

Heavy Duty Trench Drain Systems
Pre Cast Concrete Trench Drains
100, 200, 300

P: 646-227-0910

Fiber-Reinforced Trench Drains for All Applications



info@swift drain.com

A heavyweight when it comes to features.

Combines smart engineering and smart materials to provide a superior trench drain suitable for handling a high load capacity. Combining the features of a stable concrete channel with the strength, durability and environmental-friendliness of fiber-reinforced concrete, the ideal choice for a wide variety of sites and applications.

Applications. Because this line can handle a high load capacity, it is especially suitable for installation in industrial areas such as factories, garages and parking lots. With its sleek design it can easily be used in public places like railway stations, and pedestrian or residential areas.

Vertical outlet on every channel.

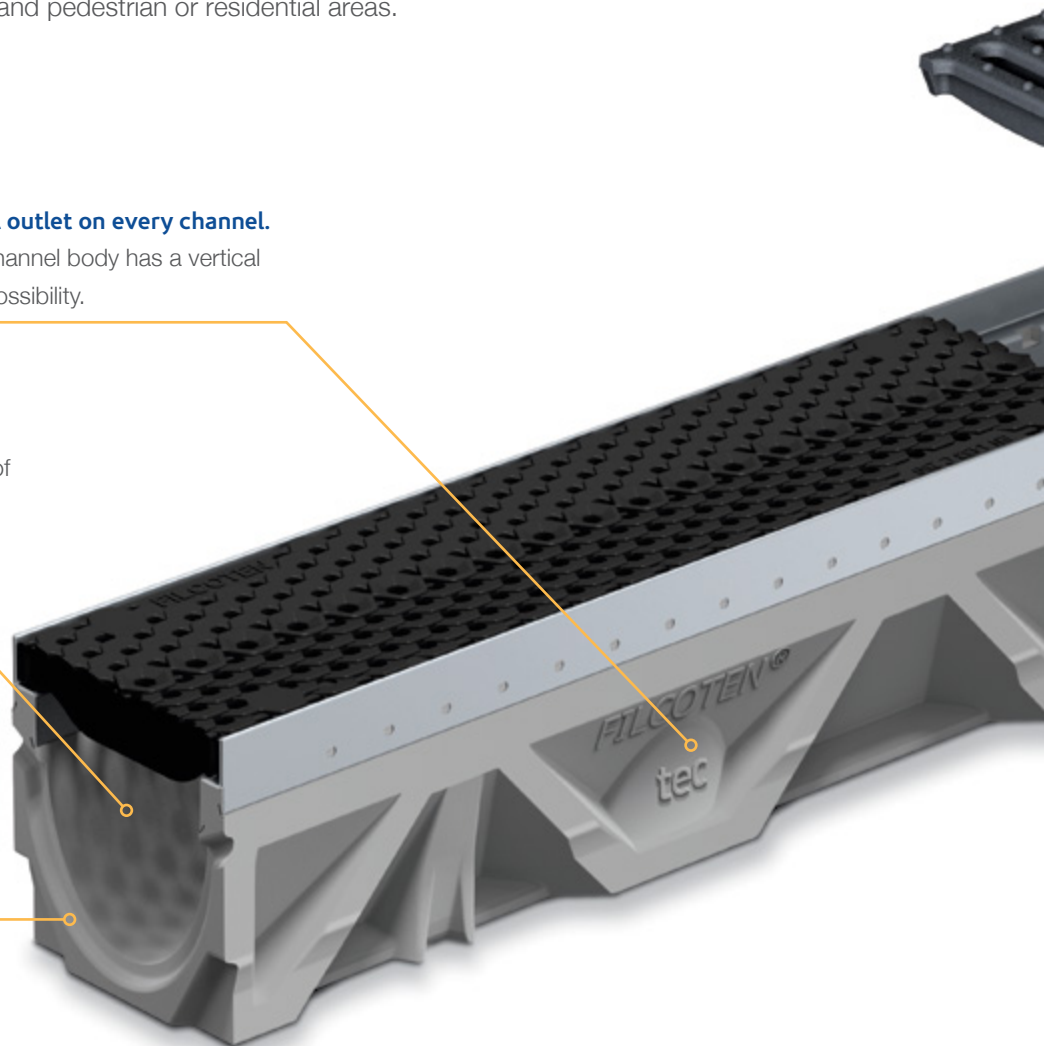
Every channel body has a vertical outlet possibility.

Engineered channel interior.

The particularly smooth inner surface of channels achieves the best possible flow characteristics and self-cleaning effect.

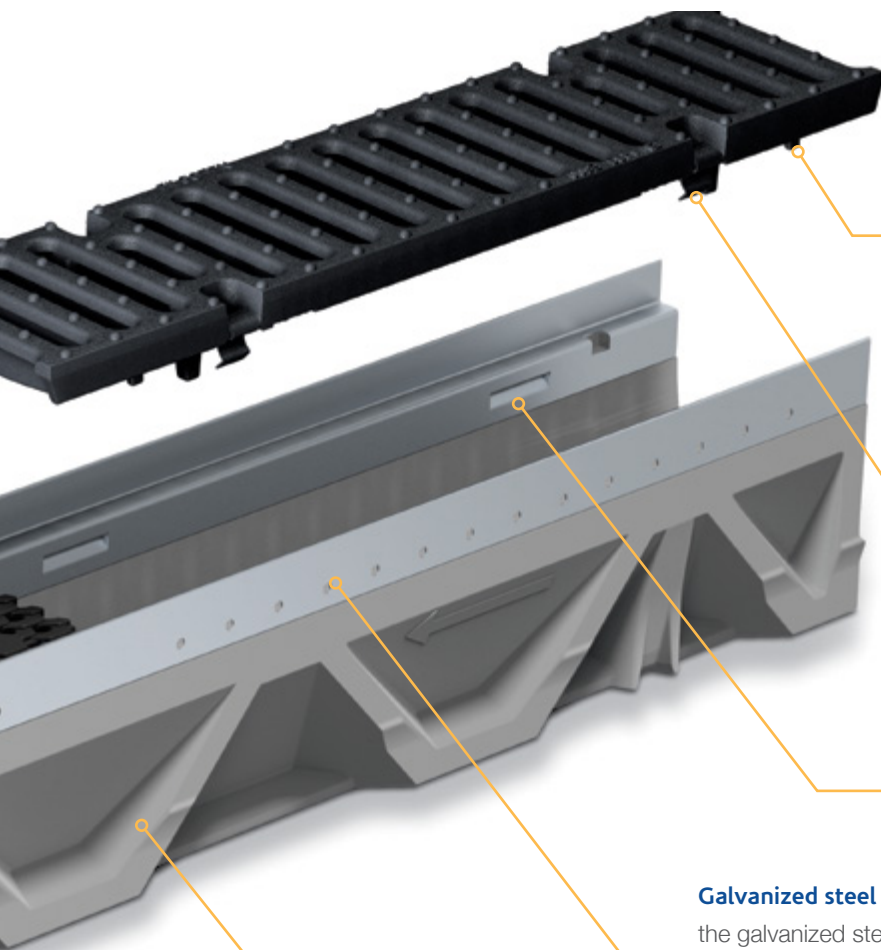
Sealant groove.

Sealant groove for waterproof installation.



Concrete Trench Drains

- **Temperature, frost and UV resistant.** Less contraction and expansion and longer product life.
- **Product impact stability.** Less susceptible to cracking and breaking during transport and installation.
- **100% recyclable / 0% harmful substances.** Sustainable solution without VOCs or heavy-metal residue that can leach into the ground. Qualifies for LEED credits.
- **Non-flammable.** Manufactured without resins, rated A1, non-combustible.
- **Monolithic adhesion.** Free from de-molding agents, bonds securely with the surrounding concrete.



Engineered for stability.

Four anti-sliding lugs secure the grate against any longitudinal shifting and provides additional safety.

Fast and secure fix-connection snap-on-anchoring system.

The intelligent fix-connection uses an amazingly simple four-point, quick-release, integral design to securely hold the grate in place.

Designed with security in mind. Anti-vandal locking devices are available to ensure grates are only removed by authorized personnel. Four locking devices per channel section are recommended.

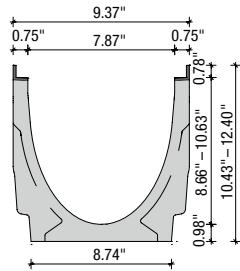
Galvanized steel rails. The special design of the galvanized steel rails allows for secure grate locking with the fix-connection self-locking system.

Engineered channel exterior. The anchoring ribs have been specially designed to support the channel and increase the exposed surface area, providing far better adhesion to the surrounding concrete.

8" wide 200



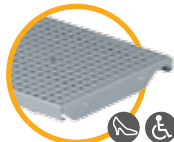
FILCOTEN Pro 200
Galvanized Steel



200 Trench Drain

8"/200mm wide channel body with galvanized rail, pre-sloped and neutral sections

Item No.	Product Name	Slope	Length (in.)	Height at Channel End (in.)	Weight (lb.)
10620200	200 Channel 0 with Galvanized Rail - Neutral	0%	39.37	10.43	97.00
10620201	200 Channel 1 with Galvanized Rail	0.5%	39.37	10.43-10.63	98.11
10620202	200 Channel 2 with Galvanized Rail	0.5%	39.37	10.63-10.83	100.31
10620203	200 Channel 3 with Galvanized Rail	0.5%	39.37	10.83-11.02	102.51
10620204	200 Channel 4 with Galvanized Rail	0.5%	39.37	11.02-11.22	104.72
10620205	200 Channel 5 with Galvanized Rail	0.5%	39.37	11.22-11.42	106.92
10620261	200 Channel 5-0 with Galvanized Rail - Neutral	0%	39.37	11.42	108.30
10620206	200 Channel 6 with Galvanized Rail	0.5%	39.37	11.42-11.61	109.13
10620207	200 Channel 7 with Galvanized Rail	0.5%	39.37	11.61-11.81	111.33
10620208	200 Channel 8 with Galvanized Rail	0.5%	39.37	11.81-12.01	113.54
10620209	200 Channel 9 with Galvanized Rail	0.5%	39.37	12.01-12.20	115.74
10620210	200 Channel 10 with Galvanized Rail	0.5%	39.37	12.20-12.40	117.95
10620262	200 Channel 10-0 with Galvanized Rail - Neutral	0%	39.37	12.40	118.83
10620264	200 Channel 20-0 with Galvanized Rail - Neutral	0%	39.37	14.37	138.23



17020228 & 17020229



17020104



17020105

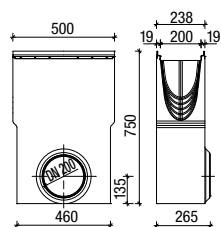
200 Grates with fix-connection self-locking system

Item No.	Product Name	Dimensions L / W / H (in.) / (mm)	Load class per EN1433	Max. Design Load (lb.)	Slot/mesh width	Weight (lb.)	Weight (kg.)	Intake Area (in. ² /ft.)	Intake Area (cm ² /m)	Flow Rate Through Grate* (GPM)
17020228	200 Galvanized Steel Perforated Grate Class C -1m	39.37"/8.74"/0.78" 1000/222/20	Class C	56,200	1/4" hole	29.76	13.5	8.03	170	80.702
17020229	200 Galvanized Steel Perforated Grate Class C -1/2m	19.69"/8.74"/0.78" 500/222/20	Class C	56,200	1/4" hole	14.77	6.7	8.03	170	80.702
17020104	200 Ductile Iron Longitudinal Bar Grate Class D -1/2m	19.69"/8.74"/0.78" 500/222/20	Class D	89,920	1.14 x 0.51	7.5	3.6	44.41	940	446.24
17020105	200 Ductile Iron Slotted Grate Class E -1/2m	19.69"/8.74"/0.78" 500/222/20	Class E	134,800	7.87"x 0.55" (200 x 14mm)	18.96	8.6	45.59	965	458.108

*Calculated using simple orifice equation with 1/2 inch head



FILCOTEN® Pro Sump Unit 200



200 Accessories

Item No.	Product Name	Material	Weight (lb.)
10620290	200 Sump with Galvanized Rail	High-Performance Fiber-Reinforced Concrete	105.82
22512	200 Silt Bucket	Plastic	1.54
32089	200 Anti-Vandalism Locking Device	Galvanized Steel	0.22
19020216	200 End Cap with 8" Outlet	Galvanized Steel	1.10
19020295	200 Step Connector Plate	Galvanized Steel	0.44
19021208	B let 8" - 12"	Galvanized Steel	2.20
70154	Catch Basin to 8" Pipe Connector	Plastic	2.40
19020230	Front / End Cap, No Outlet	Galvanized Steel	1.68

NOTE: Will accept 8" pipe

Resources:

Load Ratings according to EN1433 Standards:



CLASS A

- Max Design Load: 3,372 lbs.
- Pedestrians
- Bicyclists
- Planted areas



CLASS B

- Max Design Load: 28,100 lbs.
- Pedestrians
- Parking lots
- Delivery vehicles



CLASS C

- Max Design Load: 56,200 lbs.
- Curbs
- Road shoulders
- Parking lots



CLASS D

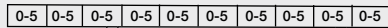
- Max Design Load: 89,920 lbs.
- Roadways
- Pedestrian zones
- Parking lots



CLASS E

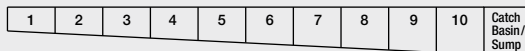
- Max Design Load: 134,800 lbs.
- Industry
- Military
- High wheel loads

Neutral run

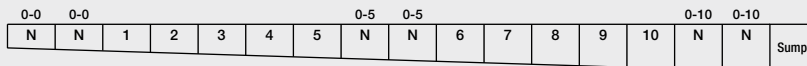
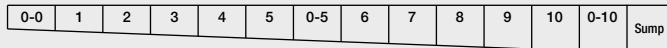


*Any neutral channel can be used in this application.

Linear run without neutrals



Linear run with neutrals



Step Slope



Counter-directional



Note: Drawings are not to scale. See previous pages for actual product dimensions.