



VELA Edge Slot Drain H.84 WITH STAINLESS STEEL PROFILE H.87



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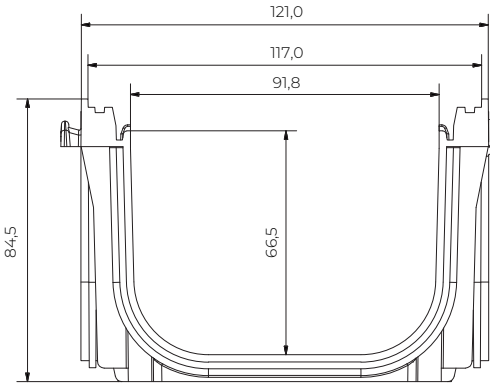
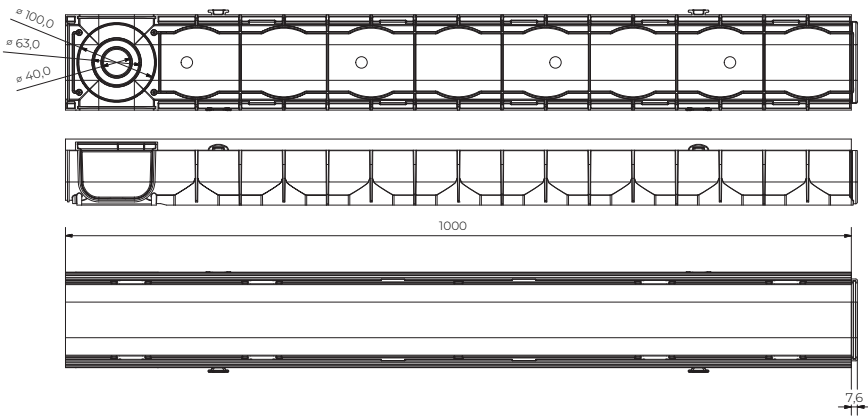
- 1. Code Registry
- 2. Use
- 3. Flow rate
- 4. Technical Specification

1. CODE REGISTRY

Code	Description	Dimensions (mm)	Weight	Colour	Pkg. / Pallet
DCD-VL84-SD87	VELA Edge Slot Drain H.84 WITH STAINLESS STEEL PROFILE H.87	121 x 170 x 1.000	1,42 kg/pc.	Black	1 pc. / 112 pcs

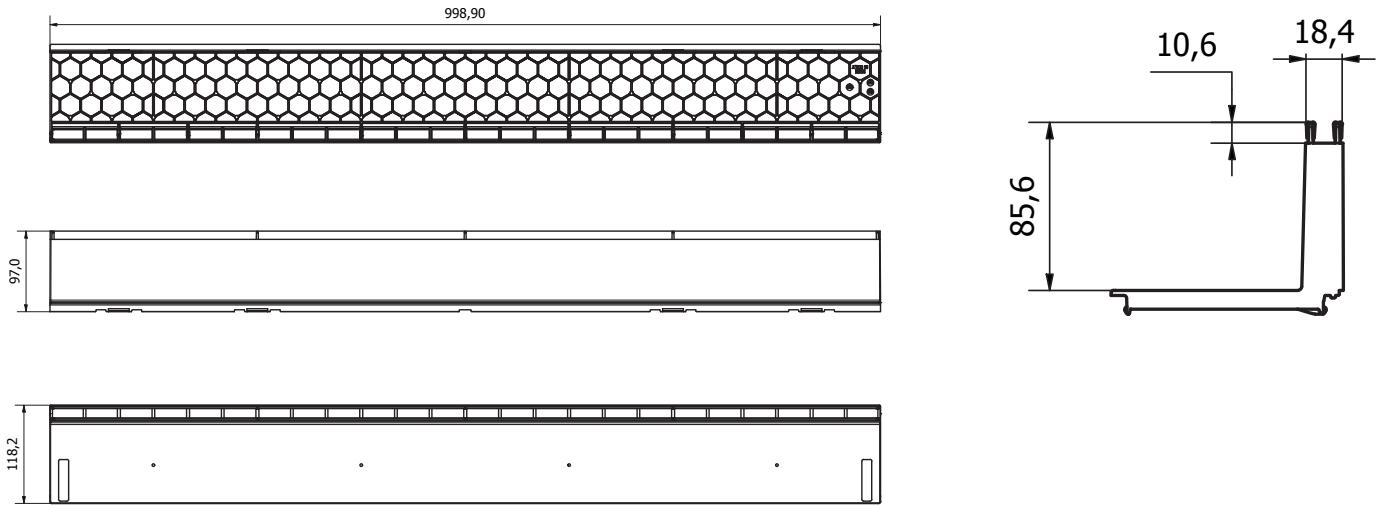
MATERIAL Channel made of PP (polypropylene) - Grating made of PP (polypropylene) with stainless steel profile.

CHANNEL TECHNICAL DETAILS

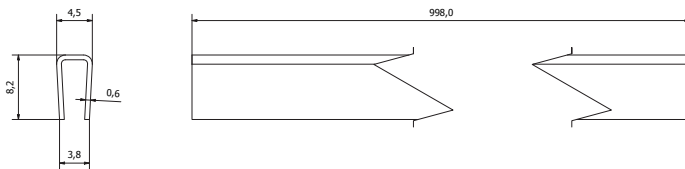


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GRATING TECHNICAL DETAILS



STAINLESS STEEL PROFILE DETAILS

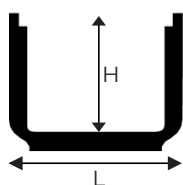


2. USE

Used for the collection and drainage of rainwater.
The matching to its range of gratings allows the use in pedestrian or light traffic areas.

3. FLOW RATE

The flow rate of the channel is calculated according to the Chezy Formula.



Ω = Channel Water Passage Section = $H \cdot L$
 $\Pi_{\text{theoretical}}$ = Perimeter Theoretical Moistened Max = $L + 2H$
 Π_{measured} = Perimeter Measured Moistened Max
 R_i = Radius Plumber = $\Omega / \Pi_{\text{measured}}$
 i_f = Channel Slope
 X = Friction Coefficient

V = Water Speed
 $V = X \sqrt{(R_i \cdot i_f)}$
 γ = Bazin Coefficient
 $X = 87 / (1 + (\gamma / \sqrt{(R_i)}))$
 Q = Scope = $V \cdot \Omega$

CHANNEL	Water Passage						Friction Coef.	Bazin Coef.	Slope %				
	H	L	Ω	$\Pi_{\text{theor.}}$	$\Pi_{\text{meas.}}$	R_i			0,50 %	1,00 %	1,50 %	2,00 %	3,00 %
	mm	mm	mm	mm	mm				Flow Rate (Litres/second)				
VELA channel	66,5	91,8	5.965	223	205	29	64,36	0,06	4,63	6,55	8,02	9,26	11,34



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4. TECHNICAL SPECIFICATION

Specification	Description	Unity	Price
DCD-VL84-SD87	Supply and installation of drainage VELA Channel for collection of meteoric waters. Engineered and reinforced for an high resistance. It is available in black colour. Bottom outlet are ø 40/63/100 mm The channel is sold with pre-mounted polypropylene Black Slot Grating h.87 with stainless steel profiles. Class A15, according to UNI EN 1433. Channel made of PP (polypropylene) - Grating made of PP (polypropylene) with stainless steel profile. Used for the collection and drainage of rainwater. The matching to its range of galvanized steel grating gratings allows the use in pedestrian or light traffic areas. Black.....	pc.	-