

CLARK-DRAIN



THE DRAINAGE COMPANY

Technodrain

Technologies for linear drainage



MAIN CHARACTERISTICS

Screw thread mountings

Mountings for the threading of screws closed by the appropriate diaphragm, to be opened only if necessary to avoid water infiltration external to the channel.

External reinforcing structure

The special external reinforcement structure guarantees the solidity and durability of the channel, and enhances the concrete support.

Drains up to Ø 250

All Technodrain units are equipped with lateral and vertical drains up to Ø 250 (Magnum). It just takes a few minutes to hook up the drains to the run off pipes.

Tongue and groove joint

Allows for the installation of channels with a ready-mounted grating, saving time on site and providing accurate connections.

Housing for channel anchorage (Magnum, 200HV)

Some Technodrain models, have housing for the insertion of bars/accessories on the main channel, in order to increase the anchorage of the concrete support.

Drainage System Technodrain

All solutions are designed to supply the end customer with an innovative product that is easy to install. The HDPE (High-density polyethylene) with which it is manufactured renders it light and immune to climatic and chemical attack, guaranteeing the solidity and durability of its structure. The Technodrain system is manufactured in accordance with the Standard EN1433 for drainage channels.

Sump unit

Complementary to this system is the Technodrain sump, composed of a body and a dismountable siphon system.

The sump can be integrated perfectly with the drainage line.

- A. Sump
- B. Siphon cover
- C. Filter
- D. Grating



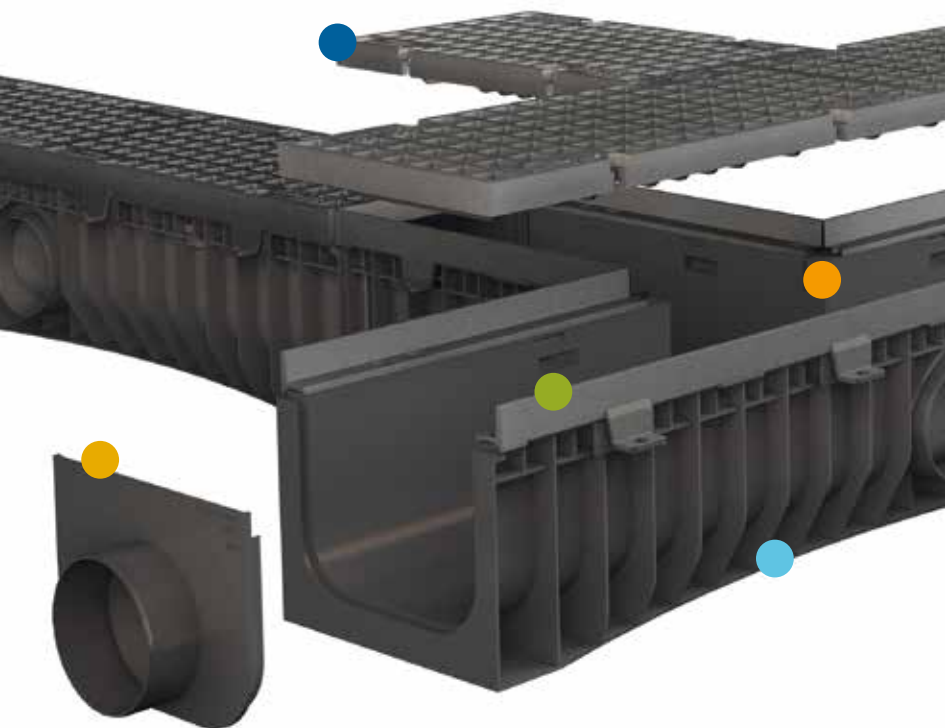
ADVANTAGES OF THE SYSTEM

● GRATINGS

The Technodrain system is composed of a range of gratings for all load classes (A15-F900), in accordance with European Standard EN1433. The available materials are: HDPE, galvanised steel, stainless steel and ductile iron. All the gratings are designed to obtain the maximum drainage efficiency for traffic, passing pedestrians and cyclists. The Technodrain system is supplied with ready mounted gratings.

● END CAPS

The channel end caps are used to close the line of drainage or to install a discharge into the line.



● EDGES

Technodrain units support reinforcing edges in galvanised/stainless steel and ductile iron. Equipped with side anchors to enhance the anchorage of the concrete.

● RUN-OFF SURFACES

The internal surfaces of the channel, thanks to geometry and the HDPE with which it is made, guarantees resistance and durability to a large range of chemical substances and hygiene products used to counter mould and micro-organisms. It has a high run-off coefficient. The internal surface of the Technodrain unit does not hinder the flow of water and minimises inert deposits.

● SYSTEM FLEXIBILITY

Integrated channel 'T' junction can be used to adapt the line of drainage on the outline studied by the designer:

Design service is available on request.

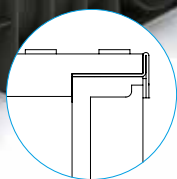
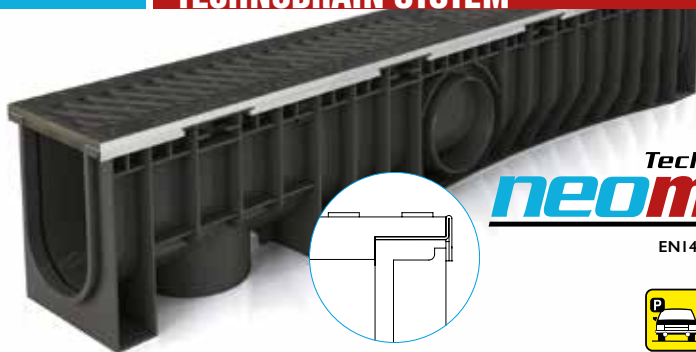
● SUMP UNIT

The Technodrain sump is an important component of the system. It can be installed as a terminal unit of the line or as a central element of two converging lines. The sump is equipped with an anti-odour siphon that can be removed easily for cleaning purposes and a grating to filter leaves and detritus.

Use of the sump allows you to increase the out-flow diameter of all channels up to Ø 200.

Recommendations for the installation of the Technodrain system are available at www.clark-drain.com

TECHNODRAIN SYSTEM



Technodrain
neomax

EN1433 - Loading class
SUITABLE FOR



B 125

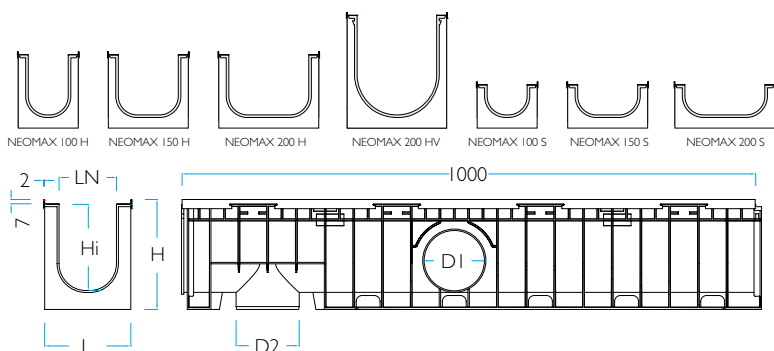


C 250

The **Technodrain Neomax** system is composed of:

- Channel body in HDPE with a galvanised steel edge, 2 mm thick
- Height of edge 7 mm.
- Can only be used with ductile iron gratings of the Neo range
- Ideal for multi-storey car parks and garage entrances

Channels size



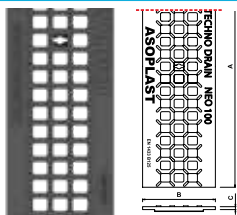
TYPE	L	H	LN	H _i	D ₁	D ₂
NEO MAX 100H	150	191	100	150	2xø110	1xø110
NEO MAX 150H	200	191	150	150	2xø110	1xø110 - 1xø160
NEO MAX 200H	250	191	200	150	2xø110	1xø110 - 1xø160
NEO MAX 200HV	250	291	200	250	2xø160 - 2xø200	1xø160 - 1xø200
NEO MAX 100S	150	116	100	75	2xø63	1xø110
NEO MAX 150S	200	116	150	75	2xø63	1xø110 - 1xø160
NEO MAX 200S	250	116	200	75	2xø63	1xø110 - 1xø160

All sizes are in mm



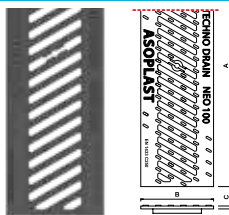
Gratings and covers

B 125



Ductile iron mesh grate

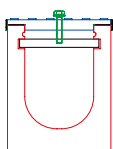
C 250*



Ductile iron grate (10mm slot)

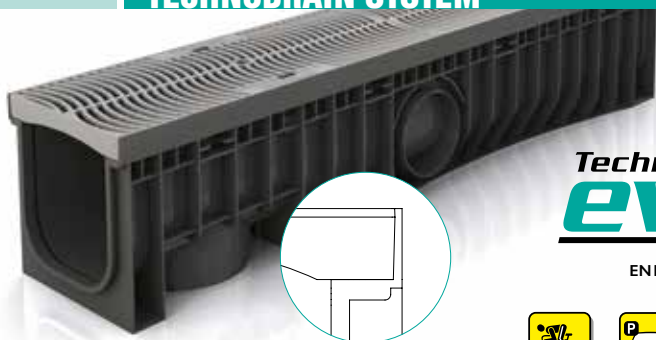
* Also available with 6mm slot for the model NEOMAX 100H and NEOMAX 100S

Lock system between NEOMAX channels and gratings



Fastening by bar and screws for all gratings, two bars are needed per channel and one bar for the sump.

TECHNODRAIN SYSTEM



Technodrain
evo

EN1433 - Loading class
SUITABLE FOR



A 15



B 125

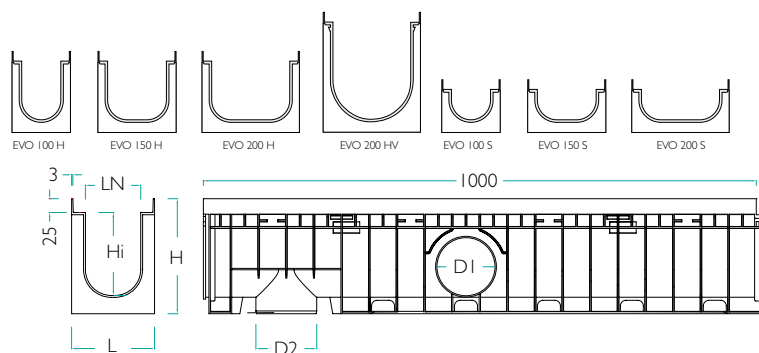


C 250

The **Technodrain Evo** system is composed of:

- Channel body in HDPE including containing edge of 3 mm thickness.
- Height of edge, 25 mm.
- Can be used with HDPE gratings
- Extremely versatile, it is ideal for DIY, parking areas, parks and gardens, swimming pools and sporting installations.
- Various systems for fastening gratings

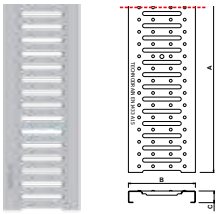
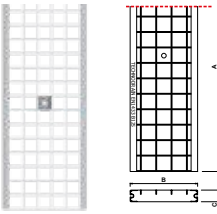
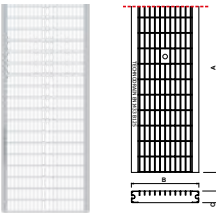
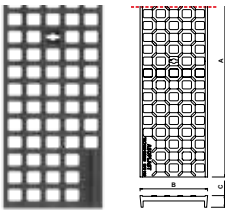
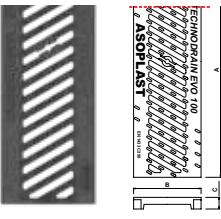
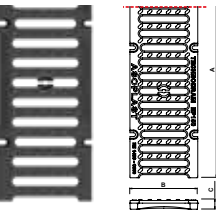
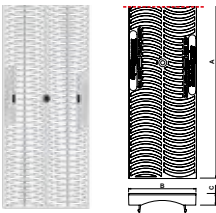
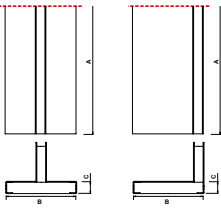
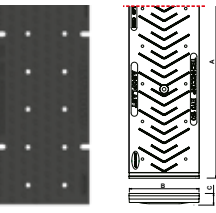
Channels size



TYPE	L	H	LN	H _i	D ₁	D ₂
EVO 100H	150	208	100	150	2xø110	1xø110
EVO 150H	200	208	150	150	2xø110	1xø110 - 1xø160
EVO 200H	250	208	200	150	2xø110	1xø110 - 1xø160
EVO 200HV	250	308	200	250	2xø160 - 2xø200	1xø160 - 1xø200
EVO 100S	150	133	100	75	2xø63	1xø110
EVO 150S	200	133	150	75	2xø63	1xø110 - 1xø160
EVO 200S	250	133	200	75	2xø63	1xø110 - 1xø160

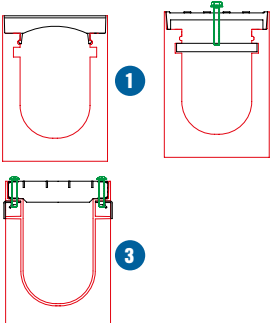
All sizes are in mm

Gratings and covers

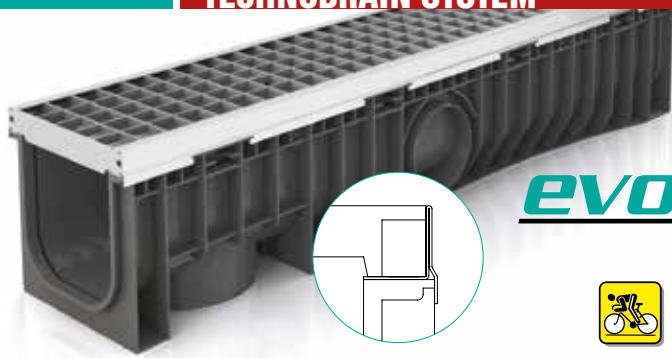
A 15  Slotted grating galvanised/stainless steel	B 125 / C 250  Mesh 30x30 grating galvanised/stainless steel	B 125 / C 250  Mesh 30x10 grating galvanised/stainless steel
B 125  Ductile iron mesh grating	C 250*  Ductile iron grating (10mm slot)	C 250  Ductile iron grating (18mm slot)
 Grating HDPE	C 250  Galvanised steel slot drain	C 250  Ductile iron cover for composting system

* Also available with 6mm slot for the model EVO100H and EVO100S

Lock system between EVO channels and gratings

- 
1. Fastening with an elastic element incorporated into the grating, only for HDPE gratings
 2. Fastening by bar and screws, HDPE, slotted, B125 mesh gratings, B125/C250 ductile iron. 2 bars for channel, 1 bar for sump.
 3. Fastening by angle tool and screws: C250 mesh gratings (N. 4 for channel or sump) Ductile iron grating slot 18 mm (8 for channel, 4 for sump)

TECHNODRAIN SYSTEM



Technodrain
evomax

EN1433 - Loading class
SUITABLE FOR



A 15



B 125

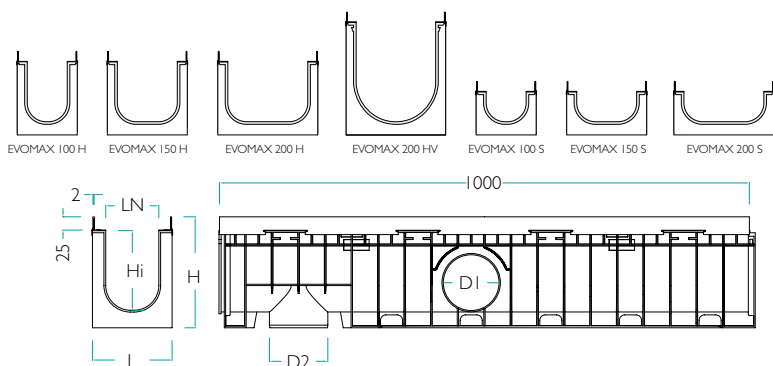


C 250

The **Technodrain Evomax** system is composed of:

- Channel body in HDPE with a stainless/galvanised steel edge, 2 mm depth
- Height of edge 25 mm.
- Can be used with Evo gratings up to the class C250, can support D400 gratings with the reinforced edge of 4 mm.
- Ideal for parking areas and brick pavements.

Channels size

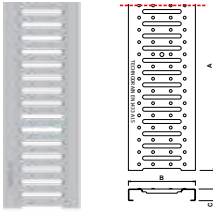


TYPE	L	H	LN	H _i	D ₁	D ₂
EVO MAX 100H	150	209	100	150	2xø110	1xø110
EVO MAX 150H	200	209	150	150	2xø110	1xø110 - 1xø160
EVO MAX 200H	250	209	200	150	2xø110	1xø110 - 1xø160
EVO MAX 200HV	250	309	200	250	2xø160 - 2xø200	1xø160 - 1xø200
EVO MAX 100S	150	134	100	75	2xø63	1xø110
EVO MAX 150S	200	134	150	75	2xø63	1xø110 - 1xø160
EVO MAX 200S	250	134	200	75	2xø63	1xø110 - 1xø160

All sizes are in mm

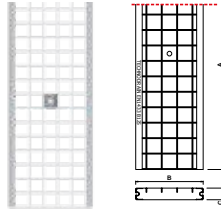
Gratings and covers

A 15



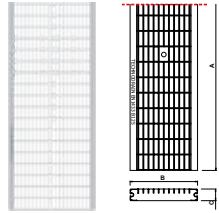
Slotted grating
galvanised/stainless steel

B 125 / C 250



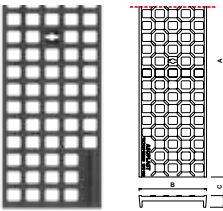
Mesh 30x30 grating
galvanised/stainless steel

B 125 / C 250



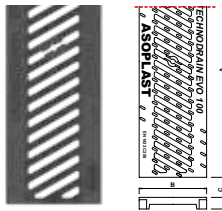
Mesh 30x10 grating
galvanised/stainless steel

B 125



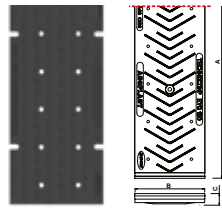
Ductile iron mesh grating

C 250*



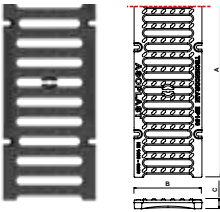
Ductile iron grating (10mm slot)

C 250



Ductile iron cover for
composting system

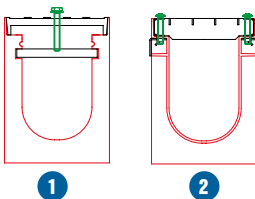
C 250



Ductile iron grating (18mm slot)

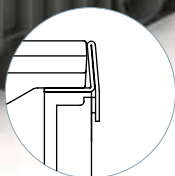
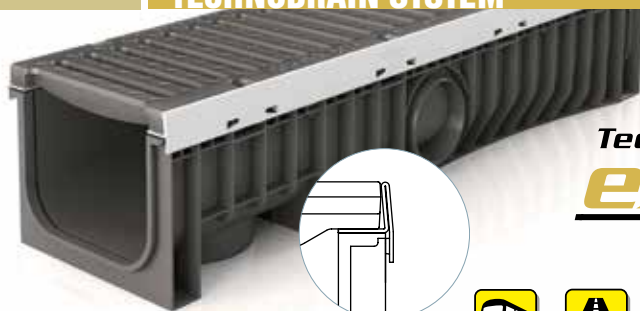
* Also available with 6mm slot for the model EVO100 H and EVO100 S

Lock system between EVOMAX channels and gratings



1. Fastening by bar and screws, HDPE, slotted, B125 mesh gratings, B125/C250 ductile iron. 2 bars for channel, 1 bar for sump.
2. Fastening by angle tool and screws: C250 mesh gratings (N. 4 for channel or sump)

TECHNODRAIN SYSTEM



Technodrain
exel

EN1433 - Loading class
SUITABLE FOR



C 250



D 400



E 600

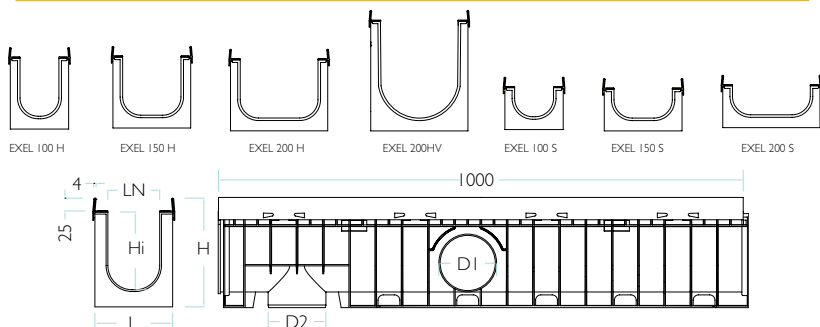


F 900

The **Technodrain Exel** system is composed of:

- Channel body in HDPE with a stainless/galvanised steel edge, 4 mm thick.
- Height of edge, 25 mm
- Can be used up to class F900
- Ideal for road drainage, crossings, parking and unloading areas for heavy vehicles, where the system has to support high loads linked with high crossing speeds.

Channels size

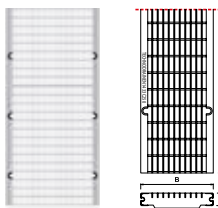


TYPE	L	H	LN	H ₁	D ₁	D ₂	Plain End Cap
EXEL 100H	150	210	100	150	2xø110	1xø110	CD P100-EC
EXEL 150H	200	210	150	150	2xø110	1xø110 - 1xø160	CD P150-EC
EXEL 200H	250	210	200	150	2xø110	1xø110 - 1xø160	CD P200-EC
EXEL 200HV	250	310	200	250	2xø160 - 1xø110	1xø160 - 1xø200	CD P200-EC
EXEL 100S	150	135	100	75	2xø63	1xø110	
EXEL 150S	200	135	150	75	2xø63	1xø110 - 1xø160	
EXEL 200S	250	135	200	75	2xø63	1xø110 - 1xø160	

All sizes are in mm

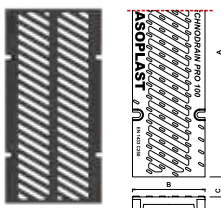
Gratings and covers

C 250



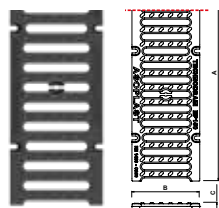
Mesh 30x10 grating
galvanised/stainless steel

C 250



MDuctile iron grating
(10 mm slot)

C 250



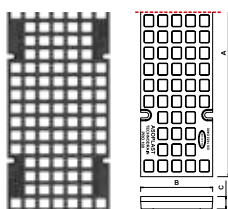
Ductile iron grating (18mm slot)

D 400



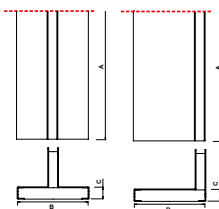
Ductile iron grating (6mm slot)

D400 / E600-F900



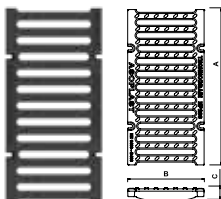
Ductile iron mesh grating

D 400



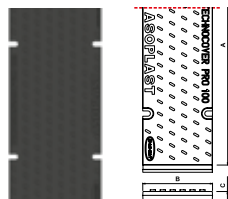
Galvanised steel slot drain

D 400 / F900



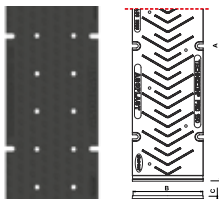
Ductile iron grating
(18mm slot)

E 600



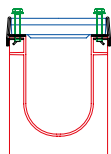
Ductile iron solid top

E 600



Ductile iron cover
for composting system

Lock system between EXEL channels and gratings



1

1. Fastening to the channel and the edge with bolts included in the edge kit (all gratings)

TECHNODRAIN SYSTEM



Technodrain
pro

EN1433 - Loading class
SUITABLE FOR



C 250



D 400



E 600

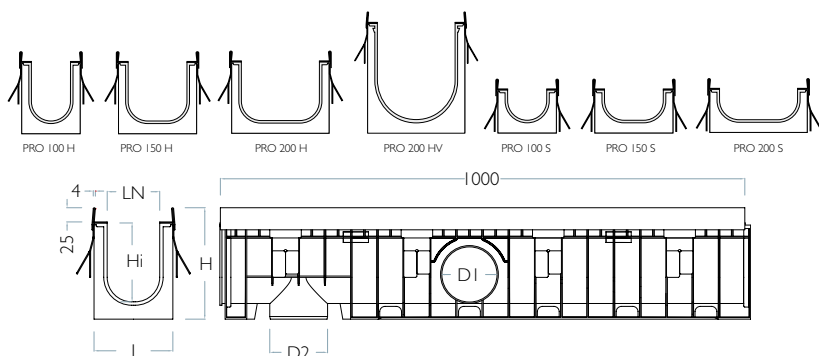


F 900

The **Technodrain Pro** system is composed of:

- Channel body in HDPE with a stainless/galvanised steel edge, 4 mm thick.
- Height of edge, 25 mm, equipped with side anchors to enhance the concrete anchorage.
- Can be used up to class F900
- Ideal for road drainage, crossings, parking and unloading areas for heavy vehicles, where the system has to support high loads linked with high crossing speeds

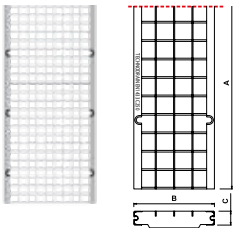
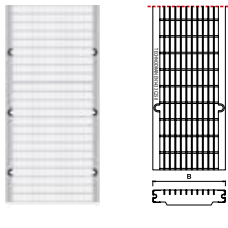
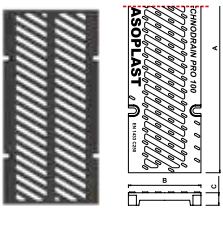
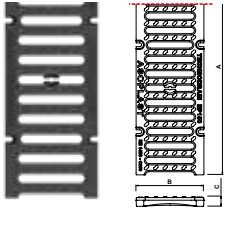
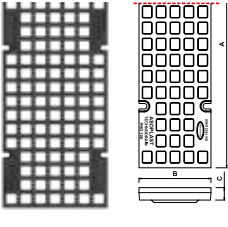
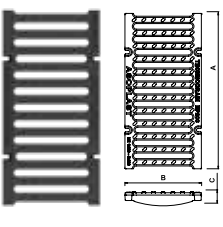
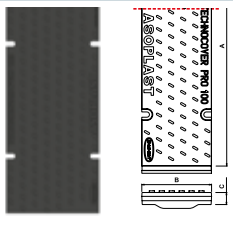
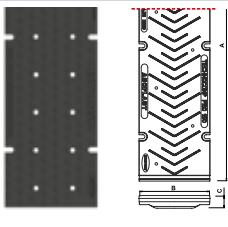
Channels size



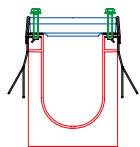
TYPE	L	H	LN	H _i	D ₁	D ₂
PRO 100H	150	210	100	150	2xø110	1xø110
PRO 150H	200	210	150	150	2xø110	1xø110 - 1xø160
PRO 200H	250	210	200	150	2xø110	1xø110 - 1xø160
PRO 200HV	250	310	200	250	2xø160 - 2xø200	1xø160 - 1xø200
PRO 100S	150	135	100	75	2xø63	1xø110
PRO 150S	200	135	150	75	2xø63	1xø110 - 1xø160
PRO 200S	250	135	200	75	2xø63	1xø110 - 1xø160

All sizes are in mm

Gratings and covers

C 250  Mesh 30x30 grating galvanised/stainless steel	C 250  Mesh 30x10 grating galvanised/stainless steel	C 250  Ductile iron grating (10 mm slot)
C 250  Ductile iron grating (18mm slot)	D400 / E600-F900  Ductile iron mesh grating	D 400  Ductile iron grating (18mm slot)
E 600  Ductile iron solid top	E 600  Ductile iron cover for composting system	

Lock system between PRO channels and gratings



1

1. Fastening to the channel and the edge with bolts included in the edge kit (all gratings)

TECHNODRAIN SYSTEM



Technodrain
promax

EN1433 - Loading class
SUITABLE FOR



C 250



D 400



E 600

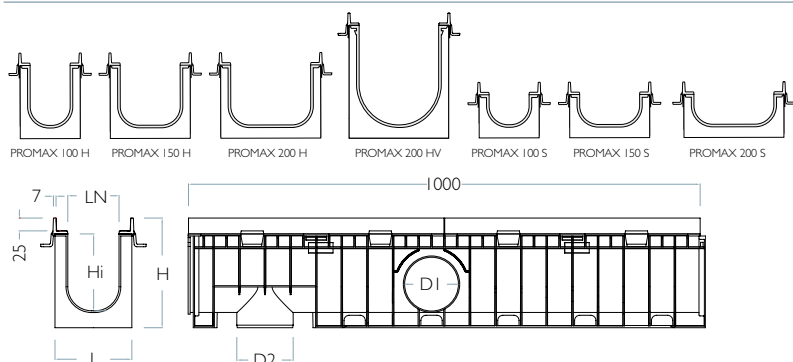


F 900

The **Technodrain Promax** system is composed of:

- Channel body in HDPE with a heavy ductile iron edge, 7 mm thick.
- Height of edge, 25 mm, equipped with side anchors to enhance anchorage of concrete.
- Can be used up to class F900.
- Ideal for motorways, industrial and port areas, airports container unloading and warehousing areas.

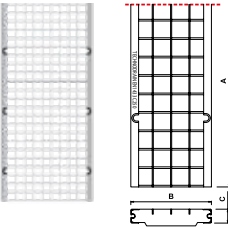
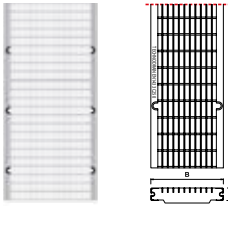
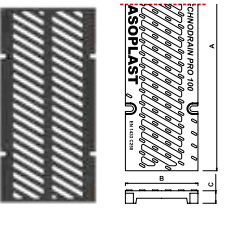
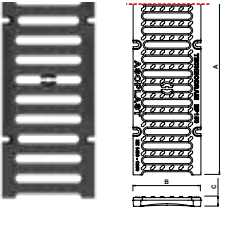
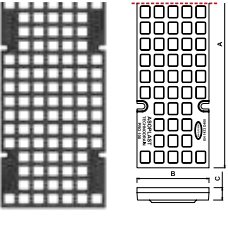
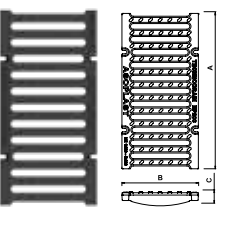
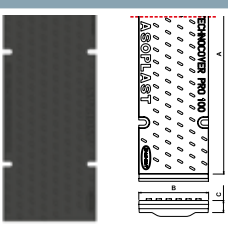
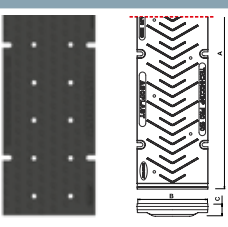
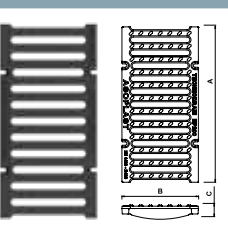
Channels size



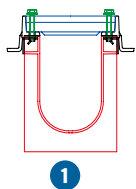
TYPE	L	H	LN	H _i	D ₁	D ₂	Plain End Cap
PRO MAX 100H	150	214	100	150	2xø110	1xø110	CD P100-EC
PRO MAX 150H	200	214	150	150	2xø110	1xø110 - 1xø160	CD P150-EC
PRO MAX 200H	250	214	200	150	2xø110	1xø110 - 1xø160	CD P200-EC
PRO MAX 200HV	250	314	200	250	2xø160 - 2xø200	1xø160 - 1xø200	CD P200-EC
PRO MAX 100S	150	139	100	75	2xø63	1xø110	
PRO MAX 150S	200	139	150	75	2xø63	1xø110 - 1xø160	
PRO MAX 200S	250	139	200	75	2xø63	1xø110 - 1xø160	

All sizes are in mm

Gratings and covers

C 250  Mesh 30x30 grating galvanised/stainless steel	C 250  Mesh 30x10 grating galvanised/stainless steel	C 250  Ductile iron grating (10 mm slot)
C 250  Ductile iron grating (18mm slot)	D 400 / E 600-F 900  Ductile iron mesh grating	D 400  Ductile iron grating (18mm slot)
E 600  Ductile iron solid top	E 600  Ductile iron cover for composting system	F 900  Ductile iron grating (18mm slot)

Lock system between PROMAX channels and gratings



1. Fastening to the channel and the edge with bolts included in the edge kit (all gratings)

TECHNODRAIN SYSTEM



Technodrain
magnum

EN1433 - Loading class
SUITABLE FOR

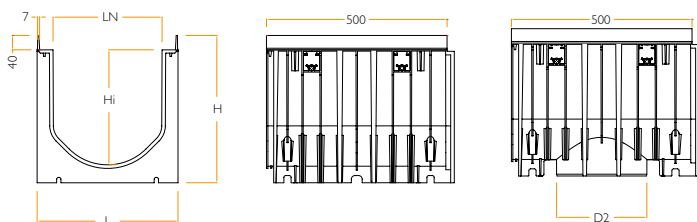


C 250

The **Technodrain Magnum City** is composed of:

- Channel body in HDPE including a containing edge.
- Height of edge, 40 mm
- Ideal for use in areas that require a high level of drainage in the C250 loading class.
- Can be used as a cable passage channel.

Channels size

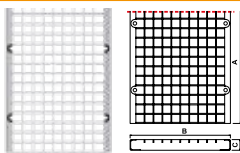


TYPE	L	H	LN	H _i	D ₁	D ₂
MAGNUM CITY	390	410	302	320		1xø200 - 1xø250

All sizes are in mm

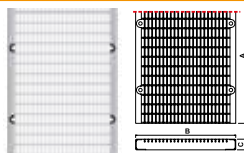
Gratings and covers

C 250



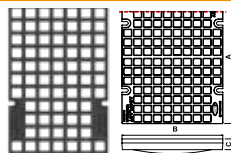
Mesh 30x30 grating
galvanised/stainless steel

C 250



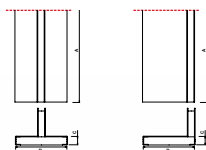
Mesh 30x10 grating
galvanised/stainless steel

C 250



Ductile iron mesh grating

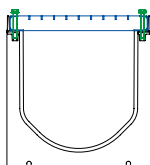
C 250



Galvanised steel slot drain
[Available on request](#)



Lock system between MAGNUM CITY channels and gratings



1

1. Fastening to the channel with tools and bolts included in the grating kit (all gratings)

TECHNODRAIN SYSTEM



Technodrain
magnum

EN1433 - Loading class
SUITABLE FOR



C 250



D 400



E 600

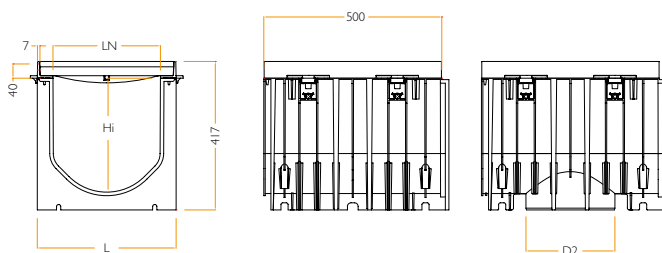


F 900

The **Technodrain Traffic system** is composed of:

- Channel body in HDPE with a 7 mm heavy ductile iron edge.
- Height of edge, 40 mm, equipped with side anchors to enhance the anchorage of the concrete
- Can be used up to class F900
- Ideal for motorways, industrial and port areas, container un-loading and storage zones, airports.
- Can be used as a cable passage channel.

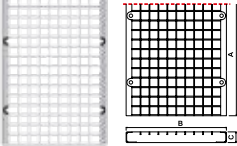
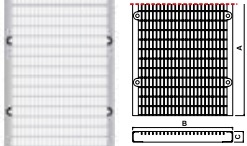
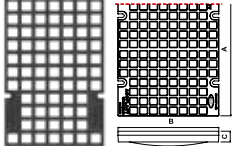
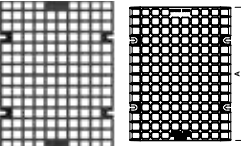
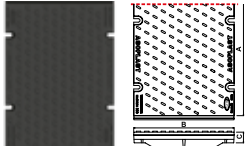
Channels size



TYPE	L	H	LN	H _i	D ₁	D ₂
MAGNUM TRAFFIC	390	417	302	326		1xø200 - 1xø250

All sizes are in mm

Gratings and covers

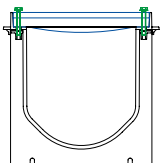
C 250	C 250	C250/D400/E600-F900
		
Mesh 30x30 grating galvanised/stainless steel	Mesh 30x10 grating galvanised/stainless steel	Ductile iron mesh grating
D 400	E 600	
		
System for drainage asphalt Available on request	Ductile iron solid top	



Cabling Channel

The magnum Traffic channel can effectively be used as a cable passage channel and enables the separation and fastening of several different types of service.

Lock system between MAGNUM TRAFFIC channels and gratings



1

1. Fastening to the channel and the edge with bolts included in the edge kit (all gratings)

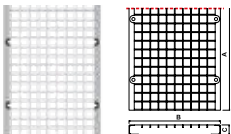
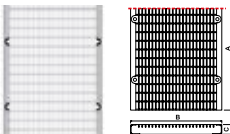
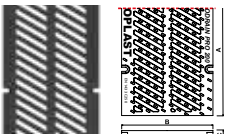
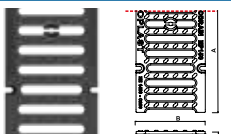
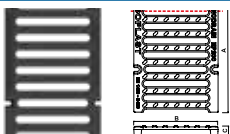
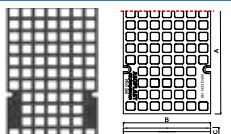
TECHNODRAIN SYSTEM



The Technobox siphoned sump system successfully replaces the traditional concrete system thanks to its many advantages:

- Channel body in HDPE with a heavy 7 mm ductile iron edge.
- Height of edge 25 mm, equipped with side anchors to enhance the anchorage of the concrete.
- Low impact on the road surface with a high drainage capacity
- Internal siphon, removable for cleaning
- Filter basket for leaves and debris
- Drains up to 200 mm diameter
- Can be used up to class F900
- Ideal for roadside drainage and the punctual drainage of open areas and car parks.

Gratings and covers

C 250  Mesh 30x30 grating galvanised/stainless steel	C 250  Mesh 30x10 grating galvanised/stainless steel	C 250  Ductile iron grating (10 mm slot)
C 250  Ductile iron grating (18mm slot)	D400/F900  Ductile iron grating (18mm slot)	D 400/E 600-F 900  Ductile iron mesh grating



The Technodrain Steelmax system is manufactured in Aisi 304 stainless steel, complete with accessories such as floor channel traps. Very easy to clean and completely viewable.

They can be manufactured according to the clients specifications in different sizes and materials (even galvanised steel and Aisi 316 stainless steel). Ideal for use in agricultural and food industry such as: cheese makers, slaughterhouses, food processing and preservation industry, restaurants and kitchens and cellars. Essential in: hospital, chemical, pharmaceutical sector:



Central slotted channel



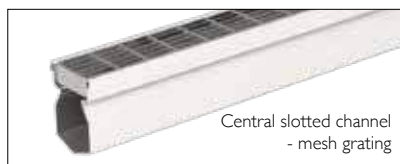
Side slotted channel



Central grid channel



Side grid channel



Central slotted channel
- mesh grating



Channel with
mesh grating



Slotted channels with built-in
internal slope system and Gully



Drain
Siphon



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