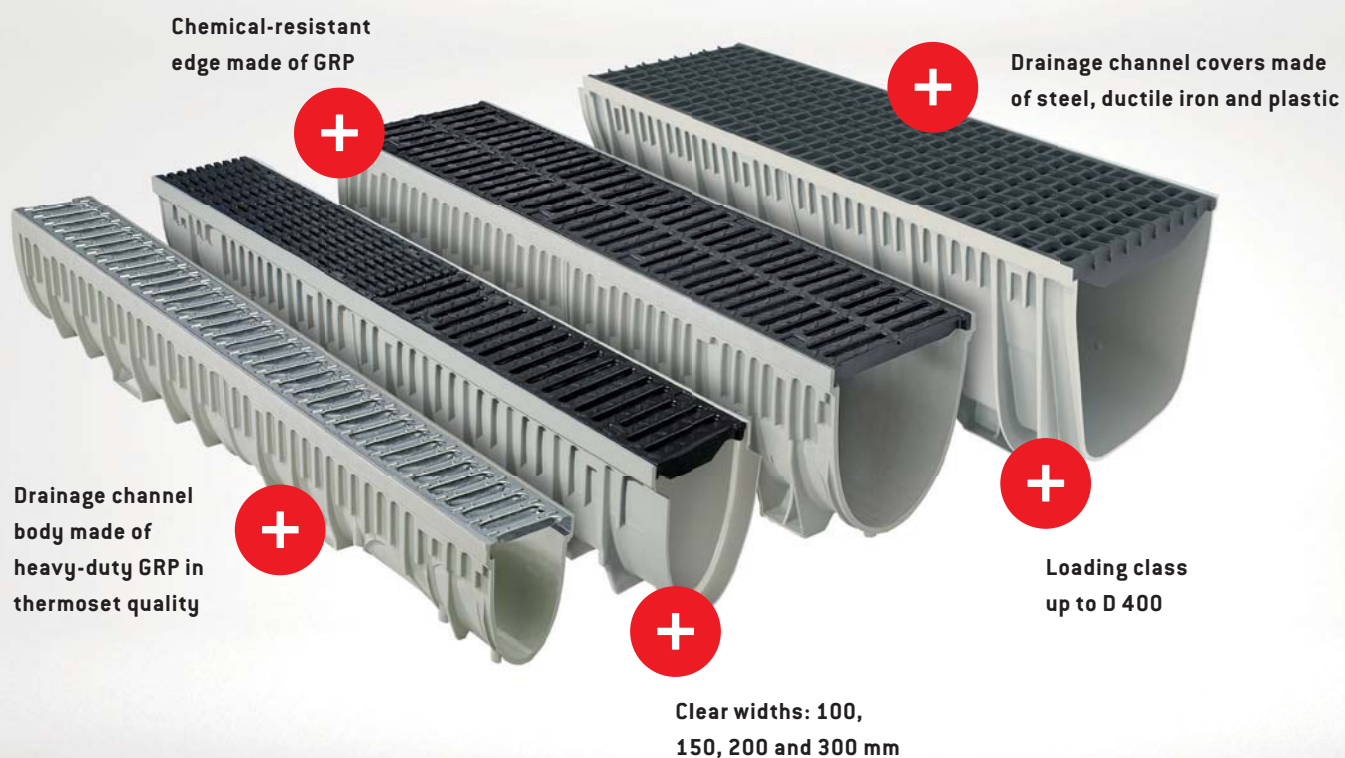
# MEARIN PLUS 100 BLACK LIGHT AND AESTHETIC (D 400)

## MEARIN PLUS 100 BLACK

The MEARIN BLACK drainage channel system is perfect to conduct a visually appealing drainage of parks and open spaces.

Highly resilient drainage channel body made of GRP in thermoset quality. The high-tech material is dimensionally stable, heat-resistant, abrasion-resistant and resistant to chemicals.

- ✓ Highly stable (up to class D 400)
- ✓ Perfect for dark, charcoal-coloured paving
- ✓ Channel made of GRP (highly stable glass-fibre-reinforced composite)
- ✓ No thermoplastic = no deformation!
- ✓ Permanently stable!
- ✓ Weather-resistant plastic gratings (no rust), slotted gratings made of galvanised steel and mesh gratings
- ✓ Sustainable: 100% recyclable



# MEARIN PLUS

## DRAINAGE SYSTEM WITH GRP EDGE (D 400)

### MEARIN PLUS

For applications in gardening and landscaping as well as in urban areas:

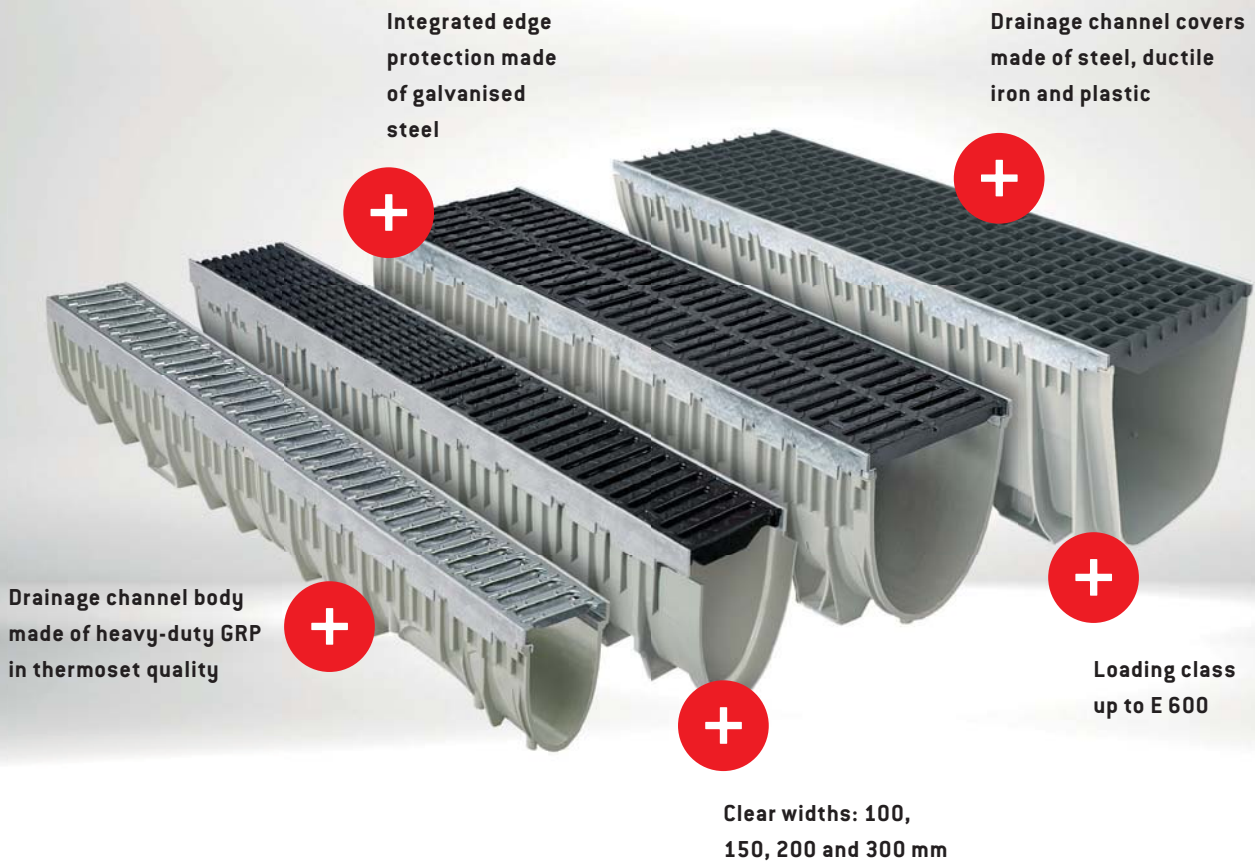
- ✓ Drainage channel body and edge completely made of GRP (highly stable glass-fibre-reinforced composite)
- ✓ Available in the clear widths: 100, 150, 200 and 300 mm
- ✓ Grating covers made of steel, ductile iron and plastic
- ✓ Areas of application: Public places, parking lots, gardening and landscaping
- ✓ Slope is available in all sizes through innovative attachment edges
- ✓ Loading class up to D 400

# MEARIN EXPERT DRAINAGE SYSTEM WITH EDGE PROTECTION MADE OF STEEL (E 600)

## MEARIN EXPERT

For applications in urban areas, on traffic routes and industrial areas:

- ✓ Drainage channel body made of GRP (highly stable glass-fibre-reinforced composite) with tightly integrated edge protection made of galvanised steel for high loads
- ✓ Available in clear widths: 100, 150, 200 and 300 mm
- ✓ Grating covers made of steel, ductile iron and plastic
- ✓ Areas of application: leisure facilities, industrial areas, workshops, streets and roads
- ✓ Loading class up to E 600



## MEARIN SYSTEM

- ✓ First complete and sealable channel system made of GRP
- ✓ Certified compliant to EN 1433 and CE

The drainage channel body made of GRP in thermoset quality guarantees a high resilience. It is dimensionally stable and temperature resistant through the high-tech material, and also abrasion and chemical resistant.




Practical and easy-to-use plug-in system for the precise assembly with versatile combination options

Drainage channel body made entirely of specially developed MEA GRP for drainage solutions up to the loading class E 600

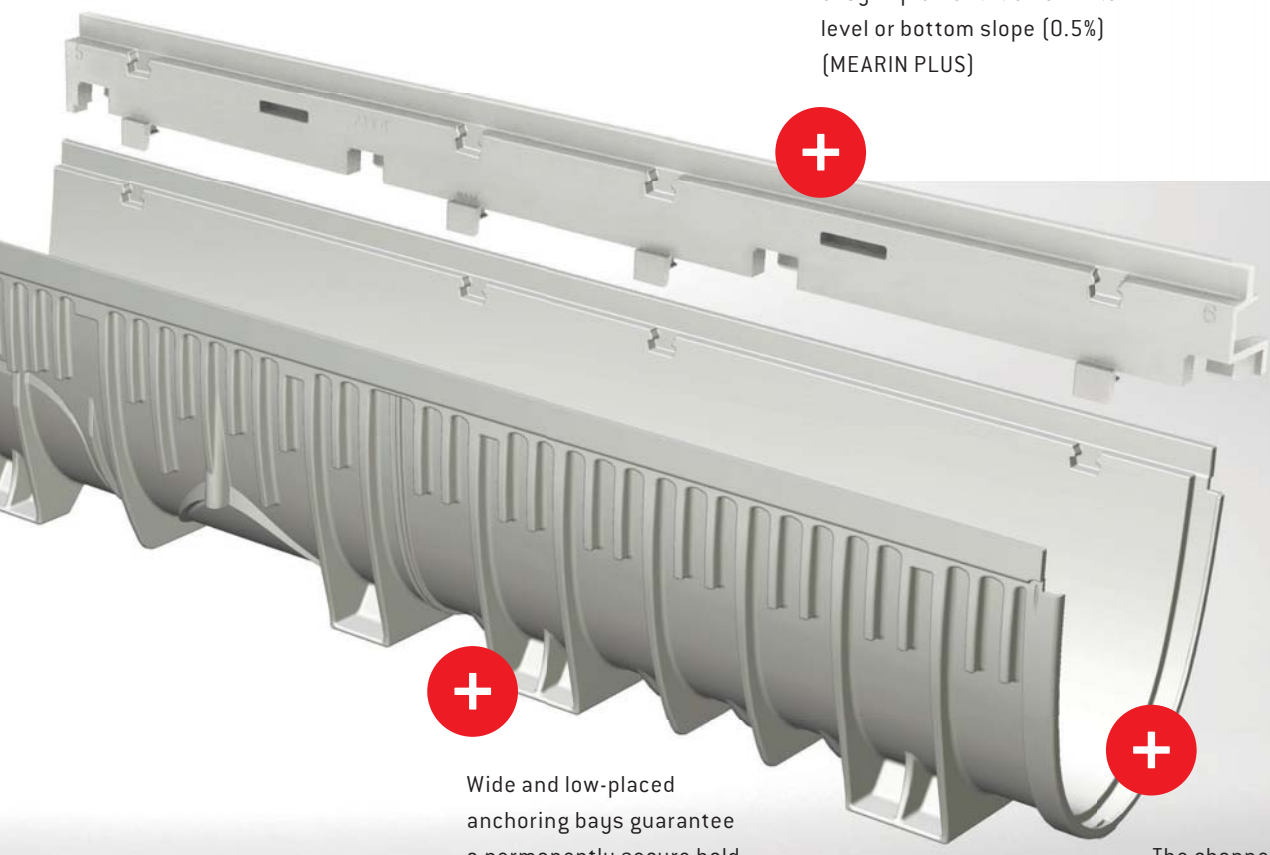




# COMPLETE SYSTEM WITH PERFECTLY MATCHED COMPONENTS



The innovative STARFIX grate protection system speeds up the installation and maintenance. This saves time and money. The 4-point lock prevents loose or rattling grates, and avoids longitudinal shifts.



Attachable slope edges for the easy implementation of water level or bottom slope (0.5%) (MEARIN PLUS)

Wide and low-placed anchoring bays guarantee a permanently secure hold in the concrete bed

The channel form ensures an optimal drainage performance even at low water levels, and ensures a good self-cleaning effect

# MEARIN PLUS SLOPE EDGES

## MEARIN PLUS SLOPE EDGES

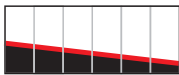
With the MEARIN PLUS is easily possible to achieve slope edges with 0,5% inclination and a water surface slope.

The edges are thereby simply clipped onto the channels, and are permanently fixed without screws, drilling or gluing. The resulting connection is able to withstand high loads and guarantees the maximum degree of flexibility.

- ✓ Easy and fast installation
- ✓ Light weight
- ✓ Significant increase in the drainage performance
- ✓ Construction heights of the drainage channel body including the edges from 195 to 240 mm
- ✓ Slope 0.5% per 1 meter channel strand
- ✓ Available for MEARIN PLUS systems in clear widths: 100, 150, 200 and 300 mm
- ✓ On request also for sediment bucket



Water level slope

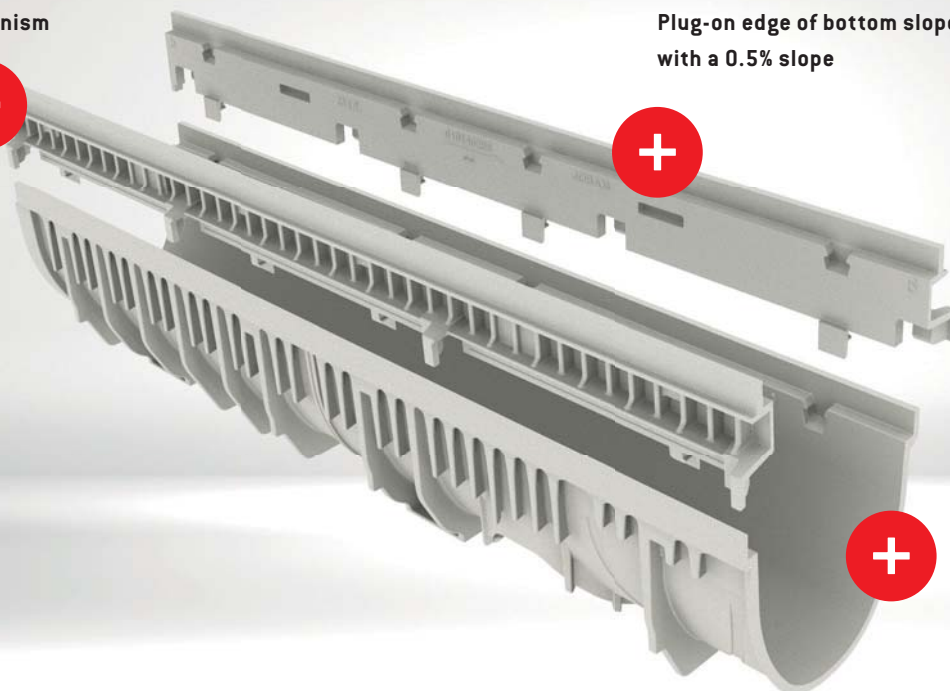


Bottom slope 0.5%

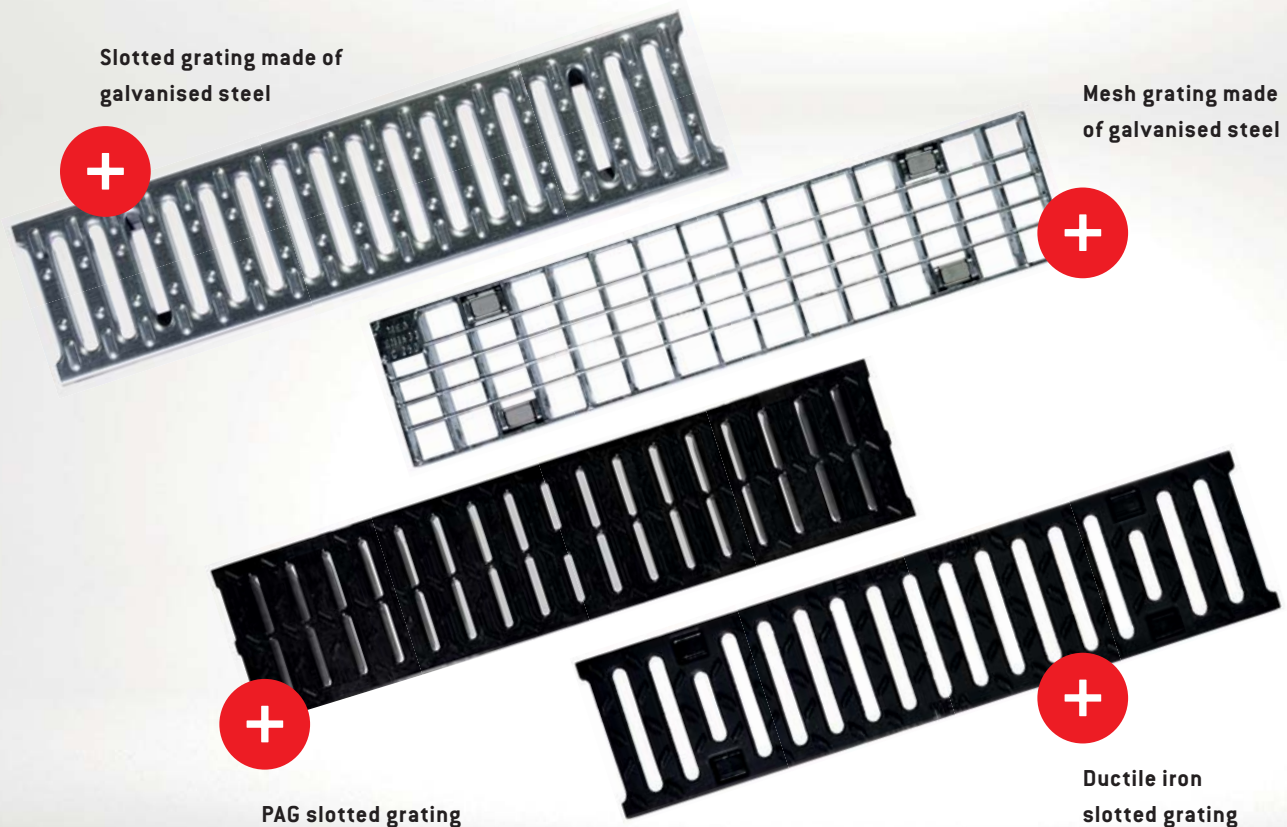
Easy installation  
through a latch  
mechanism



Plug-on edge of bottom slope  
with a 0.5% slope



For MEARIN PLUS  
channel systems in  
clear widths: 100,  
150, 200 and  
300 mm



## MEARIN PLUS AND MEARIN EXPERT CHANNEL COVERS

### MEARIN PLUS AND EXPERT CHANNEL COVERS

MEA offers a wide range of covers for Mearin channels systems that are not just functional, but also especially set accents in the field of product design.

From efficient mesh grates to classic slotted grates, MEA stands for quality, innovation and creativity.

#### Slotted grating made of galvanised steel or PAG:

- ✓ The intelligent slot/grating design is a visual alternative to mesh grates. Particularly stable and weather resistant
- ✓ Loading classes A 15 to E 250

#### Ductile iron slotted grating:

- ✓ Especially suitable for extreme loads and heavily frequented areas.
- ✓ Loading classes C 250 to E 600

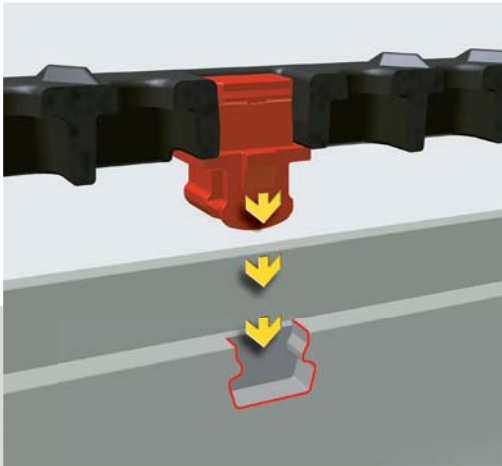
#### Mesh grating:

- ✓ The classic drainage channel cover made of galvanised press grating
- ✓ Loading classes A 15 to D 400

# STARFIX INNOVATIVE GRATING PROTECTION WITHOUT BOLTS

## GRATING PROTECTION

- ✓ Innovative 4-point lock in the drainage channel body for a firm and stable seat without loose or rattling parts
- ✓ Securing the covers against longitudinal shifting
- ✓ Long service life, since there are no moving and wear parts
- ✓ No reduction of the drainage cross-section, because the complete drainage channel cross section remains free
- ✓ Quick and easily attach and release of the grates with one hand without special-purpose tools
- ✓ Very pleasant and quiet through sound dampening fasteners and therefore ideal for traffic or noise-protected zones.



### Installation:

- ✓ Insert the grating into the drainage channel body
- ✓ Press - click - finished

### Ausbau:

- ✓ Simply remove the grating from the channel by hand

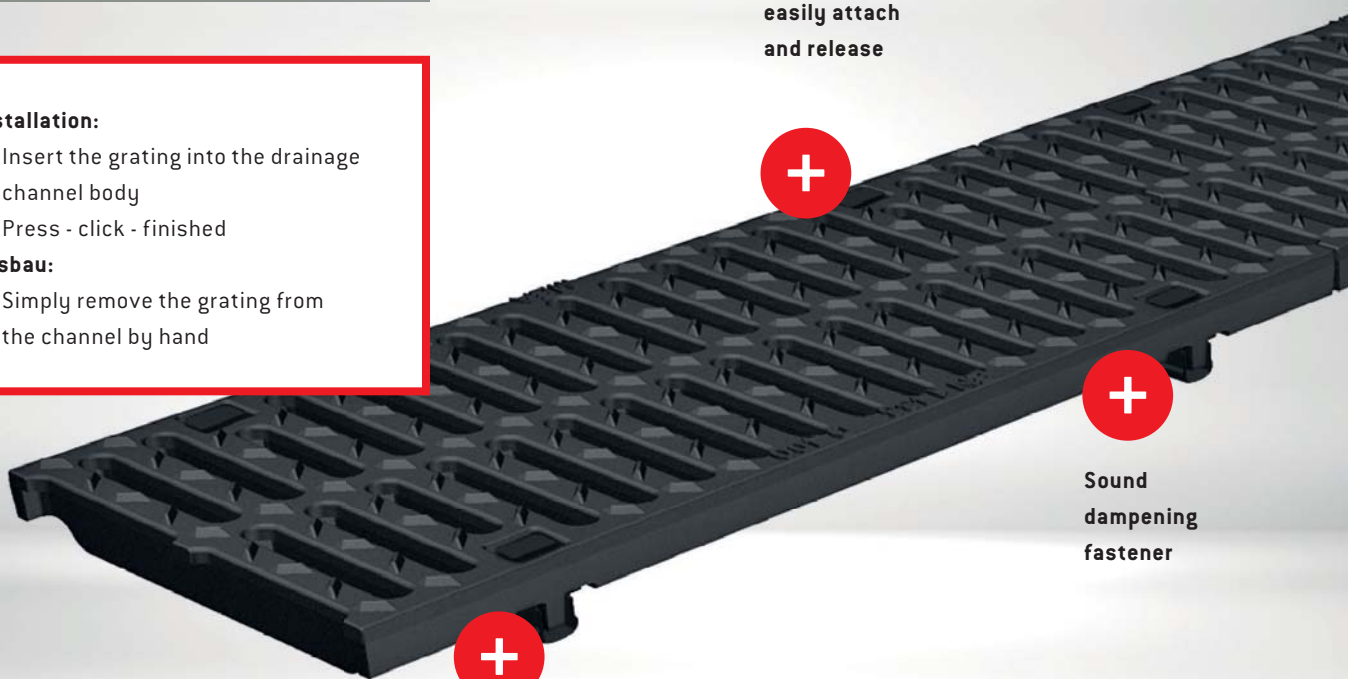
Quick and  
easily attach  
and release



Sound  
dampening  
fastener



4-point lock for a  
stable fit of the  
gratings





**The material at a glance**

- ✓ High resistance to chemicals and oils, as well as other aggressive substance
- ✓ High durability to environmental influences
- ✓ Minimum weight
- ✓ Low transport costs
- ✓ Sustainably protects resources and the environment

## MEA GRP PREMIUM MATERIAL

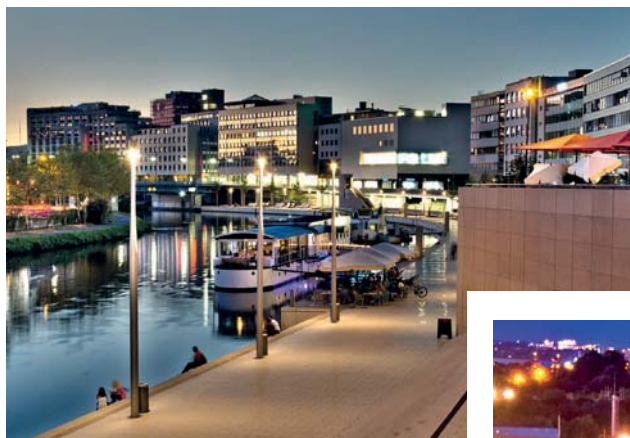
**MEA GRP**

All MEARIN channels systems are manufactured from high-quality MEA GRP. GRP stands for glass-fibre-reinforced composite material, and is used in a broad range of applications with high requirements, including aircraft construction, the automotive industry and also in motorsports.

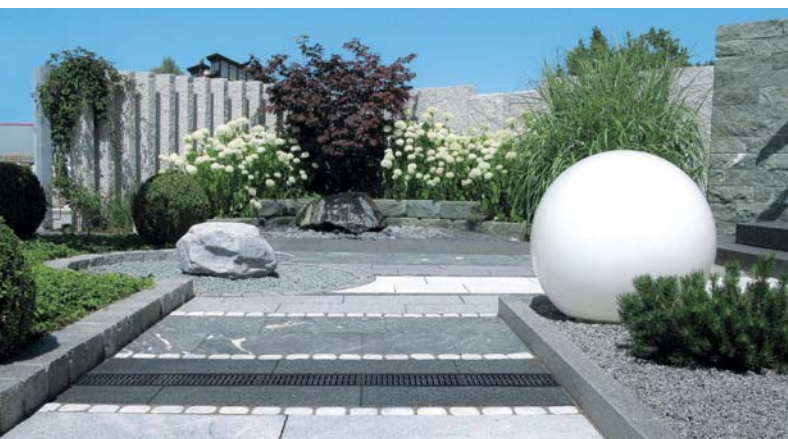
But not all GRP types are equal, as the quality and specific characteristics sometimes differ considerably. Thereby, we rely on SMC technology, (Sheet Moulding Compound) - a composite of polyester resin, mineral filler materials, additives and fiberglass mats.

GRP convinces with the highest degree of strength and dimensional stability. This means extreme stability even under high temperatures, combined with a very low thermal expansion.

In contrast to thermoplastics, GRP can be not deform after curing, but rather remains stable and durable in its form. Our many years of experience and expertise with this material will guarantee light-weight and equally long-lasting products that create sustainable values for our customers and partners.



TOWN CENTRES AND PEDESTRIAN AREAS



GARDENING AND LANDSCAPING



PARKING SPACES

# MEARIN AREAS OF APPLICATION



STREETS AND ROADS



HOME AND GARDEN



INDUSTRY AND COMMERCE



# DISCOVER THE FURTHER PRODUCT PORTFOLIO BY MEA WATER MANAGEMENT



## **MEADRAIN PG**

Drainage solutions for underground car parks and multi-storey car parks



## **MEATEC**

Professional drainage system for facades and terraces



## **MEADRAIN**

Professional drainage systems for the heavy loaded areas



## **MEADRAIN TRAFFIC**

Professional drainage systems for the streets and motorways



**BUILDING SUCCESS**

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[www.mea-group.de](http://www.mea-group.de)