



MEA[®]RIN

For all applications

Minimum weight

Extreme stability

Cost effective

MEA[®]RIN
MEA[®]RIN PLUS
MEA[®]RIN EXPERT
MEA[®]RIN PLUS 100 BLACK



HYDRO

CONSTRUCTION PRODUCTS

A PRODUCT FOR EVERY PROJECT

CONTENTS

- 1 MEA®RIN**
Suitable for all applications
- 2 MEA®RIN Plus**
Channel system with fibreglass Edge
MEA®RIN Plus
Plug in edges
- 3 MEA®RIN Expert**
Channel system with galvanised steel Edge
STARFIX
The innovative grid system without bolts
- 4 MEA®RIN Plus and Expert**
System overview
- 5 MEA®RIN**
Grates

Hydro Construction Products has been providing world class water management products and solutions to Australia and New Zealand since 2003. We are proud to be the exclusive supplier in Australia and New Zealand for the German-based MEA Group (Drainage). MEA's drainage division is one of the world's leading manufacturers and suppliers of linear drainage systems and has been used in a number of noteworthy projects including Formula One circuits, Air Force airbases, vehicle test tracks, international airports and several hundred petrol stations worldwide.

Hydro's drainage division HydroDrain also supplied MEA products to high profile projects in Australia including Adelaide Oval, AAMI Park, Melbourne Exhibition Centre plus ports, rail and service station redevelopments.

HydroDrain has the unique advantage of being able to supply gutter channels made of polymer concrete and regular concrete, as well as GRP to match our customers' specific application requirements. Our products are all specified to AS3996 and come in a variety of widths, depths, lengths and load ratings with grates and assorted accessories to suit.

EXCLUSIVE SUPPLIER OF

Our MEA® range comprises:



Our exclusive range of MEA products enables HydroDrain to provide our customers with drainage solutions for all applications including infrastructure & traffic, environment & agriculture, garden & landscaping, urban architecture, industry & trade and home & garden.

Our product range also extends to:



We have offices/warehouses in Melbourne, Brisbane and Sydney complemented by our network of sales representatives and distributors across Australia and New Zealand.

Visit www.hydrocp.com.au or call 1300 GO HYDRO to find out more.





MEA[®]RIN

Suitable for all applications

System versions

MEA[®]RIN 100:

- > Constant depth

MEA[®]RIN 200:

- > Constant depth

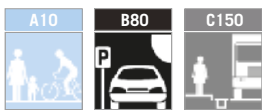
Key features:

- > Superb strength
- > Light Weight
- > Easy to install
- > Locking mechanism and inline sumps available

Application types:

- > Shopping car parks
- > Residential driveways
- > Landscape applications
- > Wineries

Particularly suitable for loading classes:



AS3996

The premium material

All MEARIN gutter systems are manufactured from the innovative MEA GRP. GRP stands for glass reinforced plastic and is used in a wide range of applications with high demands, such as aircraft, the automotive industry and in racing.

Not all GRP is the same, however. Quality and specific properties differ, sometimes considerably. We rely on the SMC technology (Sheet Molding Compound) – a composite of polyester resin, mineral fillers, additives, and glass fibre mats. SMC has the highest strength and dimensional stability. Providing extreme stability even at high temperature fluctuations, combined with a very low thermal expansion.

Unlike thermoplastics, SMC does not deform after hardening, but remains stable and durable in shape. Our extensive experience and expertise with this material guarantees lightweight and durable products that create added value.

Mearin Channels are suitable for all applications up to heavy duty use.

Made from light weight G.R.P (Glass Reinforced Polyester) and available in either 100mm Clear Opening (Mearin 100) or 160mm Clear Opening (Mearin 200), Mearin Channels are suitable for all types of surface water situations.

300mm Clear Opening (Mearin 300) also available on request.

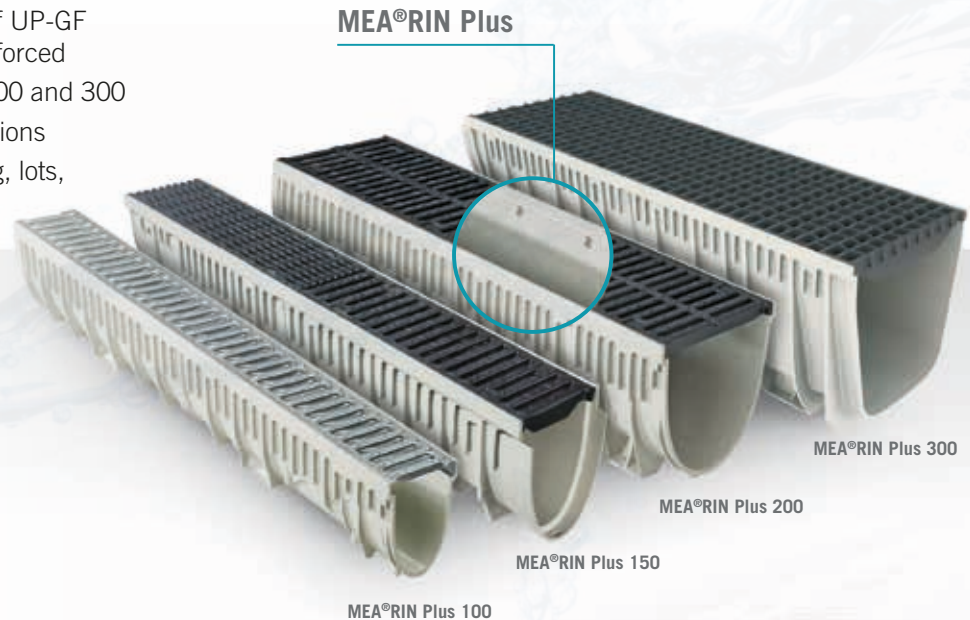
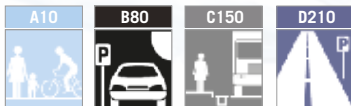
Thanks to the long fibres MEA GRP obtains an extremely high breaking strength and resistance, combined with great flexibility of the channel body.



MEA®RIN Plus

Channel system with *fibreglass Edge*

- > Channel body and edge entirely made of UP-GF (unsaturated polyester - glassfibre - reinforced)
- > Available in nominal widths 100, 150, 200 and 300
- > Steel, ductile iron and plastic grating options
- > Application fields: Public places, parking, lots, garden and landscape design
- > Slope possible in all nominal widths with innovative plug-on edge
- > **Loading class to D210**



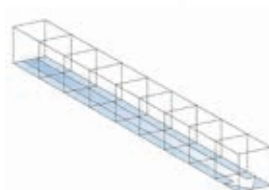
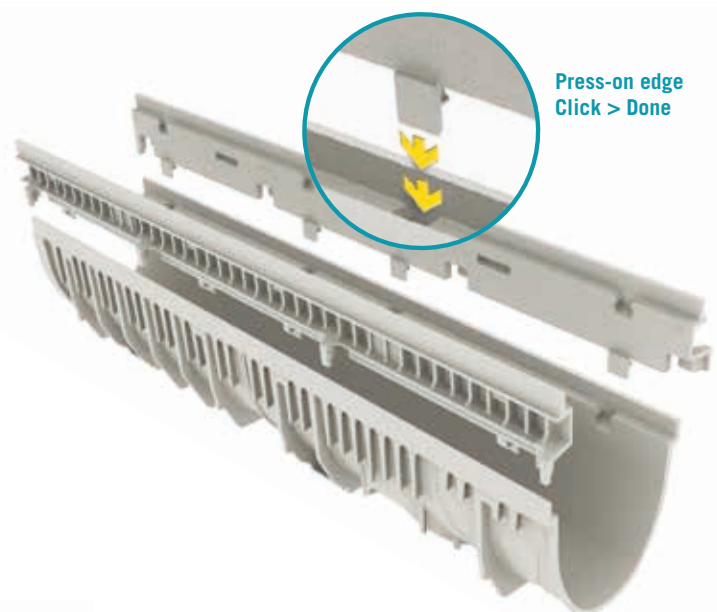
MEA®RIN Plus

Plug in edges

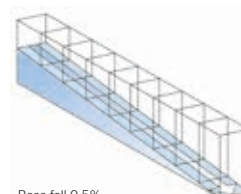
The edges are simply clipped onto the channels and no screws, drilling or permanent fixing is required. The resulting compound can withstand high loads and provides maximum flexibility.

Overview MEA®RIN Plus slope edges:

- > Simple and easy installation
- > Low weight edges, between 0.9 to 1.4 kg per edge
- > Significant increase in drainage capacity
- > Heights of the channel bodies including edges from 195mm to 240 mm
- > Gradient 0.5% on 1 meter channel run
- > Available for MEARIN Plus systems 100/150/200 and 300
- > Also available for catch basins
- > Each available for right and left channel side



Without fall



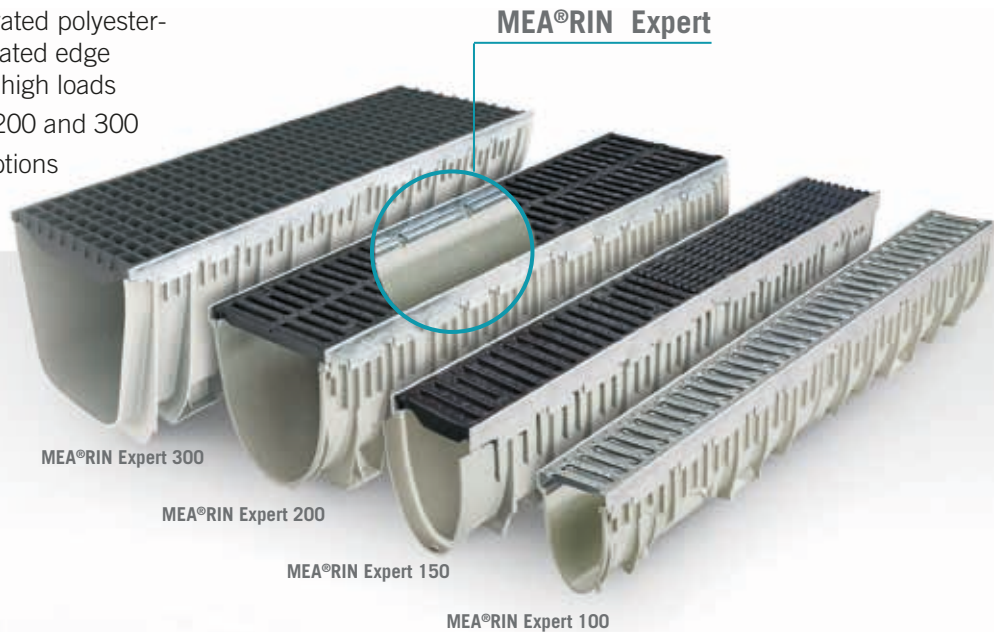
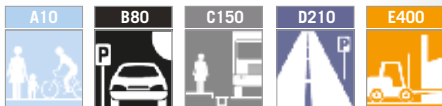
Base fall 0,5%

MEA® RIN Expert

Channel system with *galvanised steel Edge*

- > Channel body made of UP-GF (unsaturated polyester-glass-fibre reinforced) with firmly integrated edge protection made of galvanised steel for high loads
- > Available in nominal widths 100, 150, 200 and 300
- > Steel, ductile iron and plastic grating options
- > Application fields: leisure parks, industrial areas, workshops, roads and traffic routes

> **Loading class up to E400**

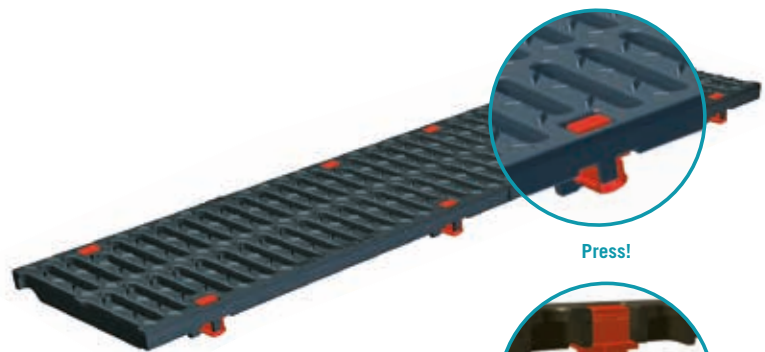


STARFIX

The innovative grid system without bolts

The patented STARFIX system is the innovative turbo for grate securing. It has never been so quick and easy before: without bolts or special tools all grating types can easily be fastened or loosened with the flick of a wrist:

Press! Click! Done!



Press!



Click!



Done!

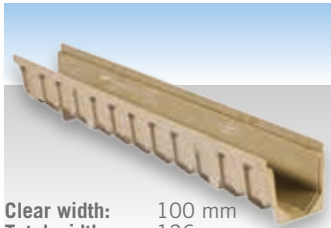


MEA® RIN Plus and Expert

System overview



MEA® RIN 100



Clear width: 100 mm
Total width: 136 mm
Total height: 125 mm

- Constant depth, pre-sloped (0.5%) & stepped fall (2.5%)
- Also with integrated outlet connection
- Loading class A10 to C150

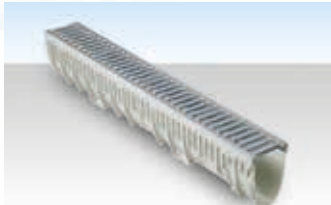
MEA® RIN 200



Clear width: 160 mm
Total width: 195 mm
Total height: 190 mm

- Constant depth, pre-sloped (0.5%) & stepped fall (2.5%)
- Also with integrated outlet connection
- Loading class A10 to C150

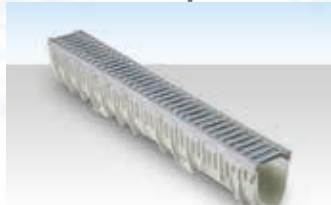
MEA® RIN Plus 100



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

- Channel system without fall and with fall (0.5%) due use of the new MEARIN slope edges
- Also with integrated outlet connection
- Loading class A10 to D210

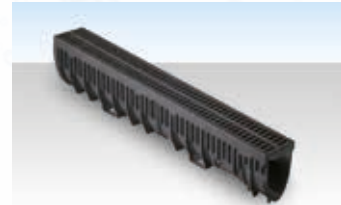
MEA® RIN Expert 100



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

- Channel system without fall
- Also with integrated outlet connection
- Loading class A10 to E400

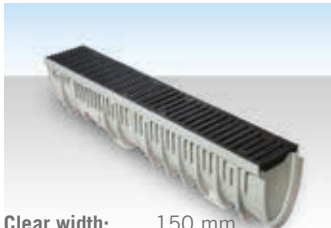
MEA® RIN Plus 100 Black



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

- Channel system without fall
- Also with integrated outlet connection
- Loading class A15 to D400

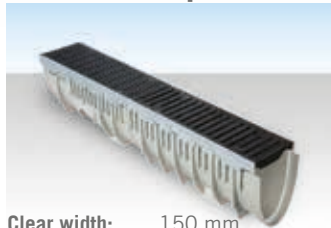
MEA® RIN Plus 150



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

- Channel system without fall and with fall (0.5%) due use of the new MEARIN slope edges
- Also with integrated outlet connection
- Loading class A10 to D210

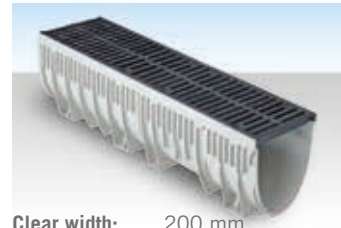
MEA® RIN Expert 150



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

- Channel system without fall
- Also with integrated outlet connection
- Loading class A10 to E400

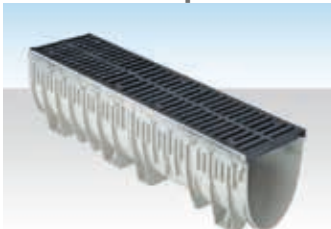
MEA® RIN Plus 200



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

- Channel system without fall and with fall (0.5%) due use of the new MEARIN slope edges
- Also with integrated outlet connection
- Loading class A10 to E400

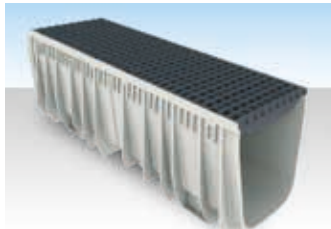
MEA® RIN Expert 200



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

- Channel system without fall
- Also with integrated outlet connection
- Loading class A10 to E400

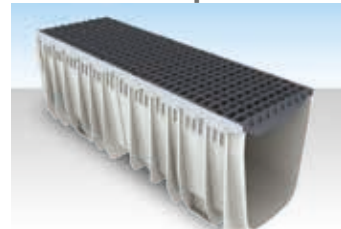
MEA® RIN Plus 300



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

- Channel system without fall and with fall (0.5%) due use of the new MEARIN slope edges
- Also with integrated outlet connection
- Loading class A10 to D210

MEA® RIN Expert 300



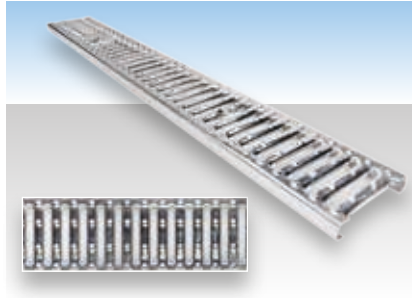
Clear width: 300 mm
Total width: 332 mm
Total height: 397 mm

- Channel system without fall
- Also with integrated outlet connection
- Loading class A10 to E400

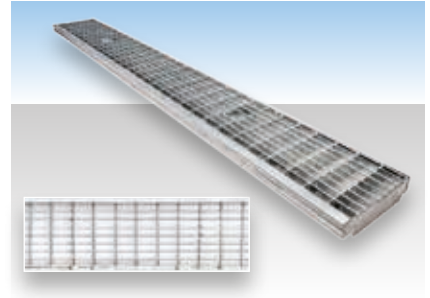
**Galvanised Steel
Slotted Grate**



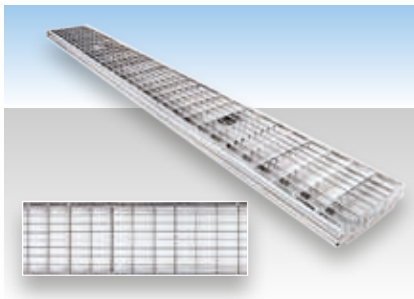
**Stainless Steel
Slotted Grate**



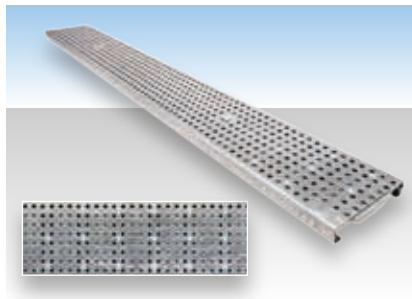
**Galvanised Steel
Mesh Grate**



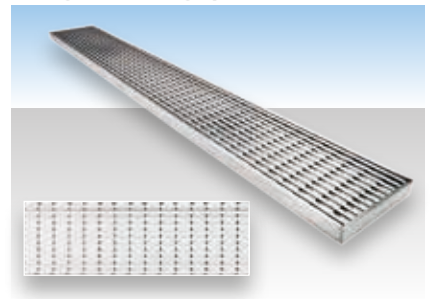
**Stainless Steel
Mesh Grate**



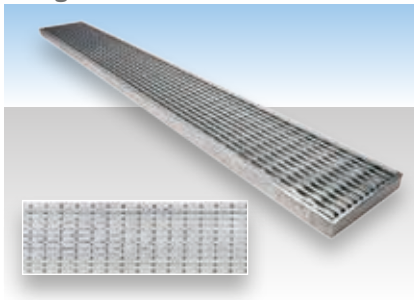
**Galvanised Steel
Perforated Grate**



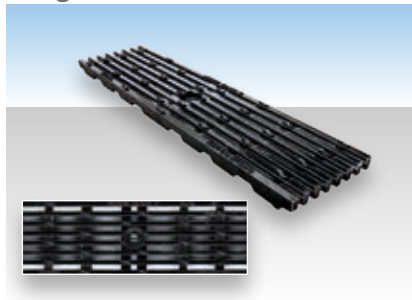
**Stainless Steel
Heelguard Suregrip Grate**



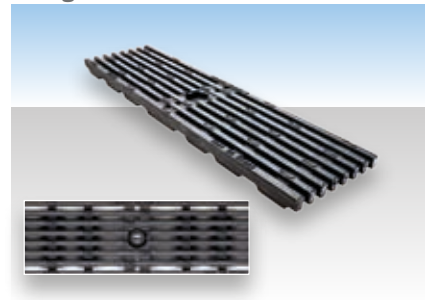
**Galvanised Steel
Heelguard Grate**



**Composite Longitudinal
Heelguard Grate**

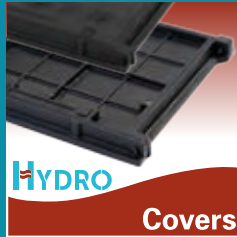


**Ductile Iron Longitudinal
Heelguard Grate**



Hydro Grates are available in the profiles shown, however some grates are only available for specific Channel sizes. For further assistance please contact Hydro on **1300 GO HYDRO**.

For information on our product ranges
visit www.hydrocp.com.au



HYDRO

CONSTRUCTION PRODUCTS

A PRODUCT FOR EVERY PROJECT

www.hydrocp.com.au www.hydrocp.co.nz

AUSTRALIA-WIDE

Phone ~1300 GO HYDRO

MELBOURNE

Phone ~1300 GO HYDRO
43 Agosta Drive
Laverton North VIC 3026

BRISBANE

Phone ~1300 GO HYDRO
Unit 3, 45 Canberra Street
Hemmant QLD 4174

NEW ZEALAND

Phone ~ 0800 493 766

Email ~ sales@hydrocp.com.au

DISCLAIMER While every care has been taken to compile the information in this catalogue, Hydro International Pty Ltd accepts no responsibility for errors, omissions or losses arising from actions based on this information. Because the conditions of use are beyond the control Hydro International Pty Ltd, all recommendations and suggestions on the use of Hydro International Pty Ltd products are made without guarantee. It is the customer's responsibility to ensure that each product is fit for its intended purpose and that the actual conditions are suitable. Hydro International Pty Ltd is constantly updating and improving its product range and reserves the right to amend specifications without notice.