

Monolithic trench drain made of FILCOTEN® HPC (High Performance Concrete) - 39.40" (1000mm)

BG-FILCOTEN® one urban nominal width 100 (4") - heavy duty series

	Item no.	Monolithic channel body up to cl. D400 - without slope	Dimension		Slot width (SW)		Weight	
			mm	inches	mm	inches	Kg	Lbs
○	15110100	BG-FILCOTEN one urban NW100 / 4"	1000/158/250	39.37"/6.22"/9.84"	10/65 mm	0.39"/2.56"	43.00	94.79

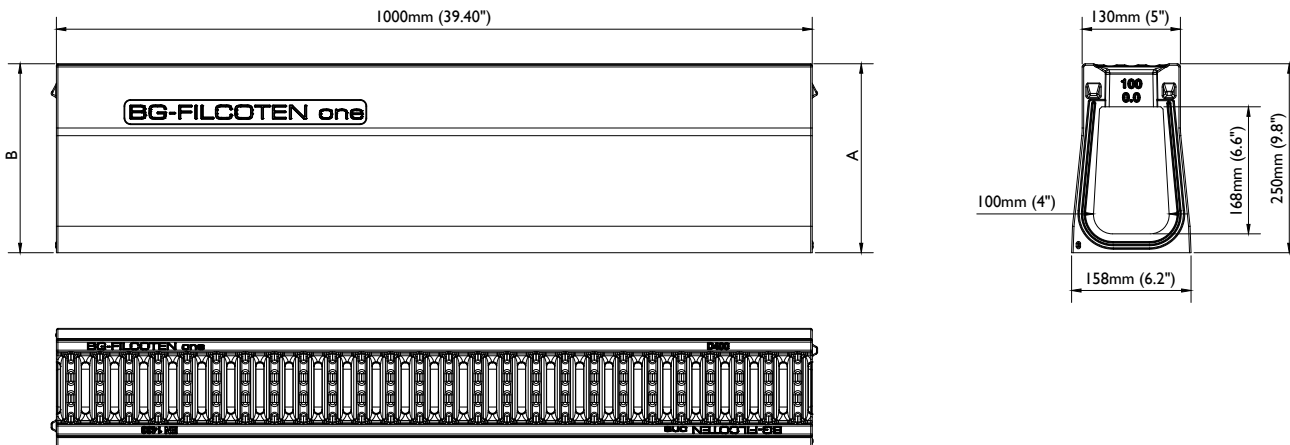
BG-FILCOTEN® one urban, NW100 Inlet cross-section 195 cm²/m ; 30.23 sq.in/m | Discharge cross-section 100/0: 155 cm² ; 24 sq.in

Specification: BG-FILCOTEN® one urban NW100 / 4", 158mm / 6.22" wide, 1000mm / 39.40" long, neutral BG-FILCOTEN trench drain system suitable for load classes D400 . Body is manufactured from high performance concrete (HPC). Bodies have interlocking ends equipped with tongue/groove/tenon system, a radiused extract for efficient liquid drainage and a multiple anchoring ribs to securely hold the body into the concrete foundation. End cap with outlet are available in DN 100mm / 4" for pipe connections. Maintenance units and outlet units with ductile iron grate available for heavy duty application, where the grates are secured to the body with a four point bolting. Front/end caps, outlet units, sump unit, sealing profile and lifting-hook are also available.

Function: Used in commercial areas such as public and industrial spaces, plazas, logistic centers, railway crossing, roundabouts, parking facilities, etc. Ideal for environmentally sensitive areas because the body channels are free of resins, heavy metals, VOC and chemicals. Exceptional adhesion to surrounding concrete foundation due to the concrete composition of the body channels - resulting in a monolithic all concrete installation. Less breakage during transport and installation due to impact resistant, fibre-reinforced, UV resistant concrete material. Heavy duty integral ductile iron frame and grate for maintenance units and outlet units allows for heavy duty traffic applications.

Channel:

FILCOTEN one urban NW100 / 4"; D400



MATERIALS: Channels shall be manufactured from FILCOTEN® HPC (High Performance Concrete). Minimum properties of FILCOTEN® HPC will be as follows:

Compressive strength:	11700 PSI
Flexural strength:	1700 PSI
Free of release agents:	YES
Water absorption sufficient for adhesion with concrete surfaces:	YES
Non flammable:	YES

U/V resistant:	YES
Recyclable 100%:	YES
Dilute acid and alkali resistant:	YES
Frost thaw salt tested as per EN1433 with a test temperature up to -40°C (-40°F):	YES
Resistant to rapid freezing & thawing according to ASTM C666	YES
Resistant to chloride ion penetration according to ASTM C1202	YES
Material free of VOC, biocides, heavy metals:	YES