

**Trench drain body with integral cast iron rails - 39.40" (1000mm) length**

**Channel body FILCOTEN® pro – G 300 (12") – extra heavy duty series**

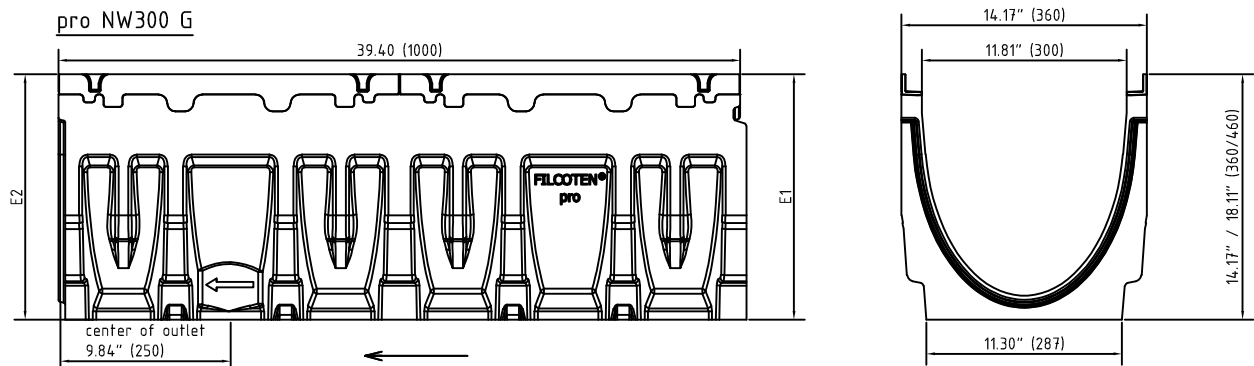
	Body part number		Slope	Overall body depth		Maximum flow rate			Weight (less grate)	
	cast iron rails I)	Channel type		E1 (Min.)	E2 (Max.)	GPM *)	LPS *)	CFS *)	Lbs	Kg
○	10630100	300/0	0 %	14.17" (360 mm)	14.17" (360 mm)	870.2	54.9	1.90	170.42	77.3
○	10630161	300/5-0	0 %	15.15" (385 mm)	15.15" (385 mm)	984.3	62.1	2.19	184.75	83.8
○	10630162	300/10-0	0 %	16.14" (410 mm)	16.14" (410 mm)	1103.2	69.6	2.50	199.08	90.3
○	10630164	300/20-0	0 %	18.11" (460 mm)	18.11" (460 mm)	1348.9	85.1	3.00	244.05	110.7
○	10630101	300/1	0.5 %	14.17" (360 mm)	14.37" (365 mm)				171.96	78.0
○	10630102	300/2	0.5 %	14.37" (365 mm)	14.57" (370 mm)				174.82	79.3
○	10630103	300/3	0.5 %	14.57" (370 mm)	14.76" (375 mm)				177.69	80.6
○	10630104	300/4	0.5 %	14.76" (375 mm)	14.96" (380 mm)				180.56	81.9
○	10630105	300/5	0.5 %	14.96" (380 mm)	15.15" (385 mm)				183.42	83.2
○	10630106	300/6	0.5 %	15.15" (385 mm)	15.35" (390 mm)				186.29	84.5
○	10630107	300/7	0.5 %	15.35" (390 mm)	15.55" (395 mm)				189.16	85.8
○	10630108	300/8	0.5 %	15.55" (395 mm)	15.75" (400 mm)				192.02	87.1
○	10630109	300/9	0.5 %	15.75" (400 mm)	15.94" (405 mm)				194.89	88.4
○	10630110	300/10	0.5 %	15.94" (405 mm)	16.14" (410 mm)				197.75	89.7

1) With cast-iron rail, tested up to cl. F 900 acc. to EN 1433. Installation according to the manufactures installation instructions.

\*) GPM = Gallons per minute, LPS = Liters per second, CFS = Cubic feet per second

**SPECIFICATION:** FILCOTEN pro-G NW300, 14.17" (360mm) wide, 39.40"(1000mm ) long, pre-sloped (0.5%) or neutral FILCOTEN trench drain system. Body is manufactured from a Filcoten High Performance Concrete (HPC) based material. Bodies have interlocking ends, a radiused extract for efficient liquid drainage and a multiple anchoring ribs to securely hold the body into the concrete foundation. Each body is manufactured with an integral 0.20" (5mm) thick, extra heavy duty, cast iron rails. End and bottom outlets are available in 8"(200mm ) no hub outlet connections. Grate options include extra heavy duty ductile iron (Load Class E ), slotted extra heavy duty ductile iron (Load Class F). Grates are secured to the body with a four point bolting system. End caps and catch basins are also available.

**FUNCTION:** Used in commercial areas such as factories, warehouses, parking garages, car dealerships, gas stations, public and residential areas, parks, sports complexes, town squares, railway stations and cycle and foot paths. 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 cast iron rail allows for extra heavy duty, comercial solid tire traffic patterns, hard wheel traffic applications.



**MATERIALS:** Channels shall be manufactured from FILCOTEN® HPC (High Performance Concrete). Minimum properties of FILCOTEN® HPC will be as follows:  
 Compressive strength according to ASTM C39: 11700 PSI  
 Flexural strength: 1700 PSI  
 Free of release agents: YES  
 Water absorption sufficient for adhesion with concrete surfaces: YES  
 Non flammable: YES

UV 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