

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

FILCOTEN® one, nominal width 150 (6") - heavy duty series

	Item no.	Monolithic channel body up to cl. F - without slope	Dimension		Slot width (SW)		Weight	
			mm	inches	mm	inches	Kg	Lbs
○	15015100	FILCOTEN one NW 150 / 6", no. 0,	1000/210/300	39.37"/8.27"/11.81"	23/52 mm	0.9"/2.05"	76.60	167.55
○	15015168	FILCOTEN one NW 150 / 6", no. 40-0,	1000/210/500	39.37"/8.27"/19.68"	23/52 mm	0.9"/2.05"	107.00	235.89

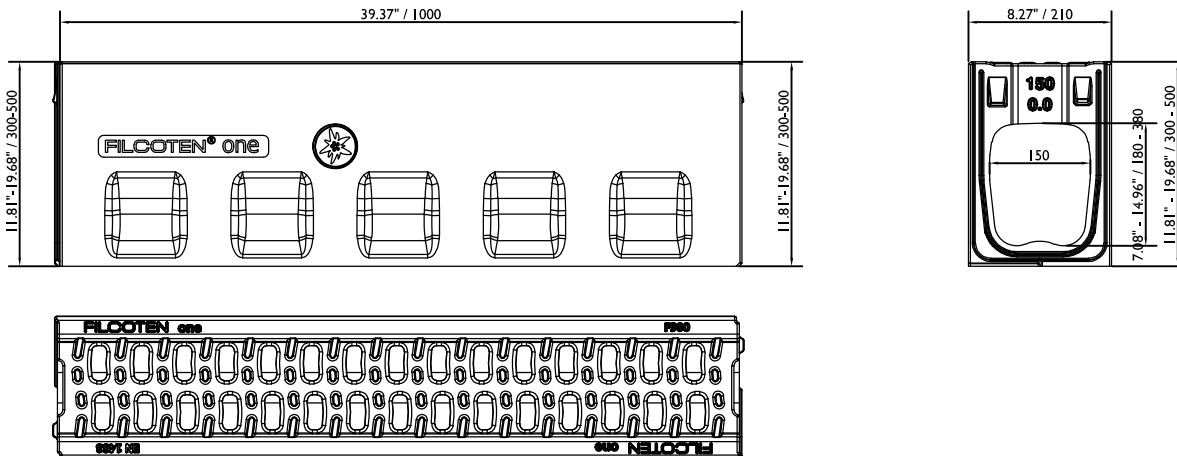
FILCOTEN one NW 150 / 6" : Inlet cross-section 370 cm2/m / 57.35 sq.in/m \ \ \ Cross-section area 150/0: 220 cm2 / 34.1 sq.in | 150/40-0: 520 cm2 / 80.6 sq.in

Specification: FILCOTEN® one NW150 / 6", 210mm / 8.27" wide, 1000mm / 39.40" long, neutral FILCOTEN trench drain system suitable for load classes D400 to F900. 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. It comes in two different depth 300mm / 11.81" and 500mm / 19.68", which allows to create a stepped fall drainage system. End cap with outlet are available in DN 150mm / 6" for pipe connections. Maintenance units with ductile iron grate and outlet units with ductile iron grate available for extra heavy duty application, where the grates are secured to the body with a four point bolting. Front caps, outlet units, adapter cap for stepped fall, sealing profile and lifting-hook are also available.

Function: Used in commercial areas such as industrial spaces, logistic centers, airports, highways central lane, railway crossing, roundabouts, harbors, parking facilities, asphalt surfaces temporary highway crossing du to construction, 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. Extra heavy duty integral ductile iron frame and grate for maintenance units and outlet units allows for heavy duty, hard wheel traffic applications.

Channel:

FILCOTEN one NW150 / 6"



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