

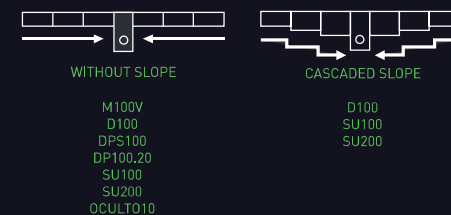
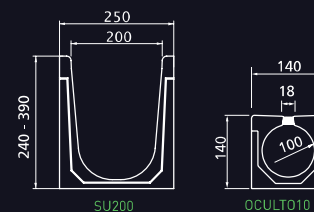
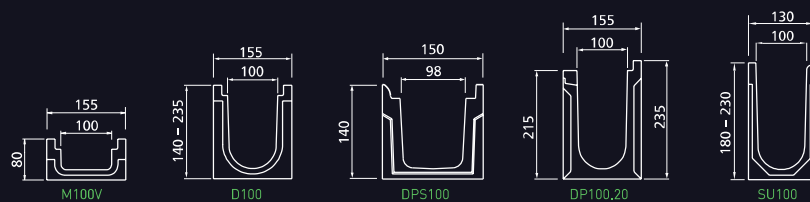


SPORT SYSTEM

APPLICATIONS: RECREATIONAL AREAS, RUNNING TRACKS, FOOTBALL PITCHES...

Range of channels and accessories for sports facilities, football pitches, running tracks, indoor areas such as showers and changing rooms, pool sides, etc.

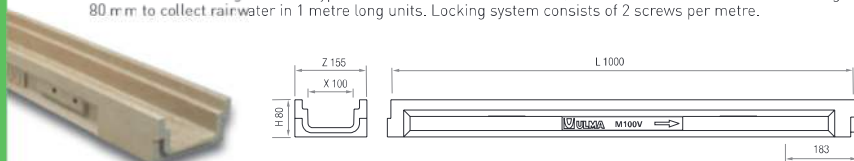
SPORT



M100V

LOAD CLASS
UP TO C250
EN-1433 STANDARD

ULMA Linear Drainage Channel type M100V: External width 155 mm; Internal width 100mm and overall height 80 mm to collect rainwater in 1 metre long units. Locking system consists of 2 screws per metre.



Channel	L (mm)	H (mm)	Width (mm)		Ø Outlet* (mm)		Hydraul. Section (cm²)	Pcs. / Pallet
			Z	X	Vert.	Hor.		
M100V	1000	80	155	100	90	-	40	120

*Vert. outlets on order.



GRATINGS

Material	Design	Load	Code	L (mm)	Width (mm)	Opening (mm)	Units (x LM)
DUCTILE IRON	SLOTTED	C250	FNX100KCCM	500	123	14	2
	HEELPROOF SLOTTED	C250	FNHX100KCCM	500	123	5	2
GALVANIZED STEEL	PERFORATED	A15	GP100KCA	1000	123	Ø 6	1
	SLOTTED	A15	GN100KCA	1000	123	9	1
STAINLESS STEEL	HEELPROOF MESH	B125	GEHX100KCB	1000	123	30 x 10	1
	SLOTTED	A15	IN100KCA	1000	123	7	1
COMPOSITE	PERFORATED	A15	IP100KCA	1000	123	Ø 6	1
	MESH	B125	IEX100KCB	1000	123	30 x 20	1
COMPOSITE	HEELPROOF SLOTTED	A15	PNH100KCAM-GRIS (1)	500	123	5	2
	MESH	B125	PE100KCBM	500	123	14 x 12,5	2

(1) Available in several colors .

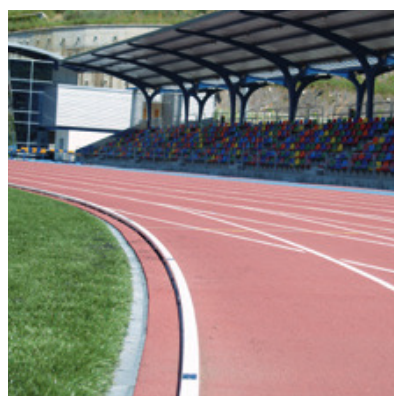
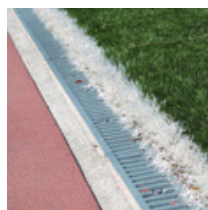
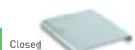
LOCKING SYSTEM

SCREW LOCKING SYSTEM. 2 screws per metre.



ACCESSORIES TABLE

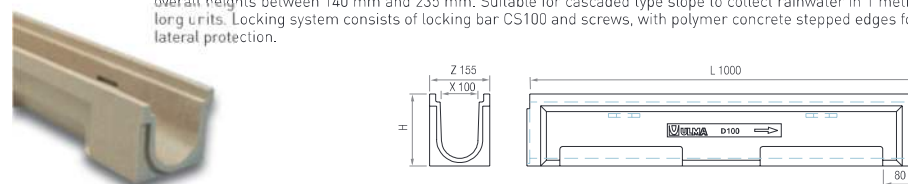
END CAPS	
Code	Type
T100MVC	CLOSED



D100

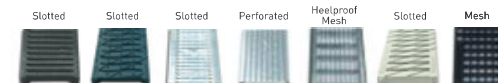
LOAD CLASS
UP TO C250
EN-1433 STANDARD

ULMA Linear Drainage Channel type D100: External width 155 mm; Internal width 100 mm; Available with overall heights between 140 mm and 235 mm. Suitable for cascaded type slope to collect rainwater in 1 metre long units. Locking system consists of locking bar CS100 and screws, with polymer concrete stepped edges for lateral protection.



Channel	L (mm)	H (mm)	Width (mm)		Ø Outlet* (mm)		Hydraul. Section (cm²)	Pcs. / Pallet
			Z	X	Vert.	Hor.		
D100,00	1000	140	155	100	110	-	86	78
D100,05	1000	160	155	100	110	-	106	65
D100,10	1000	185	155	100	110	110	130	65
D100,15	1000	210	155	100	110	110	154	52
D100,20	1000	235	155	100	110	110	178	52

*Vert. and horiz. outlets on order.



GRATINGS

Material	Design	Load	Code	L (mm)	Width (mm)	Opening (mm)	Units (x LM)
DUCTILE IRON	SLOTTED	C250	FNX100KCCM	500	123	14	2
	HEELPROOF SLOTTED	C250	FNHX100KCCM	500	123	5	2
GALVANIZED STEEL	PERFORATED	A15	GP100KCA	1000	123	Ø 6	1
	SLOTTED	A15	GN100KCA	1000	123	9	1
STAINLESS STEEL	HEELPROOF MESH	B125	GEHX100KCB	1000	123	30 x 10	1
	SLOTTED	A15	IN100KCA	1000	123	7	1
COMPOSITE	PERFORATED	A15	IP100KCA	1000	123	Ø 6	1
	MESH	B125	IEX100KCB	1000	123	30 x 20	1
COMPOSITE	HEELPROOF SLOTTED	A15	PNH100KCAM-GRIS (1)	500	123	5	2
	MESH	B125	PE100KCBM	500	123	14 x 12,5	2

(1) Available in several colors.

LOCKING SYSTEM

LOCKING BAR.
Two locking bars and two screws per linear metre.



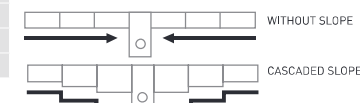
SUMP UNITS AND ACCESSORIES TABLE

Code	L (mm)	H (mm)	Width (mm)	Ø Outlet (mm)		Sump Units	Bucket
				Lateral	Front		
AD100	500	560	155	110/160	90	1	CU100

END CAPS	
Code	Type
T100D00C	CLOSED
T100D05C	CLOSED
T100D10C	CLOSED
T100D15C	CLOSED
T100D20C	CLOSED

STEP UNITS	
Code	Type
CED100	CLOSED

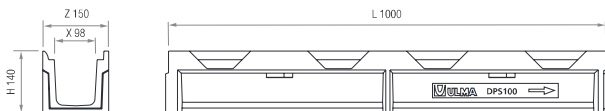
SLOPE DESIGNS



DPS100

LOAD CLASS
UP TO C250
EN-1433 STANDARD

ULMA Linear Drainage Channel type DPS100: External width 150 mm; Internal width 98 mm and overall height 140 mm to collect rainwater, with side entries for additional water collection, in 1 metre long units. Locking system consists of locking bar CS100 and screws, with polymer concrete stepped edges for lateral protection.



Channel	L (mm)	H (mm)	Width (mm)		Ø Outlet* (mm)		Hydraul. Section (cm²)	Pcs. / Pallet
			Z	X	Vert.	Hor.		
DPS100	1000	140	150	98	-	-	95	91



GRATINGS

Material	Design	Load	Code	L (mm)	Width (mm)	Opening (mm)	Units (x L.M)
DUCTILE IRON	SLOTTED	C250	FNX100KCCM	500	123	14	2
	HEELPROOF SLOTTED	C250	FNHX100KCCM	500	123	5	2
GALVANIZED STEEL	PERFORATED	A15	GP100KCA	1000	123	Ø 6	1
	SLOTTED	A15	GN100KCA	1000	123	9	1
STAINLESS STEEL	HEELPROOF MESH	B125	GEHX100KCB	1000	123	30 x 10	1
	SLOTTED	A15	IN100KCA	1000	123	7	1
COMPOSITE	PERFORATED	A15	IP100KCA	1000	123	Ø 6	1
	MESH	B125	IEX100KCB	1000	123	30 x 20	1
COMPOSITE	HEELPROOF SLOTTED	A15	PNH100KCAM-GRIS (1)	500	123	5	2
	MESH	B125	PE100KCBM	500	123	14 x 12,5	2

(1) Available in several colors.

LOCKING SYSTEM

LOCKING BAR.
Two locking bars and two screws per linear metre.

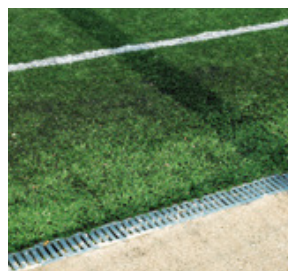


SUMP UNITS AND ACCESSORIES TABLE

Code	L (mm)	H (mm)	Width (mm)	Ø Outlet (mm)		Sump Units	Bucket
				Lateral	Front		
ADPS100	500	400	150	160	90	1	CEURO100

END CAPS	
Code	Type
T100D00C	CLOSED

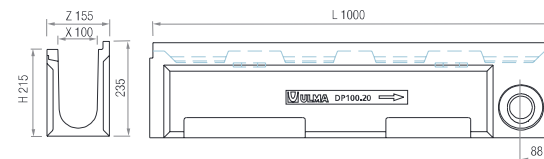
GALVANIZED STEEL BUCKET	
Code	Type
CEURO100	



DP100.20

LOAD CLASS
UP TO C250
EN-1433 STANDARD

ULMA Linear Drainage Channel type DP100.20: External width 155 mm; Internal width 100 mm and overall height 235 mm to collect rainwater in 1 metre long units. Locking system consists of locking bar CS100 and screws, with polymer concrete stepped edges for lateral protection.



Channel	L (mm)	H (mm)	Width (mm)		Ø Outlet* (mm)		Hydraul. Section (cm²)	Pcs. / Pallet
			Z	X	Vert.	Hor.		
DP100.20	1000	235	155	100	110	110	178	52

*Vert. and horiz. outlets on order.



GRATINGS

Material	Design	Load	Code	L (mm)	Width (mm)	Opening (mm)	Units (x L.M)
DUCTILE IRON	SLOTTED	C250	FNX100KCCM	500	123	14	2
	HEELPROOF SLOTTED	C250	FNHX100KCCM	500	123	5	2
GALVANIZED STEEL	PERFORATED	A15	GP100KCA	1000	123	Ø 6	1
	SLOTTED	A15	GN100KCA	1000	123	9	1
STAINLESS STEEL	HEELPROOF MESH	B125	GEHX100KCB	1000	123	30 x 10	1
	SLOTTED	A15	IN100KCA	1000	123	7	1
COMPOSITE	PERFORATED	A15	IP100KCA	1000	123	Ø 6	1
	MESH	B125	IEX100KCB	1000	123	30 x 20	1
COMPOSITE	HEELPROOF SLOTTED	A15	PNH100KCAM-GRIS (1)	500	123	5	2
	MESH	B125	PE100KCBM	500	123	14 x 12,5	2

(1) Available in several colors.

LOCKING SYSTEM

LOCKING BAR.
Two locking bars and two screws per linear metre.

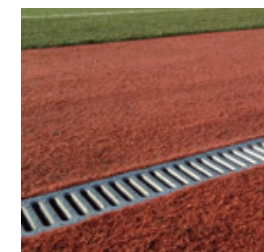


SUMP UNITS AND ACCESSORIES TABLE

Code	L (mm)	H (mm)	Width (mm)	Ø Outlet (mm)		Sump Units	Bucket
				Lateral	Front		
ADP100	500	560	155	110/160	90	1	CU100

END CAPS	
Code	Type
T100D20C	CLOSED

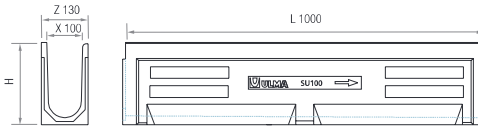
GALVANIZED STEEL BUCKET	
Code	Type
CU100	



SU100

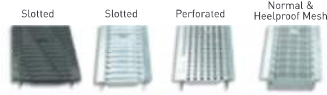
LOAD CLASS
UP TO C250
EN-1433 STANDARD

ULMA Linear Drainage Channel type SU100: External width 130 mm; Internal width 100 mm and available with overall heights between 180 mm and 230 mm. Suitable for cascaded type slope to collect rainwater in 1 meter long units. Locking system consists of locking bar CS100 and screws.



Channel	L (mm)	H (mm)	Width (mm)		Ø Outlet (mm)		Hydraul. Section (cm²)	Pcs. / Pallet
			Z	X	Vert.	Hor.		
SU100.18R	1000	180	130	100	110	110	145	65
SU100.20R	1000	205	130	100	110	110	169	52
SU100.23R	1000	230	130	100	110	110	193	52

*Vert. and horiz. outlets on order.



GRATINGS

Material	Design	Load	Code	L (mm)	Width (mm)	Thickness (mm)	Opening (mm)	Units (x L.M.)
DUCTILE IRON	SLOTTED	B125	FNX100UCBM	500	130	6	14,9	2
	SLOTTED	A15	GN100UCA	1000	130	3	9	1
	SLOTTED	A15	GN100UOA (1)	1000	130	3	8	1
	PERFORATED	A15	GP100UCA	1000	130	3	Ø 6	1
	MESH	B125	GEX100UCB33	1000	130	2	30 x 30	1
GALVANIZED STEEL	HEELPROOF MESH	B125	GEHX100UCB	1000	130	2	30 x 10	1
	SLOTTED	A15	IN100UCA	1000	130	3	7	1
	PERFORATED	A15	IP100UCA	1000	130	3	Ø 6	1
STAINLESS STEEL	MESH	B125	IEX100UCB	1000	130	3	30 x 20	1

(1) Grating on, without screws. Attachment element available.

LOCKING SYSTEM

LOCKING BAR.
Two locking bars and two screws per linear metre.



SUMP UNITS AND ACCESSORIES TABLE

Code	L (mm)	H (mm)	Width (mm)	Ø Outlet (mm)		Sump Units	Bucket
				Lateral	Front		
ASU100	500	540	130	110/160	90	1	CU100

Channel	Code	Type	Ø (mm)
SU100.18R	T100U10C	CLOSED	-
	T100U10A	OPEN	110
SU100.20R	T100U15C	CLOSED	-
	T100U15A	OPEN	110
SU100.23R	T100U20C	CLOSED	-
	T100U20A	OPEN	110

STEP UNITS
Code
CEU100

GALVANIZED STEEL BUCKET
Code
CU100

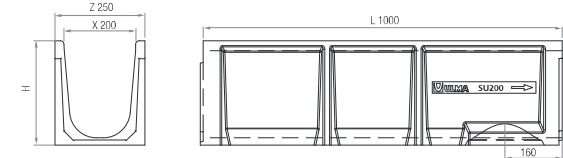
SLOPE DESIGNS



SU200

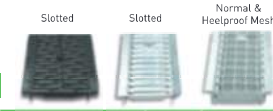
LOAD CLASS
UP TO C250
EN-1433 STANDARD

ULMA Linear Drainage Channel type SU200: External width 250 mm; Internal width 200 mm; Available with overall heights between 240 mm and 390 mm. Suitable for cascaded type slope to collect rainwater in 1 metre long units. Locking system consists of locking bar CS200 and screws.



Channel	L (mm)	H (mm)	Width (mm)		Ø Outlet* (mm)		Hydraul. Section (cm²)	Pcs. / Pallet
			Z	X	Vert.	Hor.		
SU200.00R	1000	240	250	200	200	-	385	28
SU200.10R	1000	290	250	200	200	-	465	28
SU200.20R	1000	340	250	200	200	-	540	21
SU200.30R	1000	390	250	200	200	-	620	21

*Vert. outlets on order.



GRATINGS

Material	Design	Load	Code	L (mm)	Width (mm)	Thickness (mm)	Opening (mm)	Units (x L.M.)
DUCTILE IRON	SLOTTED	C250	FNX200UCCM	500	250	6	10	2
	SLOTTED	A15	GN200UCA	1000	250	4	8,5	1
GALVANIZED STEEL	MESH	B125	GEX200UCB33	1000	250	2,5	30 x 30	1
	HEELPROOF MESH	B125	GEHX200UCB	1000	250	2,2	30 x 10	1

LOCKING SYSTEM

LOCKING BAR.
Two locking bars and two screws per linear metre.



SUMP UNITS AND ACCESSORIES TABLE

Code	L (mm)	H (mm)	Width (mm)	Ø Outlet (mm)		Sump Units	Bucket
				Lateral	Front		
AU200*	500	338	260	160/200	-	1	-
AU200S + A200B*	500	680**	260	160/200	-	2	C200

*Available up to 340 mm height.

**The sump unit can be higher incorporating an intermediate unit.

Channel	Code	Type	Ø (mm)
SU200.00R	T200SU00C	CLOSED	-
	T200SU00A	OPEN	200
SU200.10R	T200SU10C	CLOSED	-
	T200SU10A	OPEN	200
SU200.20R	T200SU20C	CLOSED	-
	T200SU20A	OPEN	200
SU200.30R	T200SU30C	CLOSED	-
	T200SU30A	OPEN	200

STEP UNITS
Code
CE200

GALVANIZED STEEL BUCKET*
Code
C200

*Only applicable if 2 sump units are installed.

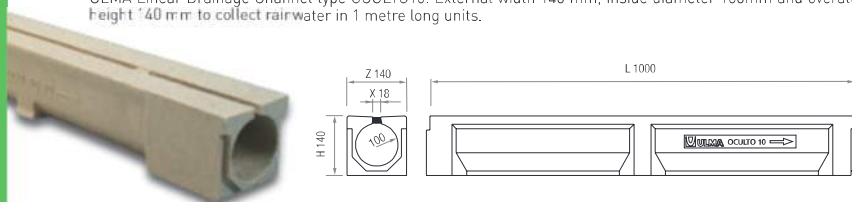
SLOPE DESIGNS



OCULTO10

LOAD CLASS
UP TO A15
EN-1433 STANDARD

ULMA Linear Drainage Channel type OCULTO10: External width 140 mm, inside diameter 100mm and overall height 140 mm to collect rainwater in 1 metre long units.



Channel	L (mm)	H (mm)	Width (mm)		Ø Outlet* (mm)		Hydraul. Section (cm²)	Pcs. / Pallet
			Z	X	Vert.	Hor.		
OCULTO10	1000	140	140	100	110	110	78,5	56

*Vert. and horiz. outlets on order.

GRATINGS

The channel does not have grating. Channel of one piece only.



SUMP UNITS AND ACCESSORIES TABLE

Code	L (mm)	H (mm)	Width (mm)	Ø Outlet (mm)		Sump Units	Bucket
				Lateral	Front		
AOCULTO100S + AU100	500	675	140	110/160	110	2	CU100
AOCULTO100S + AEURO100	500	438	140	90/110	90	2	CEURO100

HPR100KCAM polymer concrete grating is locked on the AOCULTO 100S sump unit and OCULTO 100RM maintenance element using a locking bar.

ACCESS UNIT

Code	L (mm)	H (mm)	Width (mm)	OCULTO 100RM	GALVANIZED STEEL BUCKET *	
					Code	
OCULTO100RM	500	140	140		COCULTO100	

*Only applicable if 2 sump units are installed.

ACCESS UNIT GRATING

Material	Design	Load	Code	L (mm)	Width (mm)	Thickness (mm)	Units (x LM)	HPR100KCAM
POLYMER C.	SINGLE SLOT	A15	HPR100KCAM	500	110	30	2	

