



MATERIAL ELÈCTRIC FUSTER B-651

FOI



TECHNICAL DRAINAGE





MULTIV +

TECHNICAL DRAINAGE

MULTIV+

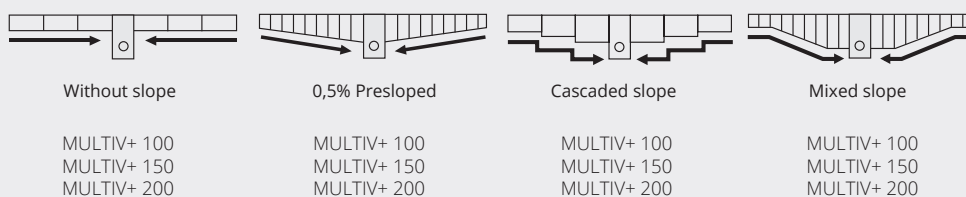
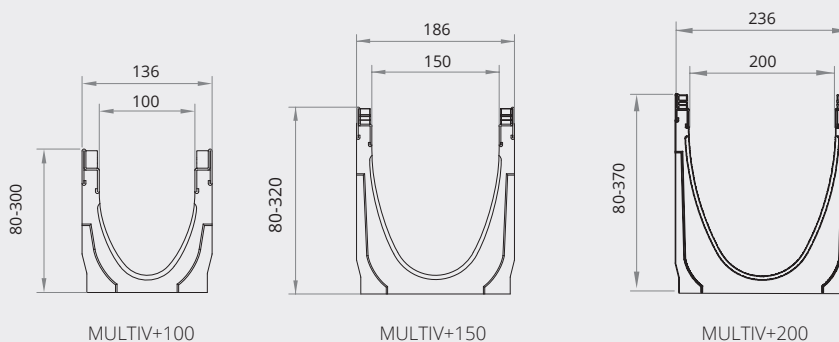
SYSTEM

**Pedestrian areas, commercial areas,
and car parks 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 presloped, cascaded or mixed slope provided for by the U and UK systems.

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



ADVANTAGES OF THE MULTIV+ SYSTEM

01. MULTIV+ OPTIMIZED V-SHAPED SECTION

Especially designed for channel runs with no longitudinal slope

- + Higher speed with lower flows
- + Bigger capacity for extreme flows

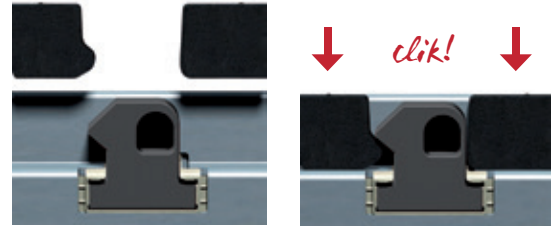
The V-shaped design of the MULTIV+® channels has been developed to drain water faster, improving the self-cleaning effect of the channel. Its optimized cross section, larger than the traditional V-sections currently available on the market, provides bigger hydraulic capacity for extreme flow situations.



02. *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.

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



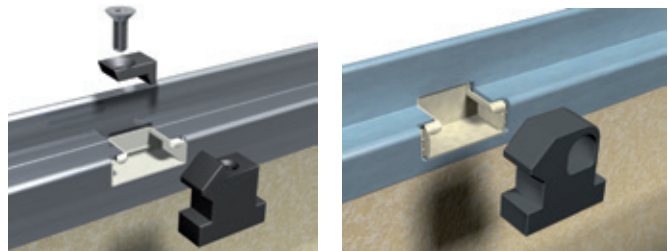
03. MECHANICAL STABILITY, WITH 8 FASTENING POINTS

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

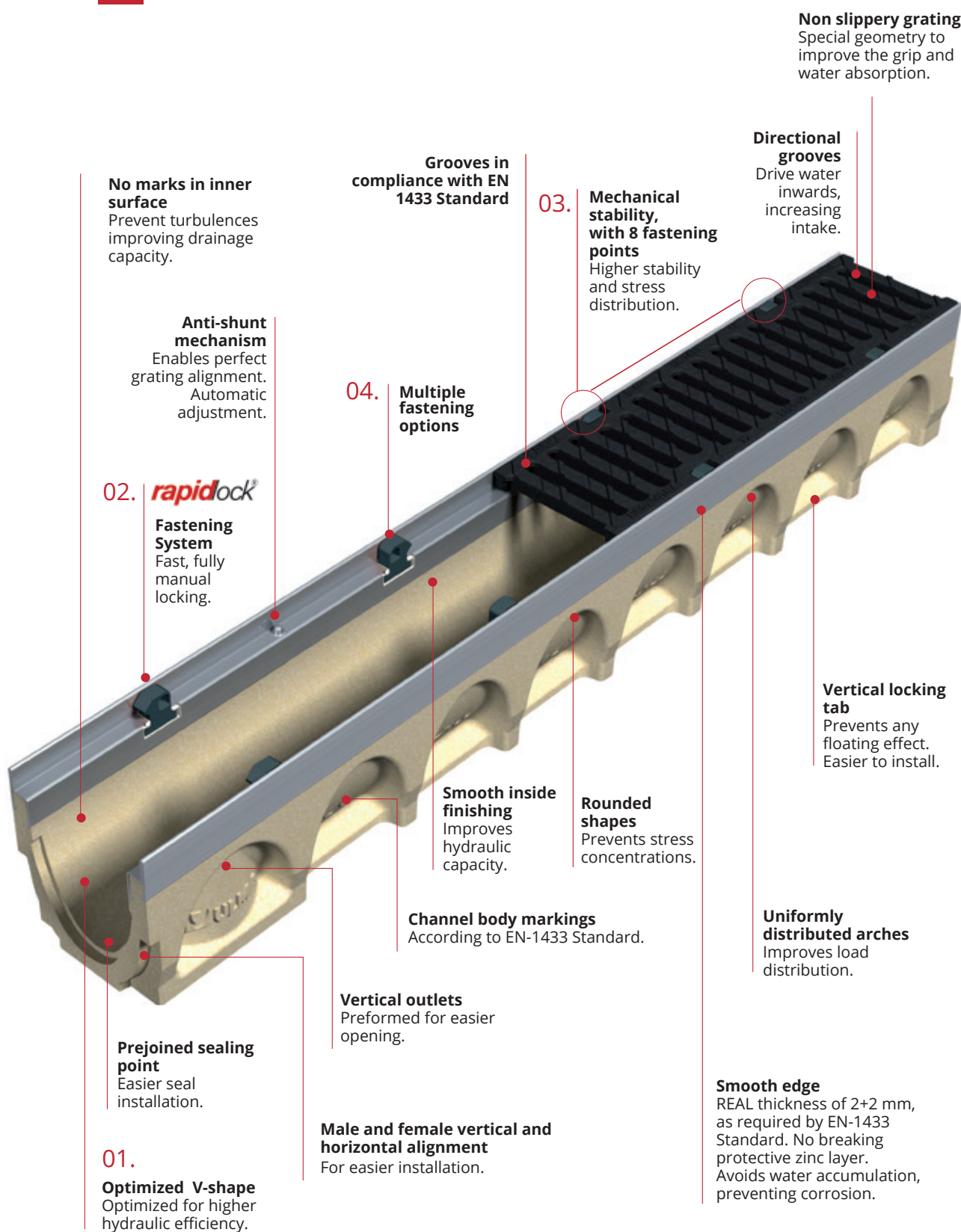
04. MULTIPLE FASTENING OPTIONS

Rapidlock® and screw-fastened systems can be replaced and combined with blocking

- 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.

02. rapidlock[®] Fastening System
Fast, fully manual locking.

Grooves in compliance with EN 1433 Standard

03. Mechanical stability, with 8 fastening points
Higher stability and stress distribution.

Directional grooves
Drive water inwards, increasing intake.

04. Multiple fastening options

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

Smooth inside finishing
Improves hydraulic capacity.

Rounded shapes
Prevents stress concentrations.

Channel body markings
According to EN-1433 Standard.

Uniformly distributed arches
Improves load distribution.

Prejoined sealing point
Easier seal installation.

Vertical outlets
Preformed for easier opening.

01. Optimized V-shape
Optimized for higher hydraulic efficiency.

Male and female vertical and horizontal alignment
For easier installation.

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

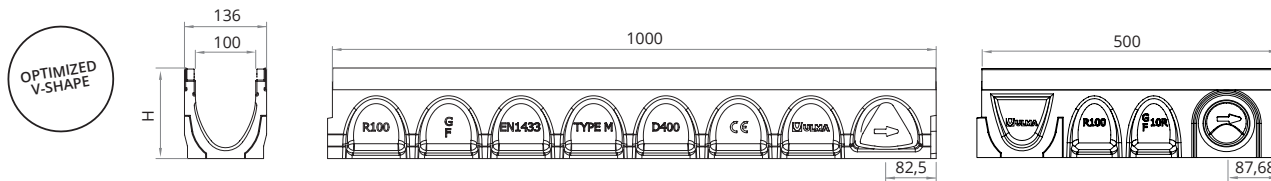
Load Class
up to D400 (1)
EN-1433 Standard

MULTIV+100

SLOPE
0,5% CE



ULMA Linear Drainage Channel, type MULTIV+ R100G; External width 136 mm, Internal width 100 mm, with overall heights between 80 and 300 mm; 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; galvanised steel or ductile iron edges (2) for lateral protection; Either **Rapidlock®** boltless system or screw-fastened. 8 locking points per linear metre.



CHANNELS

Channel Code		L mm	H mm		Width mm		Ø Outlet* mm		Hydraul. Section cm ²	Units x pallet	Weight Kg	Qref l/s
Galvanised edges	Ductile Iron edges		Initial	Final	Z	X	Vert.	Hor.				
R100GH8**	-	1000	80	80	136	100	110	-	40	90	11,2	0,9
R100G00R	R100MFG00R	1000	100	100	136	100	110	-	56	56	12,2	1,5
R100G01	R100MFG01	1000	100	105	136	100	110	-	60,9	-	12,4	-
R100G02	R100MFG02	1000	105	110	136	100	110	-	64,3	-	12,8	-
R100G03	R100MFG03	1000	110	115	136	100	110	-	67,7	-	13,3	-
R100G04	R100MFG04	1000	115	120	136	100	110	-	71,1	-	13,7	-
R100G05	R100MFG05	1000	120	125	136	100	110	-	74,5	-	14,1	-
R100G06	R100MFG06	1000	125	130	136	100	110	-	77,9	-	14,5	-
R100G07	R100MFG07	1000	130	135	136	100	110	-	81,3	-	15,1	-
R100G08	R100MFG08	1000	135	140	136	100	110	-	84,7	-	15,4	-
R100G09	R100MFG09	1000	140	145	136	100	110	-	88,1	-	15,8	-
R100G10	R100MFG10	1000	145	150	136	100	110	-	91,5	-	16,3	-
R100G10R	R100MFG10R	1000	150	150	136	100	110	-	91,5	48	15,2	3,3
R100G11	R100MFG11	1000	150	155	136	100	110	-	96,5	-	15,1	-
R100G12	R100MFG12	1000	155	160	136	100	110	-	100,6	-	15,6	-
R100G13	R100MFG13	1000	160	165	136	100	110	-	104,6	-	16,0	-
R100G14	R100MFG14	1000	165	170	136	100	110	-	108,7	-	16,4	-
R100G15	R100MFG15	1000	170	175	136	100	110	-	112,7	-	16,7	-
R100G16	R100MFG16	1000	175	180	136	100	110	-	116,8	-	17,3	-
R100G17	R100MFG17	1000	180	185	136	100	110	-	120,8	-	17,7	-
R100G18	R100MFG18	1000	185	190	136	100	110	-	124,9	-	18,2	-
R100G19	R100MFG19	1000	190	195	136	100	110	-	128,9	-	18,6	-
R100G20	R100MFG20	1000	195	200	136	100	110	-	133	-	18,9	-
R100G20R	R100MFG20R	1000	200	200	136	100	110	-	133	40	18,6	6,0
R100G21	R100MFG21	1000	200	205	136	100	110	-	137,3	-	14,6	-
R100G22	R100MFG22	1000	205	210	136	100	110	-	141,6	-	15,6	-
R100G23	R100MFG23	1000	210	215	136	100	110	-	145,9	-	15,6	-
R100G24	R100MFG24	1000	215	220	136	100	110	-	150,2	-	16,7	-
R100G25	R100MFG25	1000	220	225	136	100	110	-	154,5	-	16,7	-
R100G26	R100MFG26	1000	225	230	136	100	110	-	158,8	-	16,7	-
R100G27	R100MFG27	1000	230	235	136	100	110	-	163,1	-	17,7	-
R100G28	R100MFG28	1000	235	240	136	100	110	-	167,4	-	17,7	-
R100G29	R100MFG29	1000	240	245	136	100	110	-	171,7	-	18,8	-
R100G30	R100MFG30	1000	245	250	136	100	110	-	176	-	18,8	-
R100G30R	R100MFG30R	1000	250	250	136	100	110	-	176	45	21,5	9,3
R100G40R	R100MFG40R	1000	300	300	136	100	110	-	220	45	24,7	13,0
0,5 M CHANNELS												
R100G10RM	R100MFG10RM	500	150	150	136	100	90	75	91,5	84	9,1	-
R100G20RM	R100MFG20RM	500	200	200	136	100	90	110	133	70	10,5	-

* Vert. and horiz. outlets on order.

** U shaped section.

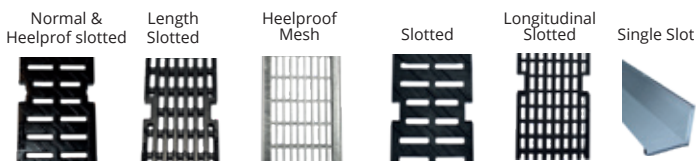
*** Available channels with blocking screws (Code: R100F).

(1) For cross-drainage in heavy traffic areas, we recommend our KOMPAQDRAIN® system.

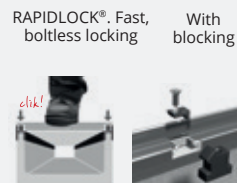
(2) Available Range in Stainless Steel (Code: R100GX).

MULTIV+100

GRATINGS



LOCKING SYSTEM



Material	Design	Load	Code	L mm	Width mm	Opening mm	Units x ml	Weight kg	Intake area cm ² /ml	Locking System	
										Rapidlock	With blocking
DUCTILE IRON	HEELPROOF SLOTTED	B125	FNHX100RGBM	500	127	8	2	2,0	247	(2)	TR615 + BLOCK-PRG18020T
	HEELPROOF SLOTTED	C250	FNHX100RGCM	500	127	10	2	3,2	267	(2)	
	SLOTTED	D400	FNX100RGDM	500	127	14	2	3,2	477	(2)	
	HEELPROOF SLOTTED	D400	FNHX100RGDM	500	127	8	2	3,6	263	(2)	
	LONG. SLOTTED	D400	FNLHX100RGDM	500	127	8	2	3,6	331,3	(2)	
GALVANISED STEEL	LONG. SLOTTED (1)	A15	GNLHX100RGA	1000	127	8	1	3,3	489	(2)	
	LONG. SLOTTED (1)	C250	GNLHX100RGC	1000	127	8	1	5,1	489	(2)	
	HEELPROOF MESH (1)	C250	GEHX100RGC	1000	127	30 x 10	1	5,3	669	(2)	
	HEELPROOF MESH	D400	GEHX100RGD	1000	127	30 x 10	1	5,7	670	(2)	
	SINGLE SLOT (1)	D400	GRL100ROD	1000	127	9,8 / H105	1	7,0	98	(2)	
	SINGLE SLOT (1)	D400	GRL100RODE18	500	128	18 / H105	1	7,1	180	(2)	
	SINGLE SLOT (1)	D400	GRL100RODH150	1000	127	9,8 / H150	1	8,5	98	(2)	
	SINGLE SLOT (1)	D400	GRL100RODH150E18	500	128	18 / H150	1	8,5	180	(2)	
	SINGLE SLOT (1)	D400	GRL100RODH200	1000	131	9,8 / H200	1	10,5	98	(2)	
COMPOSITE	LONG. SLOTTED BLACK	A15	PNLH100RGAM	500	127	8	2	0,4	468	(2)	TR615 + BLOCK-PRG18020T
	LONG. SLOTTED GREY	A15	PNLH100RGAM-GRIS	500	127	8	2	0,4	468	(2)	
	HEELPROOF SLOTTED	B125	PNH100RGBM	500	127	8	2	0,9	267	(2)	
	HEELPROOF SLOTTED	C250	PNH100RGCM	500	127	8	2	0,9	267	(2)	

(1) Available in stainless steel, consult design

(1) Integrated into the channel
(2) Supported

SUMP UNITS

Code	L mm	H mm	Width mm	Lateral outlets Ø mm	Front outlet Ø mm	Sump units	Weight Kg
AR100G	500	490	136	110/160	110	1	5,2

Code
CR100

AR100G TCR100G00MMA AR100G

R100G30 R100G29 R100G28 R100G03 R100G02 R100G01 R100G01 R100G02 R100G03 R100G28 R100G29 R100G30

Sump unit AR100G Outlet Diam. 110/110/160

Sump unit AR100G Outlet Diam. 110/110/160

POLYMER CONCRETE CHANNEL WITH PRESLOPED OF 0.5%

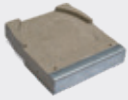
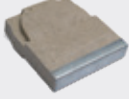



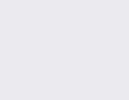
- Self-cleaning effect.
- Minimum maintenance.

SLOPE DESIGNS



MULTIV+100

END CAPS


	Code channel	Material	Open			Closed
			Code	Ø mm	Accessory	Code
	R100GH8	GALVANISED STEEL	-	-	-	TR100H8
		POLYMER CONCRETE	-	-	-	THPR100GH8C (1)
	R100G00R R100MFG00R	GALVANISED STEEL	-	-	-	TR10000C
		POLYMER CONCRETE	-	-	-	THPR100G00C (1)
		POLYMER CONCRETE	-	-	-	THPR100MFG00C (2)
	R100G10R R100MFG10R	GALVANISED STEEL	TR10010A	110	-	TR10010C
		POLYMER CONCRETE	THPR100G10AJ (1)	110	Joint	THPR100G10C (1)
		POLYMER CONCRETE	THPR100G10AT (1)	110	Pipe	-
		POLYMER CONCRETE	THPR100MFG10AJ (2)	110	Joint	THPR100MFG10C (2)
		POLYMER CONCRETE	THPR100MFG10AT (2)	110	Pipe	-
	R100G20R R100MFG20R	GALVANISED STEEL	TR10020A	110	-	TR10020C
		POLYMER CONCRETE	THPR100G20AJ (1)	110	Joint	THPR100G20C (1)
		POLYMER CONCRETE	THPR100G20AT (1)	110	Pipe	-
		POLYMER CONCRETE	THPR100MFG20AJ (2)	110	Joint	THPR100MFG20C (2)
		POLYMER CONCRETE	THPR100MFG20AT (2)	110	Pipe	-
	R100G30R R100MFG30R	GALVANISED STEEL	TR10030A	110	-	TR10030C
		POLYMER CONCRETE	THPR100G30AJ (1)	110	Joint	THPR100G30C (1)
		POLYMER CONCRETE	THPR100G30AT (1)	110	Pipe	-
		POLYMER CONCRETE	THPR100MFG30AJ (2)	110	Joint	THPR100MFG30C (2)
		POLYMER CONCRETE	THPR100MFG30AT (2)	110	Pipe	-
	R100G40R R100MFG40R	GALVANISED STEEL	TR10040A	110	-	TR10040C
		POLYMER CONCRETE	THPR100G40AJ (1)	110	Joint	THPR100G40C (1)
		POLYMER CONCRETE	THPR100G40AT (1)	110	Pipe	-
		POLYMER CONCRETE	THPR100MFG40AJ (2)	110	Joint	THPR100MFG40C (2)
		POLYMER CONCRETE	THPR100MFG40AT (2)	110	Pipe	-

*End caps also available with stainless steel edge.

(1) Galvanised steel edge

(2) Ductile Iron edge

CONNECTORS

	Code channel	Material	Open end caps	
			Galvanised edge	Ductile Iron edge
	R100G00R	POLYMER CONCRETE	TCR100G00MMA	TCR100MF00MMA
	R100G10R	POLYMER CONCRETE	TCR100G10MMA	TCR100MF10MMA
	R100G20R	POLYMER CONCRETE	TCR100G20MMA	TCR100MF20MMA
	R100G30R	POLYMER CONCRETE	TCR100G30MMA	TCR100MF30MMA
	R100G40R	POLYMER CONCRETE	TCR100G40MMA	TCR100MF40MMA

ACCESSORIES

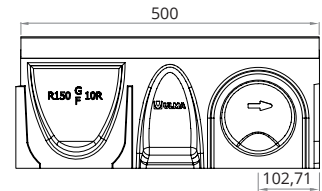
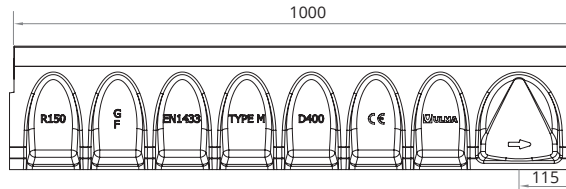
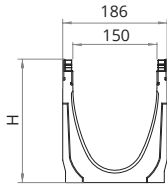
	Step Units			Security lock	
	Code			Code	Units x channel
	CER100			BLOQPRG18020	8

To install in the changes of height with cascaded slope.





ULMA Linear Drainage Channel, type MULTIV+ R150G; External width 186 mm, Internal width 150 mm, with overall heights between 80 and 320 mm; 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; galvanised steel or ductile iron edges (2) for lateral protection; Either **Rapidlock®** boltless system or screw-fastened. 8 locking points per linear metre.



CHANNELS

Channel Code		L mm	H mm		Width mm		Ø Outlet* mm		Hydraul. Section cm ²	Units x pallet	Weight Kg	Qref l/s
Galvanised edges	Ductile Iron edges		Initial	Final	Z	X	Vert.	Hor.				
R150GH8**	-	1000	80	80	186	150	160	-	60	50	14,0	1,33
R150GH12**	-	1000	120	120	186	150	160	-	119	50	16,1	4,12
R150G00R	R150MFG00R	1000	170	170	186	150	160	-	156	30	21,6	6,33
R150G10R	R150MFG10R	1000	220	220	186	150	160	-	218	25	24,4	10,76
R150G11	R150MFG11	1000	220	225	186	150	160	-	225,5	-	24,4	-
R150G12	R150MFG12	1000	225	230	186	150	160	-	231,9	-	25,0	-
R150G13	R150MFG13	1000	230	235	186	150	160	-	238,3	-	25,4	-
R150G14	R150MFG14	1000	235	240	186	150	160	-	244,6	-	26,0	-
R150G15	R150MFG15	1000	240	245	186	150	160	-	251	-	26,1	-
R150G16	R150MFG16	1000	245	250	186	150	160	-	257,4	-	26,6	-
R150G17	R150MFG17	1000	250	255	186	150	160	-	263,8	-	27,0	-
R150G18	R150MFG18	1000	255	260	186	150	160	-	270,2	-	27,4	-
R150G19	R150MFG19	1000	260	265	186	150	160	-	276,5	-	27,8	-
R150G20	R150MFG20	1000	265	270	186	150	160	-	283	-	28,3	-
R150G20R	R150MFG20R	1000	270	270	186	150	160	-	283	20	28,2	16,14
R150G30R	R150MFG30R	1000	320	320	186	150	160	-	350	27	31,5	22,34
0,5 M CHANNELS												
R150G00RM	R150MFG00RM	500	170	170	186	150	110	90	156	60	12,5	-
R150G10RM	R150MFG10RM	500	220	220	186	150	110	125	218	50	14,6	-
R150G20RM	R150MFG20RM	500	270	270	186	150	110	160	283	40	17,7	-

* Vert. and horiz. outlets on order.

** U shaped section.

*** Available channels with blocking screws (Code: R100F).

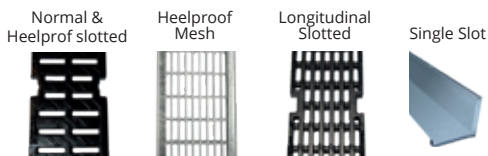


(1) For cross-drainage in heavy traffic areas, we recommend our KOMPAQDRAIN® system.

(2) Available Range in Stainless Steel (Code: R100GX).

MULTIV+150

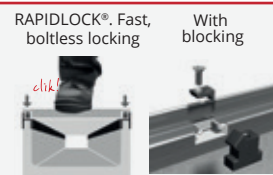
GRATINGS



Material	Design	Load	Code	L mm	Width mm	Opening mm	Units x ml	Weight kg	Intake area cm ² /ml
DUCTILE IRON	HEELPROOF SLOTTED	C250	FNHX150RGCM	500	177	8	2	5,4	391
	SLOTTED	D400	FNX150RGDM	500	177	14	2	5,5	671
	HEELPROOF SLOTTED	D400	FNHX150RGDM	500	177	8	2	6,1	390
	HEELPROOF LONG. SLOTTED	D400	FNLHX150RGDEM	500	177	8	2	8,9	384
GALVANISED STEEL	MESH (1)	C250	GEHX150RGC	1000	177	30 x 10	1	7,7	1057
	SINGLE SLOT (1)	D400	GRL150RODH200E18	1000	181	18 / H200	1	11,7	180
	SINGLE SLOT (1)	D400	GRL150ROD	1000	181	9,8 / H105	1	9,0	98
	SINGLE SLOT (1)	D400	GRL150RODE18	1000	181	18 / H105	1	8,2	180
	SINGLE SLOT (1)	D400	GRL150RODH150	1000	181	9,8 / H150	1	9,9	98
	SINGLE SLOT (1)	D400	GRL150RODH150E18	1000	181	18 / H150	1	9,9	180
	SINGLE SLOT (1)	D400	GRL150RODH200	1000	181	9,8 / H200	1	11,3	98

(1) Available in stainless steel, consult design

LOCKING SYSTEM



Rapidlock	With blocking		
	Code	Units ml	
(2)	TR615+ BLOCK- PRG18020T	8 + 8	
(2)		8 + 8	
(2)		8 + 8	
(2)		8 + 8	
(2)		8 + 8	
(2)		8 + 8	
(2)		(3)	-
(2)		(3)	-

(1) Integrated into the channel
(2) Supported

SUMP UNITS

	Code		L mm	H mm	Width mm	Lateral outlets Ø mm	Front outlet Ø mm	Sump units	Weight Kg
	Galvanised edges	Ductile Iron edges							
	AR150G	AR150MFG							

BUCKET

	Code
	CR150

POLYMER CONCRETE CHANNEL WITH PRESLOPED OF 0.5%

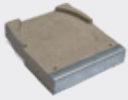
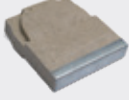

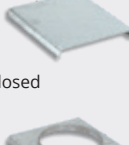
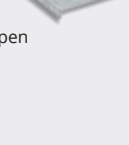
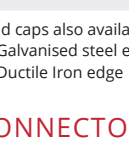
- Self-cleaning effect.
- Minimum maintenance.

SLOPE DESIGNS




MULTIV+150

END CAPS


	Code channel	Material	Open			Closed
			Code	Ø mm	Accessory	Code
	R150GH8	GALVANISED STEEL	-	-	-	TR150H8C
		POLYMER CONCRETE	-	-	-	THPR150GH8C (1)
	R150GH12	GALVANISED STEEL	-	-	-	TR150H12C
		POLYMER CONCRETE	-	-	-	THPR150GH12C (1)
	R150G00R R150MFG00R	GALVANISED STEEL	TR15000A	110	-	TR15000C
		POLYMER CONCRETE	THPR150G00AJ (1)	110	Joint	-
		POLYMER CONCRETE	THPR150G00AT (1)	110	Pipe	THPR150G00C (1)
		POLYMER CONCRETE	THPR150MFG00AJ (2)	110	Joint	THPR150MFG00C (2)
	R150G10R R150MFG10R	GALVANISED STEEL	TR15010A	-	-	TR15010C
		POLYMER CONCRETE	THPR150G10AJ (1)	160	Joint	-
		POLYMER CONCRETE	THPR150G10AT (1)	160	Pipe	THPR150G10C (1)
		POLYMER CONCRETE	THPR150MFG10AJ (2)	160	Joint	THPR150MFG10C (2)
	R150G20R R150MFG20R	POLYMER CONCRETE	THPR150MFG10AT (2)	160	Pipe	-
		GALVANISED STEEL	TR15020A	-	-	TR15020C
		POLYMER CONCRETE	THPR150G20AJ (1)	160	Joint	-
		POLYMER CONCRETE	THPR150G20AT (1)	160	Pipe	THPR150G20C (1)
	R150G30R R150MFG30R	POLYMER CONCRETE	THPR150MFG20AJ (2)	160	Joint	THPR150MFG20C (2)
		POLYMER CONCRETE	THPR150MFG20AT (2)	160	Pipe	-
		GALVANISED STEEL	TR15030A	-	-	TR15030C
		POLYMER CONCRETE	THPR150G30AJ (1)	160	Joint	-
		POLYMER CONCRETE	THPR150G30AT (1)	160	Pipe	THPR150G30C (1)
		POLYMER CONCRETE	THPR150MFG30AJ (2)	160	Joint	THPR150MFG30C (2)
		POLYMER CONCRETE	THPR150MFG30AT (2)	160	Pipe	-

*End caps also available with stainless steel edge.
 (1) Galvanised steel edge
 (2) Ductile Iron edge

CONNECTORS

	Code channel	Material	Open end caps	
			Galvanised edge	Ductile Iron edge
	R150G00R	POLYMERBETON	TCR150G00MMA	TCR150MF00MMA
	R150G10R	POLYMERBETON	TCR150G10MMA	TCR150MF10MMA
	R150G20R	POLYMERBETON	TCR150G20MMA	TCR150MF20MMA
	R150G30R	POLYMERBETON	TCR150G30MMA	TCR150MF30MMA

ACCESSORIES

	Step Units			Security lock	
	Code			Code	Units x channel
	CER150			BLOQPRG18020	8

To install in the changes of height with cascaded slope.





ALLEE
3

4

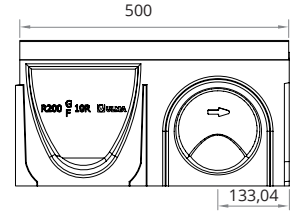
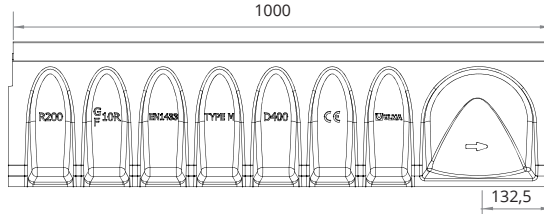
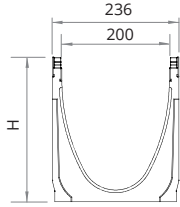
5

MULTIV +

TECHNICAL DRAINAGE



ULMA Linear Drainage Channel, type MULTIV+ R200G, External width 236 mm, Internal width 200 mm, with overall heights between 80 and 370 mm; 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; galvanised steel edges (2) for lateral protection; Either **Rapidlock®** boltless system or screw-fastened. 8 locking points per linear metre.



CHANNELS

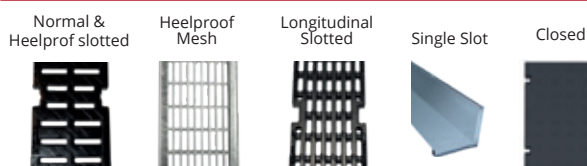
Channel Code		L mm	H mm		Width mm		Ø Outlet* mm		Hydraul. Section cm²	Units x pallet	Weight Kg	Qref l/s
Galvanised edges	Ductile iron edges		Initial	Final	Z	X	Vert.	Hor.				
R200GH8**	-	1000	80	80	236	200	160	-	79	48	16,5	1,96
R200GH12**	-	1000	120	120	236	200	160	-	159	36	19,3	5,81
R200G00R	R200MFG00R	1000	170	170	236	200	200	-	204	35	25,2	8,41
R200G00R	R200MFG00R	1000	220	220	236	200	200	-	284	16	28,9	14,11
R200G01	R200MFG01	1000	220	225	236	200	200	-	294,6	-	29,5	-
R200G02	R200MFG02	1000	225	230	236	200	200	-	302,7	-	30,0	-
R200G03	R200MFG03	1000	230	235	236	200	200	-	310,9	-	30,2	-
R200G04	R200MFG04	1000	235	240	236	200	200	-	319	-	30,7	-
R200G05	R200MFG05	1000	240	245	236	200	200	-	327,2	-	31,2	-
R200G06	R200MFG06	1000	245	250	236	200	200	-	335,3	-	31,7	-
R200G07	R200MFG07	1000	250	255	236	200	200	-	343,5	-	32,1	-
R200G08	R200MFG08	1000	255	260	236	200	200	-	351,6	-	32,5	-
R200G09	R200MFG09	1000	260	265	236	200	200	-	359,8	-	32,9	-
R200G10	R200MFG10	1000	265	270	236	200	200	-	368	-	33,4	-
R200G10R	R200MFG10R	1000	270	270	236	200	200	-	368	16	33,4	21,09
R200G11	R200MFG11	1000	270	275	236	200	200	-	388,4	-	33,6	-
R200G12	R200MFG12	1000	275	280	236	200	200	-	396,1	-	34,0	-
R200G13	R200MFG13	1000	280	285	236	200	200	-	403,8	-	34,5	-
R200G14	R200MFG14	1000	285	290	236	200	200	-	411,6	-	34,9	-
R200G15	R200MFG15	1000	290	295	236	200	200	-	419,3	-	35,2	-
R200G16	R200MFG16	1000	295	300	236	200	200	-	427	-	35,4	-
R200G17	R200MFG17	1000	300	305	236	200	200	-	434,8	-	36,3	-
R200G18	R200MFG18	1000	305	310	236	200	200	-	442,5	-	36,6	-
R200G19	R200MFG19	1000	310	315	236	200	200	-	450,2	-	37,1	-
R200G20	R200MFG20	1000	315	320	236	200	200	-	458	-	37,4	-
R200G20R	R200MFG20R	1000	320	320	236	200	200	-	458	21	37,5	29,24
R200G30R	R200MFG30R	1000	370	370	236	200	200	-	542	21	41,6	38,39
0,5 M CHANNELS												
R200G00RM	R200MFG00RM	500	220	220	236	200	160	125	284	32	19,8	-
R200G10RM	R200MFG10RM	500	270	270	236	200	160	160	368	32	21,7	-
R200G20RM	R200MFG20RM	500	270	270	236	200	160	160	368	42	21,7	-

* Vert. and horiz. outlets on order.
 ** U shaped section.
 *** Available channels with blocking screws (Code: R200F).

(1) For cross-drainage in heavy traffic areas, we recommend our KOMPAQDRAIN® system.
 (2) Available Range in Stainless Steel. (Code: R200GX).

MULTIV+200

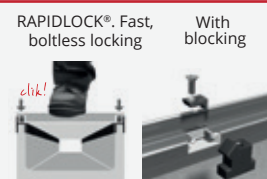
GRATINGS



Material	Design	Load	Code	L mm	Width mm	Opening mm	Units x ml	Weight kg	Intake area cm ² /ml
DUCTILE IRON	HEELPROOF SLOTTED	C250	FNHX200RGCM	500	227	8	2	7,1	535
	SLOTTED	D400	FNX200RGDM	500	227	14	2	7,8	920
	HEELPROOF SLOTTED	D400	FNHX200RGDM	500	227	8	2	8,3	544
	HEELPROOF LONG. SLOTTED	D400	FNLHX200RGDEM	500	227	8	2	9,9	503
	CLOSED	D400	FC200RGDEM	500	227	-	2	8,5	-
GALVANISED STEEL	HEELPROOF MESH (1)	C250	GEHX200RGC	500	227	30 x 10	2	10,6	1453
	SINGLE SLOT (1)	D400	GRL200ROD	1000	231	9,8 / H105	1	11,0	98
	SINGLE SLOT (1)	D400	GRL200RODH150	1000	231	9,8 / H150	1	12,6	98
	SINGLE SLOT (1)	D400	GRL200RODH200	1000	231	9,8 / H200	1	14,5	98
	SINGLE SLOT (1)	D400	GRL200RODE18	1000	231	18 / H105	1	11,1	180
	SINGLE SLOT (1)	D400	GRL200RODH150E18	1000	231	18 / H150	1	13,9	180
	SINGLE SLOT (1)	D400	GRL200RODH200E18	1000	231	18 / H200	1	14,5	180

(1) Available in stainless steel, consult design

LOCKING SYSTEM



Rapidlock	With blocking	
	Code	Units ml
(2)	TR615+ BLOCK- PRG18020T	8 + 8
(2)		8 + 8
(2)		8 + 8
(2)		8 + 8
(2)		8 + 8
(2)		8 + 8
(2)	(3)	-
(2)	(3)	-
(2)	(3)	-
(2)	(3)	-
(2)	(3)	-

(1) Integrated into the channel
(2) Supported

SUMP UNITS

Code	L mm	H mm	Width mm	Lateral outlets Ø mm	Front outlet Ø mm	Sump units	Weight Kg
AR200G	500	550	236	160/200	110	1	42,2

BUCKET

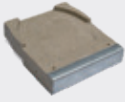
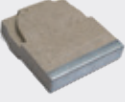


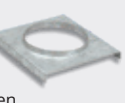
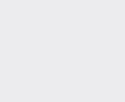
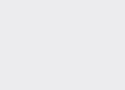

Code
CR200

SLOPE DESIGNS



MULTIV+200

END CAPS


	Code channel	Material	Open			Closed
			Code	Ø mm	Accessory	Code
	R200GH8	GALVANISED STEEL	-	-	-	TR200H8C
		POLYMER CONCRETE	-	-	-	THPR200GH8C
	R200GH12	GALVANISED STEEL	-	-	-	TR200H12C
		POLYMER CONCRETE	-	-	-	THPR200GH12C
	R200G000R R200MFG000R	GALVANISED STEEL	TR200000A	110	-	TR200000C
		POLYMER CONCRETE	THPR200G000AJ (1)	110	Joint	THPR200G000C
		POLYMER CONCRETE	THPR200G000AT (1)	110	Pipe	-
		POLYMER CONCRETE	THPR200MFG000AJ (2)	110	Joint	THPR200MFG000C
	R200G00R R200MFG00R	POLYMER CONCRETE	THPR200MFG000AT (2)	110	Pipe	-
		GALVANISED STEEL	TR200000A	160	-	TR200000C
		POLYMER CONCRETE	THPR200G00AJ (1)	160	Joint	THPR200G00C
		POLYMER CONCRETE	THPR200G00AT (1)	160	Pipe	-
	R200G10R R200MFG10R	POLYMER CONCRETE	THPR200MFG00AJ (2)	160	Joint	THPR200MFG00C
		POLYMER CONCRETE	THPR200MFG00AT (2)	160	Pipe	-
		GALVANISED STEEL	TR20010A	-	-	TR20010C
		POLYMER CONCRETE	THPR200G10AJ (1)	160	Joint	THPR200G10C
	R200G20R R200MFG20R	POLYMER CONCRETE	THPR200G10AT (1)	160	Pipe	-
		POLYMER CONCRETE	THPR200MFG10AJ (2)	160	Joint	THPR200MFG10C
		POLYMER CONCRETE	THPR200MFG10AT (2)	160	Pipe	-
		GALVANISED STEEL	TR20020A	-	-	TR20020C
	R200G30R R200MFG30R	POLYMER CONCRETE	THPR200G20AJ (1)	160	Joint	THPR200G20C
		POLYMER CONCRETE	THPR200G20AT (1)	160	Pipe	-
		POLYMER CONCRETE	THPR200MFG20AJ (2)	160	Joint	THPR200MFG20C
		POLYMER CONCRETE	THPR200MFG20AT (2)	160	Pipe	-
	R200G30R R200MFG30R	GALVANISED STEEL	TR20030A	-	-	TR20030C
		POLYMER CONCRETE	THPR200G30AJ (1)	160	Joint	THPR200G30C
		POLYMER CONCRETE	THPR200G30AT (1)	160	Pipe	-
		POLYMER CONCRETE	THPR200MFG30AJ (2)	160	Joint	THPR200MFG30C
		POLYMER CONCRETE	THPR200MFG30AT (2)	160	Pipe	-

*End caps also available with stainless steel edge.

(1) Galvanised steel edge

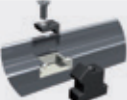
(2) Ductile Iron edge

CONNECTORS

	Code channel	Material	Open end caps	
			Galvanised edge	Ductile Iron edge
	R200G00R	POLYMERBETON	TCR200G00MMA	TCR200MF00MMA
	R200G10R	POLYMERBETON	TCR200G10MMA	TCR200MF10MMA
	R200G20R	POLYMERBETON	TCR200G20MMA	TCR200MF20MMA
	R200G30R	POLYMERBETON	TCR200G30MMA	TCR200MF30MMA

ACCESSORIES

	Step Units
	Code
	CER200

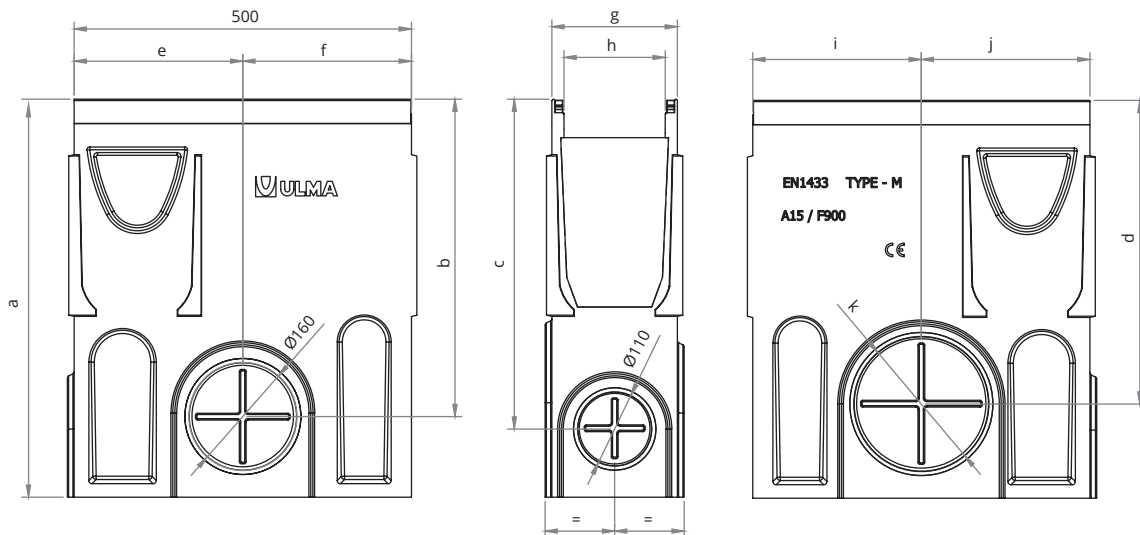
	Security lock	
	Code	Units x channel
	BLOQPRG18020	8

To install in the changes of height with cascaded slope.



SUMP UNITS

AR100G / AR100MFG / AR150G / AR150MFG / AR200G / AR200MFG



Code channel	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm
AR100G/AR100MFG	490	370	390	390	250	250	136	100	250	250	110
AR150G/AR150MFG	590	470	490	450	250	250	186	150	250	250	200
AR200G/AR200MFG	550	430	460	425	360	140	236	200	140	360	200