

MULTIV+ SYSTEM

APPLICATIONS: SYSTEM SUITABLE FOR PEDESTRIAN AND SHOPPING AREAS, AS WELL AS PARKING AREAS FOR ALL TYPES OF VEHICLES.

DRAINAGE EVOLUTION

The evolution of R&D processes and our 20+ years of experience in drainage solutions has enabled us to develop a new line of products better suited to market needs, providing in a single system the advantages of our other lines: the economy of the SELF system, the low heights of the MINI range, the 8-point fastening of the F line and the option of cascaded slopes provided for by the U and UK systems.

The **MULTIV+** is available in different heights, and up to a load class of D400.

MULTIV+®



WITHOUT SLOPE

- MULTIV+ 100
- MULTIV+ 150
- MULTIV+ 200



CASCADED SLOPE

- MULTIV+ 100
- MULTIV+ 150
- MULTIV+ 200

ADVANTAGES OF THE MULTIV+[®] SYSTEM

1 MULTIV+ OPTIMIZED V-SHAPED SECTION

Especially designed for channel runs with no longitudinal slope

+ HIGHER SPEED WITH LOWER FLOWS

+ BIGGER CAPACITY FOR EXTREME FLOWS

The V-shaped design of the MULTIV+[®] channels has been developed to drain water faster, improving the self-cleaning effect of the channel. Its optimized cross section, larger than the traditional V-sections currently available on the market, provides bigger hydraulic capacity for extreme flow situations.

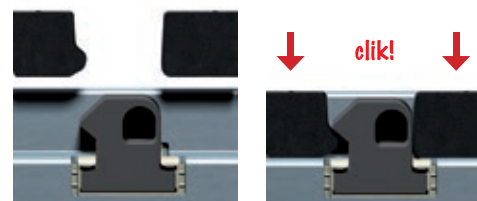


2 rapidlock[®] FASTENING SYSTEM

The fast and boltless ULMA Rapidlock[®] fastening system makes possible to connect the grating to the channel body quickly, safely and practically effortlessly.

ADVANTAGES:

- One-second fastening
- Tool-free installation
- Save on labour costs
- Easy maintenance



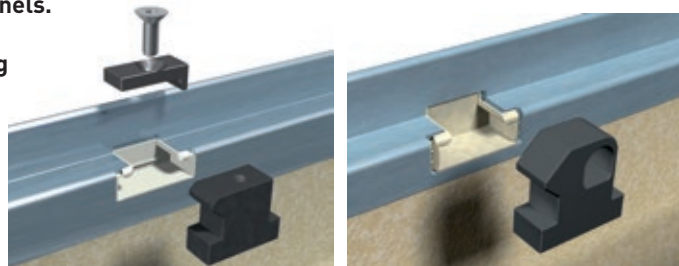
3 MECHANICAL STABILITY, WITH 8 FASTENING POINTS

Its 8-point fastening system provides higher stability and stress distribution throughout the grating and the channel.

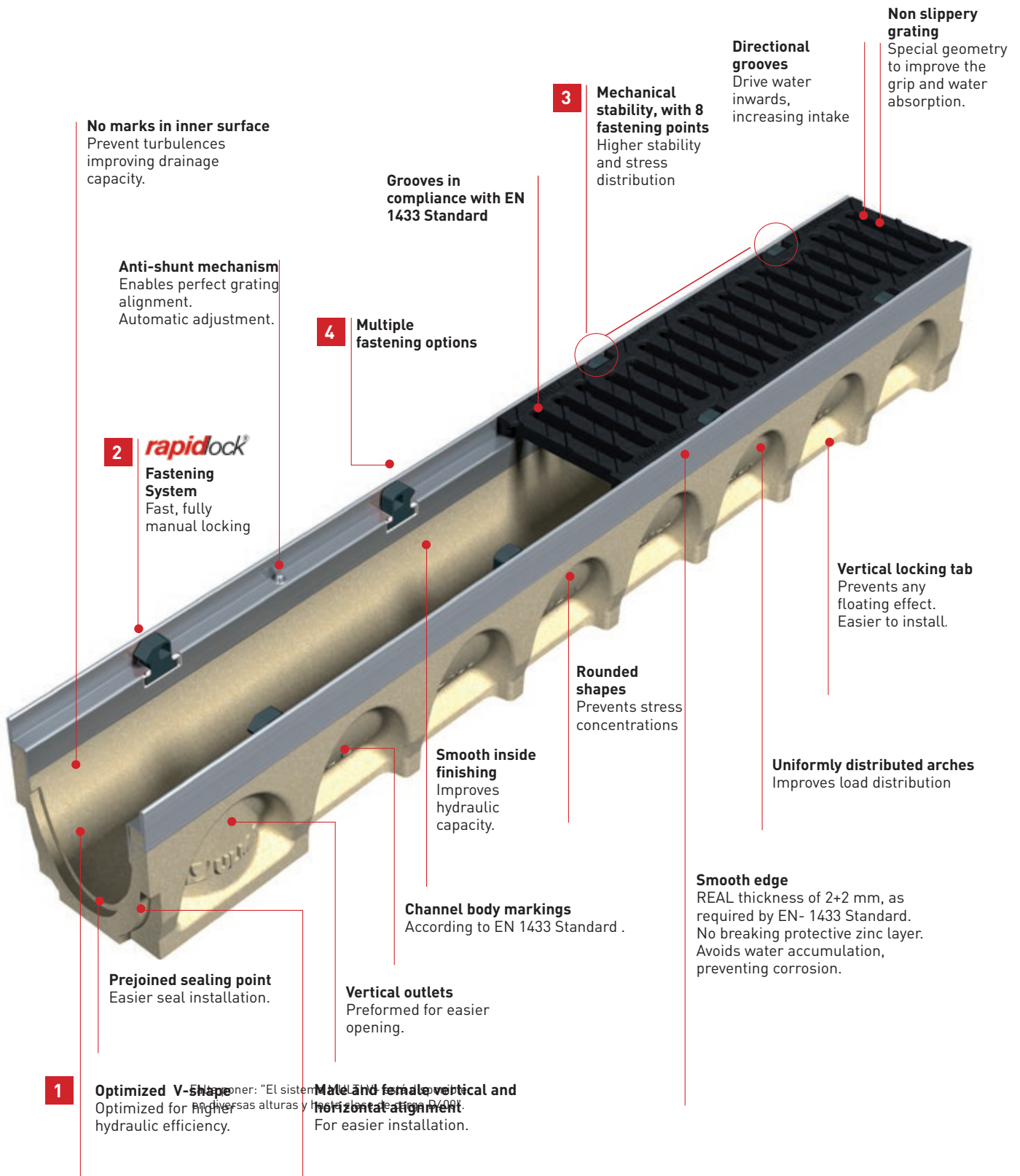
4 MULTIPLE FASTENING OPTIONS

Rapidlock[®] and screw-fastened systems can be replaced and combined:

- Even with already installed channels.
- No need to replace the grating.
- By simply replacing the fastening components.



SYSTEM FEATURES



No marks in inner surface
Prevent turbulences improving drainage capacity.

Anti-shunt mechanism
Enables perfect grating alignment. Automatic adjustment.

2 rapidlock[®]
Fastening System
Fast, fully manual locking

Grooves in compliance with EN 1433 Standard

4 Multiple fastening options

3 Mechanical stability, with 8 fastening points
Higher stability and stress distribution

Directional grooves
Drive water inwards, increasing intake

Non slippery grating
Special geometry to improve the grip and water absorption.

Vertical locking tab
Prevents any floating effect. Easier to install.

Rounded shapes
Prevents stress concentrations

Smooth inside finishing
Improves hydraulic capacity.

Uniformly distributed arches
Improves load distribution

Channel body markings
According to EN 1433 Standard .

Prejoined sealing point
Easier seal installation.

Vertical outlets
Preformed for easier opening.

Smooth edge
REAL thickness of 2+2 mm, as required by EN- 1433 Standard. No breaking protective zinc layer. Avoids water accumulation, preventing corrosion.

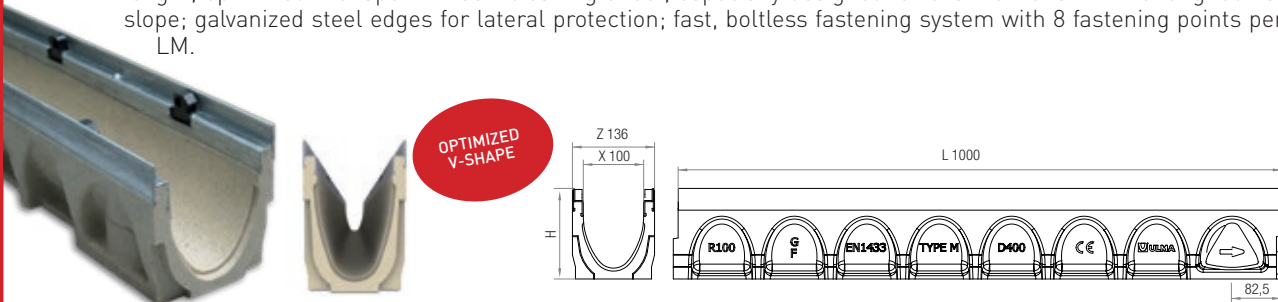
1 Optimized V-Shape
Optimized for higher hydraulic efficiency.

Male and female vertical and horizontal alignment
For easier installation.

MULTIV+100

LOAD CLASS
UP TO D400
EN-1433 STANDARD

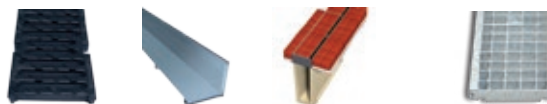
ULMA Linear Drainage Channel, type **MULTIV+®** R100G; External width 136mm, Internal width 100mm, with overall heights between 80 and 300mm; suitable for cascade-type slopes to collect rainwater; sections 1 LM in length; optimized V-shape with self-cleaning effect; especially designed for channel runs with no longitudinal slope; galvanized steel edges for lateral protection; fast, boltless fastening system with 8 fastening points per LM.



Channel	L (mm)	H (mm)	Width (mm)		Ø Outlet* (mm)		Hydraul. Section (cm ²)	Pcs. / Pallet
			Z	X	Vert.	Hor.		
R100GH8**	1000	80	136	100	110	-	40	90
R100G00R	1000	100	136	100	110	-	56	90
R100G10R	1000	150	136	100	110	-	91,5	75
R100G20R	1000	200	136	100	110	-	133	60
R100G30R	1000	250	136	100	110	-	176	45
R100G40R	1000	300	136	100	110	-	220	45

*Vert. outlets on order.
**U shaped section.

Slotted Single Slot Single Slot / Access Unit Heelproof Mesh



GRATINGS

Material	Design	Load	Code	L (mm)	Width (mm)	Height (2) (mm)	Units (x LM)
DUCTILE IRON	HEELPROOF SLOTTED	C250	FNHX100RGCM	500	127	-	2
	SLOTTED	D400	FNX100RGDM	500	127	-	2
GALVANIZED STEEL (1)	SINGLE SLOT	D400	GRL100ROD	1000	131	105 (2)	1
	ACCESS UNIT	D400	GRL100RODMA	500	128	105 (2)	2
	SINGLE SLOT	D400	GRL100RODH150	1000	131	150 (2)	1
	ACCESS UNIT	D400	GRL100RODMAH150	500	128	150 (2)	2
	HEELPROOF MESH	C250	GEHX100RGC	1000	127	-	1

(1) Available Range in Stainless Steel.

(2) The grating height corresponds to the part that extends out from the top edge of the profile.

LOCKING SYSTEM

FAST, BOLTLESS SAFETY LOCKING 8 fastening points per linear meter.



SUMP UNITS AND ACCESSORIES TABLE

AR100G

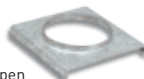
Code	L (mm)	H (mm)	Width (mm)	Ø Outlet (mm)		Sump Units
				Lateral	Front	
AR100G	500	490	136	110/160	90	1

END CAPS

Closed



Open



Channel	Code	Type	Ø (mm)
R100GH8	TR100H8C	CLOSED	-
R100G00R	TR10000C	CLOSED	-
R100G10R	TR10010C	CLOSED	-
	TR10010A	OPEN	110
R100G20R	TR10020C	CLOSED	-
	TR10020A	OPEN	110
R100G30R	TR10030C	CLOSED	-
	TR10030A	OPEN	110
R100G40R	TR10040C	CLOSED	-
	TR10040A	OPEN	110

STEP UNITS

Code

CER100



GALVANIZED STEEL BUCKET

Code

CR100



WITHOUT SLOPE

CASCADED SLOPE

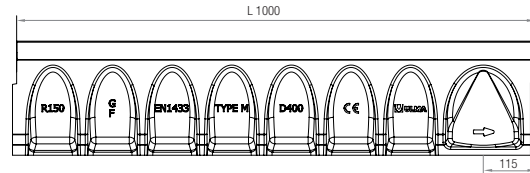
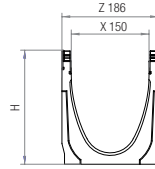
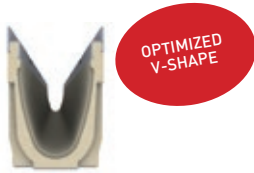


SLOPE DESIGNS

MULTIV+150

LOAD CLASS
UP TO D400
EN-1433 STANDARD

ULMA Linear Drainage Channel, type **MULTIV+®** R150G; External width 186mm, Internal width 150mm, with overall heights between 80 and 320mm; suitable for cascade-type slopes to collect rainwater; sections 1 LM in length; optimized V-shape with self-cleaning effect; especially designed for channel runs with no longitudinal slope; galvanized steel edges for lateral protection; fast, boltless fastening system with 8 fastening points per LM.



Channel	L (mm)	H (mm)	Width (mm)		Outlet* (mm)		Hydraul. Section (cm ²)	Pcs. / Pallet
			Z	X	Vert.	Hor.		
R150GH8**	1000	80	186	150	160	-	60	81
R150GH12**	1000	120	186	150	160	-	119	72
R150G00R	1000	170	186	150	160	-	156	45
R150G10R	1000	220	186	150	160	-	218	36
R150G20R	1000	270	186	150	160	-	283	36
R150G30R	1000	320	186	150	160	-	350	27

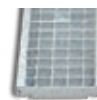
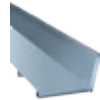
*Vert. outlets on order.
**U shaped section.

Slotted

Single Slot

Single Slot / Access Unit

Heelproof Mesh



GRATINGS

Material	Design	Load	Code	L (mm)	Width (mm)	Height (2) (mm)	Units (x LM)
DUCTILE IRON	HEELPROOF SLOTTED	C250	FNHX150RGCM	500	177	-	2
	SLOTTED	D400	FNX150RGDM	500	177	-	2
GALVANIZED STEEL (1)	SINGLE SLOT	D400	GRL150ROD	1000	181	105 (2)	1
	ACCESS UNIT	D400	GRL150RODMA	500	178	105 (2)	2
	SINGLE SLOT	D400	GRL150RODH150	1000	181	150 (2)	1
	ACCESS UNIT	D400	GRL150RODMAH150	500	178	150 (2)	2
	HEELPROOF MESH	C250	GEHX150RGC	1000	177	-	1

(1) Available Range in Stainless Steel.

(2) The grating height corresponds to the part that extends out from the top edge of the profile.

LOCKING SYSTEM

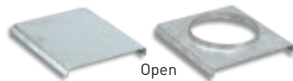
FAST, BOLTLESS SAFETY LOCKING 8 fastening points per linear meter.



SUMP UNITS AND ACCESSORIES TABLE

AR150G

Code	L (mm)	H (mm)	Width (mm)	Outlet (mm)		Sump Units
				Lateral	Front	
AR150G	500	590	186	160/200	110	1



END CAPS		Closed	Open
Channel	Code	Type	Ø (mm)
R150GH8	TR150H8C	CLOSED	-
R150GH12	TR15H12C	CLOSED	-
R150G00R	TR15000C	CLOSED	-
	TR15000A	OPEN	110
R150G10R	TR15010C	CLOSED	-
	TR15010A	OPEN	160
R150G20R	TR15020C	CLOSED	-
	TR15020A	OPEN	160
R150G30R	TR15030C	CLOSED	-
	TR15030A	OPEN	160

STEP UNITS

Code

CER150



GALVANIZED STEEL BUCKET

Code

CR150



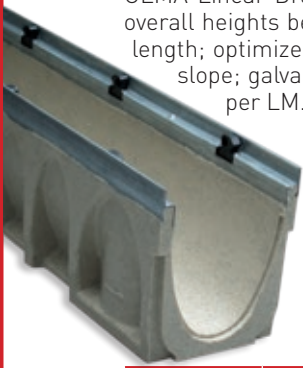
SLOPE DESIGNS



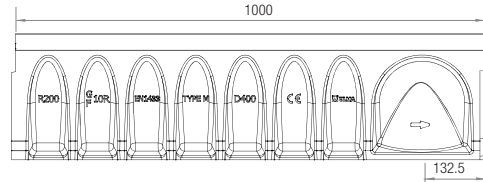
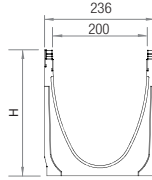
MULTIV+200

LOAD CLASS
UP TO D400
EN-1433 STANDARD

ULMA Linear Drainage Channel, type **MULTIV+®** R200G, External width 236mm, Internal width 200mm, with overall heights between 80 and 370mm; suitable for cascade-type slopes to collect rainwater; sections 1 LM in length; optimized V-shape with self-cleaning effect; especially designed for channel runs with no longitudinal slope; galvanized steel edges for lateral protection; fast, boltless fastening system with 8 fastening points per LM.



OPTIMIZED
V-SHAPE



Channel	L (mm)	H (mm)	Width (mm)		Ø Outlet* (mm)		Hydraul. Section (cm ²)	Pcs. / Pallet
			Z	X	Vert.	Hor.		
R200GH8**	1000	80	236	200	160	-	79	42
R200GH12**	1000	120	236	200	160	-	159	42
R200G000R	1000	170	236	200	200	-	204	35
R200G00R	1000	220	236	200	200	-	284	28
R200G10R	1000	270	236	200	200	-	368	21
R200G20R	1000	320	236	200	200	-	458	21
R200G30R	1000	370	236	200	200	-	542	21

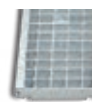
*Vert. outlets on order.
**U shaped section.

Slotted

Single Slot

Single Slot / Access Unit

Heelproof Mesh



GRATINGS

Material	Design	Load	Code	L (mm)	Width (mm)	Height (2) (mm)	Units (x LM)
DUCTILE IRON	HEELPROOF SLOTTED	C250	FNHX200RGCM	500	227	-	2
	SLOTTED	D400	FNX200RGDM	500	227	-	2
GALVANIZED STEEL (1)	SINGLE SLOT	D400	GRL200ROD	1000	231	105 (2)	1
	ACCESS UNIT	D400	GRL200RODMA	500	228	105 (2)	2
	SINGLE SLOT	D400	GRL200RODH150	1000	231	150 (2)	1
	ACCESS UNIT	D400	GRL200RODMAH150	500	228	150 (2)	2
	HEELPROOF MESH	C250	GEHX200RGC	1000	227	-	1

(1) Available Range in Stainless Steel.

(2) The grating height corresponds to the part that extends out from the top edge of the profile.

LOCKING SYSTEM

FAST, BOLTLESS SAFETY LOCKING 8 fastening points per linear meter.

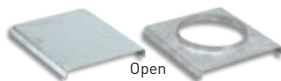


SUMP UNITS AND ACCESSORIES TABLE

Code	L (mm)	H (mm)	Width (mm)	Ø Outlet (mm)		Sump Units
				Lateral	Front	
AR200G	500	550	236	160/200	110	1

END CAPS

Closed



Open

Channel	Code	Type	Ø (mm)
R200GH8	TR200H8C	CLOSED	-
R200GH12	TR200H12C	CLOSED	-
R200G000R	TR200000C	CLOSED	-
	TR200000A	OPEN	110
R200G00R	TR20000C	CLOSED	-
	TR20000A	OPEN	160
R200G10R	TR20010C	CLOSED	-
	TR20010A	OPEN	160
R200G20R	TR20020C	CLOSED	-
	TR20020A	OPEN	160
R200G30R	TR20030C	CLOSED	-
	TR20030A	OPEN	160

STEP UNITS

Code
CER200



GALVANIZED STEEL BUCKET

Code
CR200



SLOPE DESIGN

