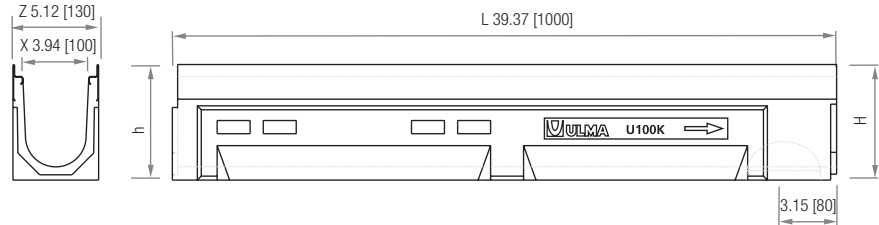


U100K

LOAD CLASS
UP TO C250
EN-1433 STANDARD

ULMA Linear Trench Drain type U100K: External width 5.12 inches [130 mm]; Internal width 3.94 inches [100 mm]; Available with overall heights between 5.91 and 9.84 inches [150 mm and 250 mm] for 0,5% presloped trench drains and between 5.91 and 11.81 inches [150 and 300 mm] for cascaded slope, to collect rainwater in 39.37 inches [1 LM] long units; Integrated galvanized steel* edges for lateral protection. Locking system consists of CS100 locking bar and screws.

*Also available with stainless steel edge protection.



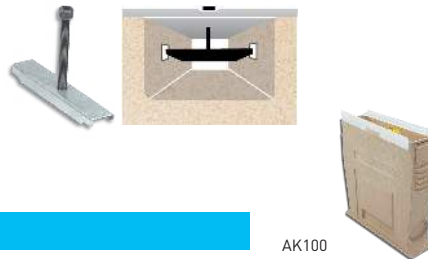
Trench Drain Code	L (in/mm)	Height (in/mm)		Width (in/mm)		Ø Outlet* (in/mm)		Hydraul. Section (in ² /cm ²)
		h	H	Z	X	Vert.	Horiz.	
U100K00R	39.37 [1000]	5.91 [150]	5.91 [150]	5.12 [130]	3.94 [100]	4 [110]	-	15.04 [97]
U100K01	39.37 [1000]	5.91 [150]	6.10 [155]	5.12 [130]	3.94 [100]	-	-	15.04 [97]
U100K02	39.37 [1000]	6.10 [155]	6.30 [160]	5.12 [130]	3.94 [100]	-	-	15.66 [101]
U100K03	39.37 [1000]	6.30 [160]	6.49 [165]	5.12 [130]	3.94 [100]	-	-	16.43 [106]
U100K04	39.37 [1000]	6.49 [165]	6.69 [170]	5.12 [130]	3.94 [100]	-	-	17.21 [111]
U100K05	39.37 [1000]	6.69 [170]	6.89 [175]	5.12 [130]	3.94 [100]	-	-	17.98 [116]
U100K05R	39.37 [1000]	6.89 [175]	6.89 [175]	5.12 [130]	3.94 [100]	4 [110]	-	18.6 [120]
U100K06	39.37 [1000]	6.89 [175]	7.09 [180]	5.12 [130]	3.94 [100]	-	-	18.6 [120]
U100K07	39.37 [1000]	7.09 [180]	7.28 [185]	5.12 [130]	3.94 [100]	-	-	19.38 [125]
U100K08	39.37 [1000]	7.28 [185]	7.48 [190]	5.12 [130]	3.94 [100]	-	-	20.15 [130]
U100K09	39.37 [1000]	7.48 [190]	7.68 [195]	5.12 [130]	3.94 [100]	-	-	20.93 [135]
U100K10	39.37 [1000]	7.68 [195]	7.87 [200]	5.12 [130]	3.94 [100]	-	-	21.7 [140]
U100K10R	39.37 [1000]	7.87 [200]	7.87 [200]	5.12 [130]	3.94 [100]	4 [110]	4 [110]	22.48 [145]
U100K11	39.37 [1000]	7.87 [200]	8.07 [205]	5.12 [130]	3.94 [100]	-	-	22.48 [145]
U100K12	39.37 [1000]	8.07 [205]	8.27 [210]	5.12 [130]	3.94 [100]	-	-	23.25 [150]
U100K13	39.37 [1000]	8.27 [210]	8.46 [215]	5.12 [130]	3.94 [100]	-	-	24.03 [155]
U100K14	39.37 [1000]	8.46 [215]	8.66 [220]	5.12 [130]	3.94 [100]	-	-	24.65 [159]
U100K15	39.37 [1000]	8.66 [220]	8.86 [225]	5.12 [130]	3.94 [100]	-	-	25.42 [164]
U100K15R	39.37 [1000]	8.86 [225]	8.86 [225]	5.12 [130]	3.94 [100]	4 [110]	4 [110]	26.2 [169]
U100K16	39.37 [1000]	8.86 [225]	9.06 [230]	5.12 [130]	3.94 [100]	-	-	26.2 [169]
U100K17	39.37 [1000]	9.06 [230]	9.25 [235]	5.12 [130]	3.94 [100]	-	-	26.97 [174]
U100K18	39.37 [1000]	9.25 [235]	9.45 [240]	5.12 [130]	3.94 [100]	-	-	27.59 [178]
U100K19	39.37 [1000]	9.45 [240]	9.65 [245]	5.12 [130]	3.94 [100]	-	-	28.37 [183]
U100K20	39.37 [1000]	9.65 [245]	9.84 [250]	5.12 [130]	3.94 [100]	-	-	29.14 [188]
U100K20R	39.37 [1000]	9.84 [250]	9.84 [250]	5.12 [130]	3.94 [100]	4 [110]	4 [110]	29.92 [193]
U100K25R	39.37 [1000]	10.83 [275]	10.83 [275]	5.12 [130]	3.94 [100]	4 [110]	4 [110]	37.2 [240]
U100K30R	39.37 [1000]	11.81 [300]	11.81 [300]	5.12 [130]	3.94 [100]	4 [110]	4 [110]	44.64 [288]

*Vert. and horiz. outlets on order.

LOCKING SYSTEM

LOCKING BAR.

Two locking bars and two screws per 39.37 inches.



SUMP UNITS AND ACCESSORIES TABLE

Code	L (in/mm)	H (in/mm)	Width (in/mm)	Ø Outlet (in/mm)		Sump Units	Bucket
				Lateral	Front		
AK100	19.69 [500]	22.05 [560]	5.12 [130]	4 / 6 [110/160]	3 1/2 [90]	1	CU100

*Suitable up to height 20R.

SLOPE DESIGNS



WITHOUT SLOPE



0,5% PRESLOPED



CASCADED SLOPE



MIXED SLOPE

GRATINGS



Material	Design	Load	Code	L [in/mm]	Width [in/mm]	Opening [in/mm]	Norm
DUCTILE IRON	SLOTTED	C250 // 56,200 lbs	FNX100KCCM	19.69 [500]	4.84 [123]	0.55 [14]	
	HEELPROOF SLOTTED	C250 // 56,200 lbs	FNHX100KCCM	19.69 [500]	4.84 [123]	0.19 [5]	
GALVANIZED STEEL	PERFORATED	A15 // 3,372 lbs	GP100KCA	39.37 [1000]	4.84 [123]	0.24 [6]	
	SLOTTED	A15 // 3,372 lbs	GN100KCA	39.37 [1000]	4.84 [123]	0.35 [9]	
	HEELPROOF MESH	B125 // 28,100 lbs	GEHX100KCB	39.37 [1000]	4.84 [123]	1.18 x 0.39 [30 x 10]	
STAINLESS STEEL	SLOTTED	A15 // 3,372 lbs	IN100KCA	39.37 [1000]	4.84 [123]	0.28 [7]	
	PERFORATED	A15 // 3,372 lbs	IP100KCA	39.37 [1000]	4.84 [123]	0.24 [6]	
	MESH	B125 // 28,100 lbs	IEX100KCB	39.37 [1000]	4.84 [123]	1.18 x 0.79 [30 x 20]	
COMPOSITE	HEELPROOF SLOTTED	A15 // 3,372 lbs	PNH100KCAM-GRIS (1)	19.69 [500]	4.84 [123]	0.19 [5]	
	MESH	B125 // 28,100 lbs	PE100KCBM	19.69 [500]	4.84 [123]	0.55 x 0.49 [14 x 12,5]	

(1) Available in several colors.

END CAPS

Design	Material	Code	Trench drain	Type	Outlet [in / mm]
 Closed Open	GALVANIZED STEEL	TUNI100KGC	U100K00R	CLOSED	-
			U100K05R		
			U100K10R		
			U100K15R		
			U100K20R		
			U100K25R		
		TUNI100KGA	U100K30R	OPEN	4 [110]
			U100K00R		
			U100K05R		
			U100K10R		
			U100K15R		
			U100K20R		
			U100K25R		
			U100K30R		

Design	Material	Code	Trench Drain	Type	Outlet [in / mm]
 Closed Open	GALVANIZED STEEL	T100K00C	U100K00R	CLOSED	-
		T100K00A		OPEN	4 [110]
		T100K05C	U100K05R	CLOSED	-
		T100K05A		OPEN	4 [110]
		T100K10C	U100K10R	CLOSED	-
		T100K10A		OPEN	4 [110]
		T100K15C	U100K15R	CLOSED	-
		T100K15A		OPEN	4 [110]
		T100K20C	U100K20R	CLOSED	-
		T100K20A		OPEN	4 [110]
		T100K25C	U100K25R	CLOSED	-
		T100K25A		OPEN	4 [110]
		T100K30C	U100K30R	CLOSED	-
		T100K30A		OPEN	4 [110]

STEP UNITS

Code

CEU100



GALVANIZED STEEL BUCKET

Code

CU100



INSTALLATION DEVICE

Code

ID100

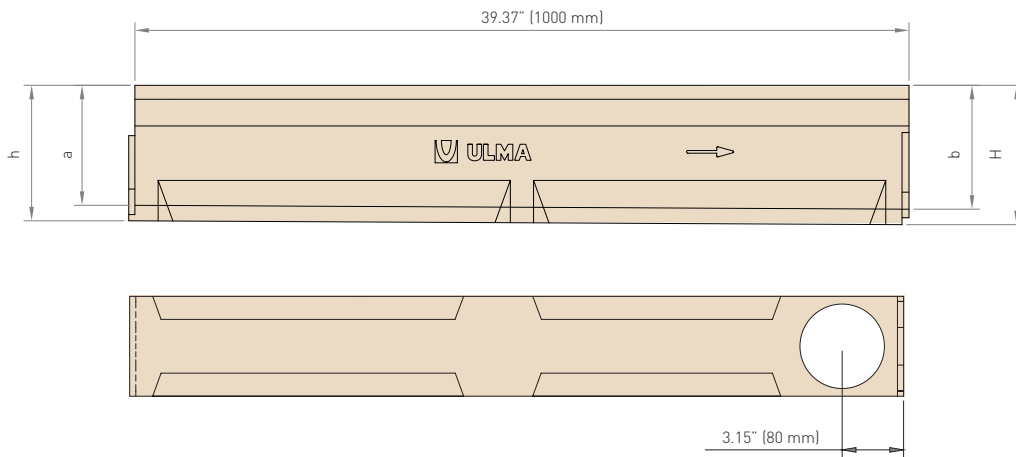


FLOW RATES UK

Outlet flow rates help to select the correct size trench drain based on the requirements of the project.

Outlet flow rates

Trench drain	Outlet [in]	Q [m ³ /s]	GPM	CFS
U100K00R	4	0,0098	154,89	0,34
U100K05R	4	0,0106	167,30	0,37
U100K10R	4	0,0113	178,85	0,39
U100K15R	4	0,0120	189,70	0,42
U100K20R	4	0,0126	199,96	0,44
U100K25R	4	0,0132	209,72	0,46
U100K30R	4	0,0114	181,03	0,40



Sump Units	Outlet [in]	Q [m ³ /s]	GPM	CFS
AK100 (a)	4	0,0124	195,9203	0,4310
AK100 (b)	4	0,0176	278,5124	0,6127
AK100 (c)	6	0,0250	396,8621	0,8731
AK100 (d)	4	0,0170	269,7612	0,5935

