



FILCOTEN[®] BY



NDS[®]

We put water in its place

Fiber-Reinforced Trench Drains for All Applications



A heavyweight when it comes to features.

FILCOTEN® by NDS® 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, FILCOTEN® by NDS® is the ideal choice for a wide variety of sites and applications.

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

Engineered channel interior.

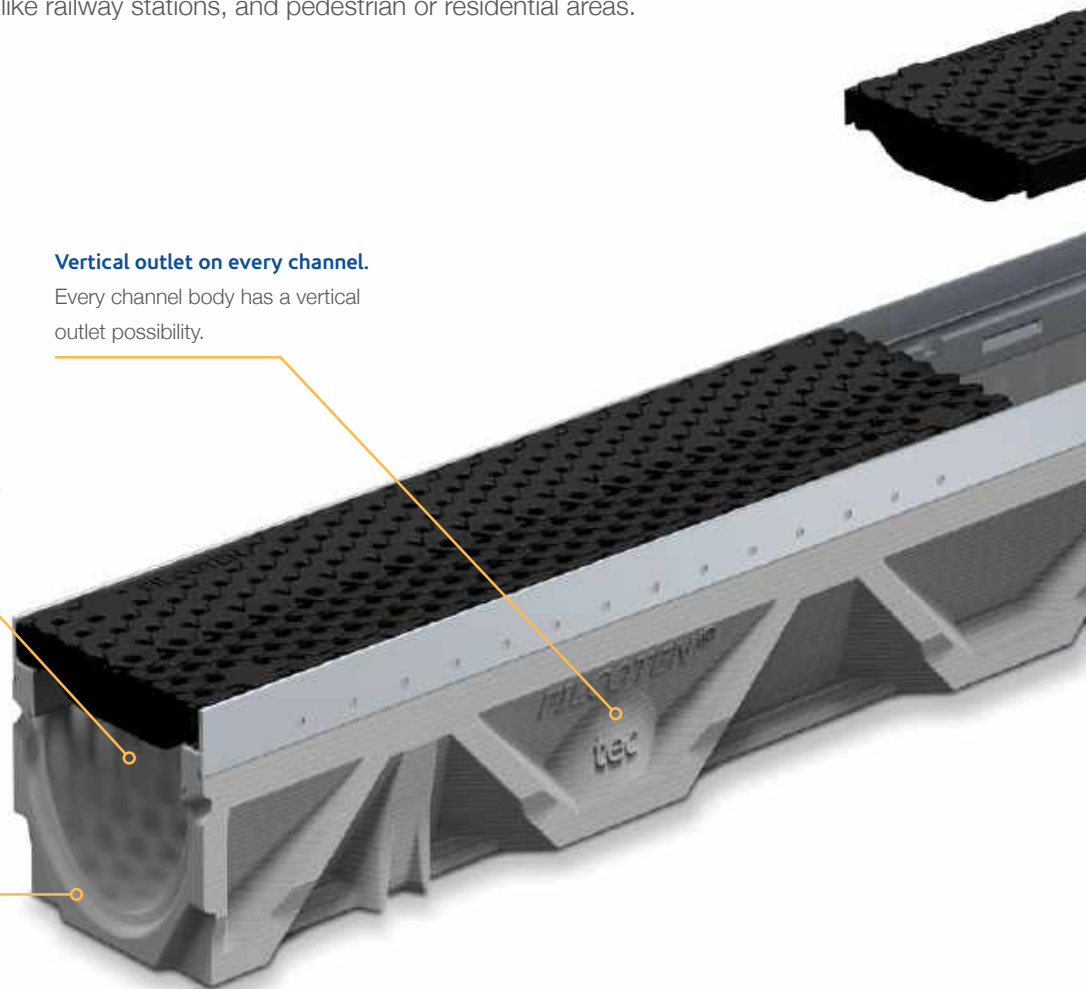
The particularly flat inner surface of FILCOTEN® by NDS® channels achieves the best possible flow characteristics and self-cleaning effect.

Sealant groove.

Sealant groove for waterproof installation.

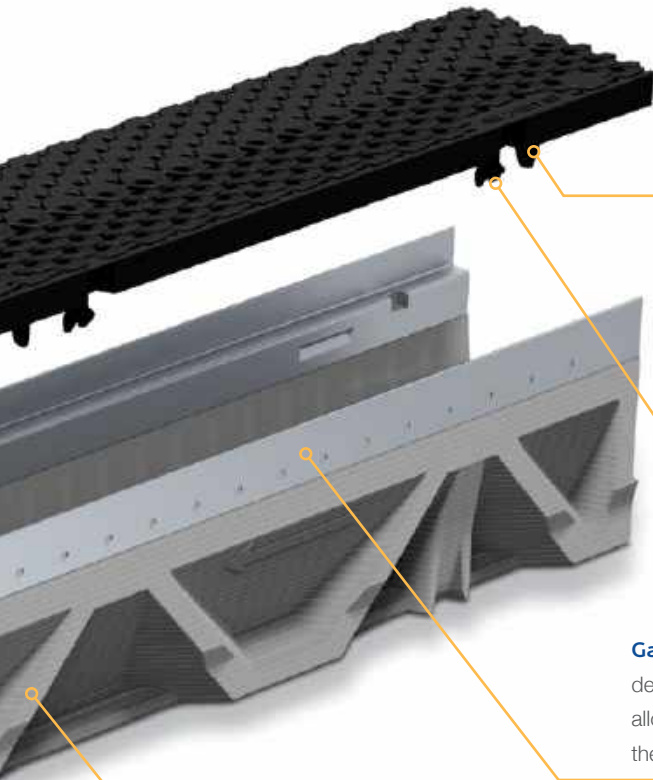
Vertical outlet on every channel.

Every channel body has a vertical outlet possibility.



FILCOTEN® Trench Drain

- **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, FILCOTEN® is rated A1, non-combustible.



Engineered for stability. Two 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.

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.



CLASS A 15

- Pedestrians
- Bicyclists
- Planted areas



CLASS B 125

- Pedestrians
- Parking lots
- Delivery vehicles



CLASS C 250

- Curbs
- Road shoulders
- Parking lots



CLASS D 400

- Roadways
- Pedestrian zones
- Parking lots

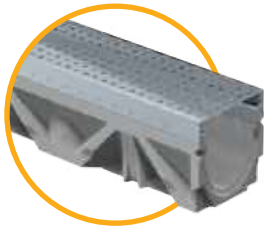


CLASS E 600

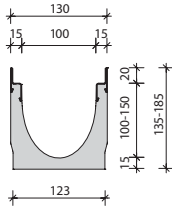
- Industry
- Military
- High wheel loads



FILCOTEN® Tec 100



FILCOTEN Tec 100



FILCOTEN® Tec V 100 Channel Body

Item No.	Product Name	Slope	Height at Channel End (in.)	Weight (lb.)
10410200	FILCOTEN Tec V 100 Channel 0 with Galvanized Rail - Neutral	0%	5.31	28.88
10410201	FILCOTEN Tec V 100 Channel 1 with Galvanized Rail	0.5%	5.31-5.51	29.32
10410202	FILCOTEN Tec V 100 Channel 2 with Galvanized Rail	0.5%	5.51-5.71	30.20
10410203	FILCOTEN Tec V 100 Channel 3 with Galvanized Rail	0.5%	5.71-5.91	30.86
10410204	FILCOTEN Tec V 100 Channel 4 with Galvanized Rail	0.5%	5.91-6.10	31.75
10410205	FILCOTEN Tec V 100 Channel 5 with Galvanized Rail	0.5%	6.10-6.30	32.63
10410261	FILCOTEN Tec V 100 Channel 5-0 with Galvanized Rail - Neutral	0%	6.30	33.07
10410206	FILCOTEN Tec V 100 Channel 6 with Galvanized Rail	0.5%	6.30-6.50	33.51
10410207	FILCOTEN Tec V 100 Channel 7 with Galvanized Rail	0.5%	6.50-6.69	34.39
10410208	FILCOTEN Tec V 100 Channel 8 with Galvanized Rail	0.5%	6.69-6.89	35.05
10410209	FILCOTEN Tec V 100 Channel 9 with Galvanized Rail	0.5%	6.89-7.09	35.94
10410210	FILCOTEN Tec V 100 Channel 10 with Galvanized Rail	0.5%	7.09-7.28	36.82
10410262	FILCOTEN Tec V 100 Channel 10-0 with Galvanized Rail - Neutral	0%	7.28	37.26

FILCOTEN® by NDS® slot top. When the design is as important as the function, FILCOTEN® slot top grates are the first choice. This is suitable for architecturally demanding surfaces, and with a slot width of 0.5" or 0.75" it can be perfectly fitted into the alignment of slots on the surface.

- The maintenance units are integrated into the channel thread. This does not damage the optics of the thread profile
- The recessed cover of the maintenance unit can quickly and easily be removed for cleaning purposes using a lifting grip

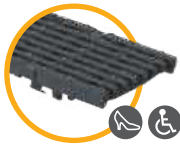


FILCOTEN 100 Galvanized Steel Asymmetrical Slot Top Grate

FILCOTEN® Tec V 100 Slot Top Grates

Item No.	Product Name	Material	Dimensions (in.)	Load class as per EN standard	Slot/mesh width (in.)	Weight (lb.)	Inlet cross-section (in. ² /in.)
17110243	FILCOTEN 100 Galvanized Steel Asymmetrical Slot Top Grate Class C - 39.37 in.	Galvanized Steel	39.37/4.84/5.24	C 250 kN	SW 12.5	11.90	19.375
17110244	FILCOTEN 100 Galvanized Steel Asymmetrical Slot Top Grate Class C - 19.69 in.	Galvanized Steel	19.69/4.84/5.24	C 250 kN	SW 12.5	5.95	19.375
17110281	FILCOTEN 100 Galvanized Steel Maintenance Unit for Slot Top Grate Class C	Galvanized Steel	19.69/4.84/5.20	C 250 kN	SW 12.5	11.02	19.375

FILCOTEN® Tec 100



FILCOTEN 100 Ductile Iron Bar Grate Class C



FILCOTEN 100 Ductile Iron Slotted Grate Class E



FILCOTEN Tec Galvanized Steel 100 Reinforced Slotted Grate



FILCOTEN Tec Galvanized Steel 100 Heelproof Perforated Grate



FILCOTEN 100 Galvanized Steel Mesh Grate Class B



FILCOTEN 100 Composite Honeycomb Grate

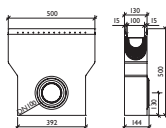
FILCOTEN® Tec V 100 Grates with fix-connection self-locking system

Item No.	Product Name	Material	Dimensions (in.)	Load class as per EN standard	Slot/mesh width (in.)	Weight (lb.)	Inlet cross-section (in. ² /in.)
17010101	FILCOTEN 100 Ductile Iron Bar Grate Class C	Ductile Iron	19.69/4.8/.79	C 250 kN	MW 29/13	7.05	78.275
17010104	FILCOTEN 100 Ductile Iron Bar Grate Class D	Ductile Iron	19.69/4.8/.79	D 400 kN	MW 29/13	7.50	76.725
17010105	FILCOTEN 100 Ductile Iron Slotted Grate Class E	Ductile Iron	19.69/4.8/.79	E 600 kN	SW 14/100	8.38	72.075
17010106	FILCOTEN 100 Ductile Iron Heelproof Grate Class C	Ductile Iron	19.69/4.8/.79	C 250 kN	MW 29/6	7.94	49.6
17010110	FILCOTEN 100 Ductile Iron Reinforced Bar Grate Class D	Ductile Iron	19.69/4.8/.79	D 400 kN	MW 28/9	7.50	72.85
17010202	FILCOTEN 100 Galvanized Steel Slotted Grate Class A - 39.37 in.	Galvanized Steel	39.37/4.8/.79	A 15 kN	MW .31 wide x 3.15 slots	3.31	34.875
17010203	FILCOTEN 100 Galvanized Steel Slotted Grate Class A - 19.69 in.	Galvanized Steel	19.69/4.8/.79	A 15 kN	MW .31 wide x 3.15 slots	1.76	34.875
17010204	FILCOTEN 100 Galvanized Steel Perforated Grate Class A - 39.37 in.	Galvanized Steel	39.37/4.8/.79	A 15 kN	1/4" hole	4.19	26.35
17010205	FILCOTEN 100 Galvanized Steel Perforated Grate Class A - 19.69 in.	Galvanized Steel	19.69/4.8/.79	A 15 kN	1/4" hole	2.20	26.35
17010206	FILCOTEN 100 Galvanized Steel Slotted Grate Class C - 39.37 in.	Galvanized Steel	39.37/4.8/.79	C 250 kN	SW 8/80	9.92	34.875
17010207	FILCOTEN 100 Galvanized Steel Slotted Grate Class C - 19.69 in.	Galvanized Steel	19.69/4.8/.79	C 250 kN	SW 8/80	4.85	42.625
17010220	FILCOTEN 100 Galvanized Steel Mesh Grate Class B - 39.37 in.	Galvanized Steel	39.37/4.8/.79	B 125 kN	MW 30/10	6.17	151.9
17010221	FILCOTEN 100 Galvanized Steel Mesh Grate Class B - 19.69 in.	Galvanized Steel	19.69/4.8/.79	B 125 kN	MW 30/10	3.09	147.25
17010228	FILCOTEN 100 Galvanized Steel Perforated Grate Class C - 39.37 in.	Galvanized Steel	39.37/4.8/.79	C 250 kN	1/4" hole	7.28	26.35
17010229	FILCOTEN 100 Galvanized Steel Perforated Grate Class C - 19.69 in.	Galvanized Steel	19.69/4.8/.79	C 250 kN	1/4" hole	3.75	26.35
17010402	FILCOTEN 100 Composite Honeycomb Grate Class C	Polyamide	19.69/4.8/.79	C 250 kN	2/7" hole	2.43	44.95

FILCOTEN® Tec V 100 Accessories



FILCOTEN Tec Sump Unit 100



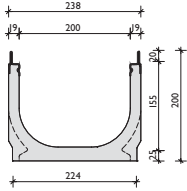
Item No.	Product Name	Material	Weight (lb.)
10410291	FILCOTEN Tec 100 Sump	High-Performance Fiber-Reinforced Concrete	52.91
22515	FILCOTEN 100 Silt Bucket	Plastic	0.44
19010231	FILCOTEN 100 Front End Cap with Outlet	Galvanized Steel	0.66
32087	FILCOTEN 100 Anti-Vandalism Locking Device	Galvanized Steel	0.22
19010202	FILCOTEN 100 Closed Front End Cap	Galvanized Steel	0.44
19010204	FILCOTEN 100 End Cap with 4 in. Outlet	Galvanized Steel	0.66
19010915	FILCOTEN 100 Rebar Support	Fabricated Steel	2.65
19011204	FILCOTEN 100 Bottom Outlet	Galvanized Steel	0.66

NOTE: Will accept 4" pipe

FILCOTEN® Pro 200



FILCOTEN Pro 200
Galvanized Steel



FILCOTEN® Pro V 200 Channel Body

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



FILCOTEN 200 Ductile Iron
Longitudinal Bar Grate



FILCOTEN 200 Ductile Iron
Slotted Grate



FILCOTEN 200 Galvanized Steel
Perforated Grate

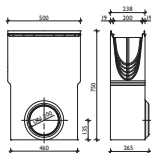
FILCOTEN® Pro 200 Grates with fix-connection self-locking system

Item No.	Product Name	Material	Dimensions (in.)	Load class as per EN standard	Slot/mesh width (in.)	Weight (lb.)	Inlet cross-section (in. ² /in.)
17020104	FILCOTEN 200 Ductile Iron Longitudinal Bar Grate Class D	Ductile Iron	19.69/8.74/.79	D 400 kN	1.14 x 5.1	16.53	145.7
17020105	FILCOTEN 200 Ductile Iron Slotted Grate Class E	Ductile Iron	19.69/8.74/.79	E 600 kN	.55 x 7.87	18.96	149.58
17020228	FILCOTEN 200 Galvanized Steel Perforated Grate Class C	Galvanized Steel	19.69/8.74/.79	C 250 kN	1/4" hole	33.51	26.35
17020229	FILCOTEN 200 Galvanized Steel Perforated Grate Class C	Galvanized Steel	19.69/4.8/.79	C 250 kN	1/4" hole	14.77	26.35

FILCOTEN® Pro 200 Accessories



FILCOTEN® Pro Sump Unit 200



Item No.	Product Name	Material	Weight (lb.)
10620290	FILCOTEN Pro V 200 Sump with Galvanized Rail	High-Performance Fiber-Reinforced Concrete	105.82
22512	FILCOTEN 200 Silt Bucket	Plastic	1.54
32089	FILCOTEN 200 Anti-Vandalism Locking Device	Galvanized Steel	0.22
19020213	FILCOTEN 200 Closed Front End Cap	Galvanized Steel	0.88
19020216	FILCOTEN 200 Bottom Outlet	Galvanized Steel	1.10
19020230	FILCOTEN 200 Closed Front End Cap	Galvanized Steel	0.88
19020295	FILCOTEN 200 Step Connector Plate	Galvanized Steel	0.44
19021208	FILCOTEN Bottom Outlet 8" - 12"	Galvanized Steel	2.20

NOTE: Will accept 8" pipe

FILCOTEN® Pro 300



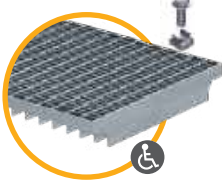
FILCOTEN Pro G 300
Galvanized Steel

FILCOTEN® Pro G 300 Channel Body

Item No.	Product Name	Material	Slope	Height at Channel End (in.)	Weight (lb.)
10630200	FILCOTEN Pro V 300 Channel 0 with Galvanized Rail - Neutral	High-Performance Fiber- Reinforced Concrete	0%	14.17	170.42
10630262	FILCOTEN Pro V 300 Channel 10-0 with Galvanized Rail - Neutral	High-Performance Fiber- Reinforced Concrete	0%	16.14	199.08
10630264	FILCOTEN Pro V 300 Channel 20-0 with Galvanized Rail - Neutral	High-Performance Fiber- Reinforced Concrete	0%	18.11	244.05



FILCOTEN 300 Ductile Iron
Boltmax Grate Class E



FILCOTEN 300 Galvanized Steel
Mesh Grate Class C

FILCOTEN® Pro 300 Grates with fix-connection self-locking system & additional 4-point bolting

Item No.	Product Name	Material	Dimensions (in.)	Load class as per EN standard	Slot/mesh width (in.)	Weight (lb.)	Inlet cross-section (in. ² /in.)
17030103	FILCOTEN 300 Ductile Iron Boltmax Grate Class E	Ductile Iron	19.69/13.66/.98	E 600 kN	1.14 x 5.1	39.46	227.075
17030222	FILCOTEN 300 Galvanized Steel Mesh Grate Class C - 39.37 in.	Galvanized Steel	39.37/13.66/.98	C 250 kN	MW 30/10	50.93	360.375
17030223	FILCOTEN 300 Galvanized Steel Mesh Grate Class C - 19.96 in.	Galvanized Steel	19.69/13.66/.98	C 250 kN	MW 30/10	0.22	360.375

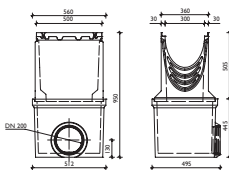
FILCOTEN® Pro 300 Accessories



FILCOTEN Pro 300
Sump Kit with Silt Bucket

Item No.	Product Name	Material	Weight (lb.)
22213	FILCOTEN Pro 300 Sump Kit with Silt Bucket	Galvanized Steel	7.05
19030213	FILCOTEN 300 Closed End Cap	Galvanized Steel	3.75
19030214	FILCOTEN 300 End Cap with Outlet	Galvanized Steel	3.53
32110	FILCOTEN 300 Locking Device Accessories	Galvanized Steel	0.08
70154	FILCOTEN 300 Catch Basin to Pipe Connector	Galvanized Steel	2.43
19060020	FILCOTEN Pro V 300 Catch Basin Extension Unit	High-Performance Fiber-Reinforced Concrete	93.70
19030290	FILCOTEN 300 End Cap with Connection Cutouts	Galvanized Steel	0.66
19030295	FILCOTEN 300 Step Connector Plate	Galvanized Steel	0.88
10630290	FILCOTEN Pro V 300 Catch Basin with Galvanized Rail	High-Performance Fiber- Reinforced Concrete	273.37

NOTE: Will accept 8" pipe



From NDS®

The Leader in Stormwater Management

NDS has an over 40-year history manufacturing quality stormwater management products for residential and commercial markets. We are dedicated to manufacturing products that feature superior performance, durability, are easy to install and widely available. Our dedication to innovation have made us a trusted and knowledgeable partner in water management. We provide all our customers with exceptional service and support and are committed to providing effective and efficient solutions to meet their water management needs.

Sustainable Stormwater Management

Residential Stormwater Management

Professional Irrigation

Flow Management

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