



www.stora-drain.be

STORA KERB

A COMBINED KERB AND CHANNEL
DRAINAGE SYSTEM
D400



STORA-DRAIN

In harmony with nature...

LOAD CLASS

according EN1433:2005

The indications A15, B125, C250, D400, E600 or F900 measure the level of test resistance expressed in kN that is statically transmitted to the element being studied under laboratory conditions. For example, grid class C250 means that it transmits a strength of 250kN applied in accordance with EN 1433:2005.

CLASS

A 15

Areas which can only be used by pedestrians and cyclist, and similar A 15 areas such as green spaces.



CLASS

B 125

Footways, pedestrian areas and comparable areas, private car parks or car parking decks.



CLASS

C 250

Kerb sides and non-trafficked areas of hard shoulders and similar.



CLASS

D 400

Load traffic lanes (including pedestrian streets), hard shoulders and parking areas, for all types of road vehicles. Only longitudinal use, never transverse direction.



CLASS

E 600

Areas subjected to high wheel loads. Only longitudinal use, never transverse direction.



CLASS

F 900

Areas subjected to especially high wheel loads (e.g. aircraft pavements). Only longitudinal use, never transverse direction.





STORA-DRAIN

KERB

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KERB*

D400



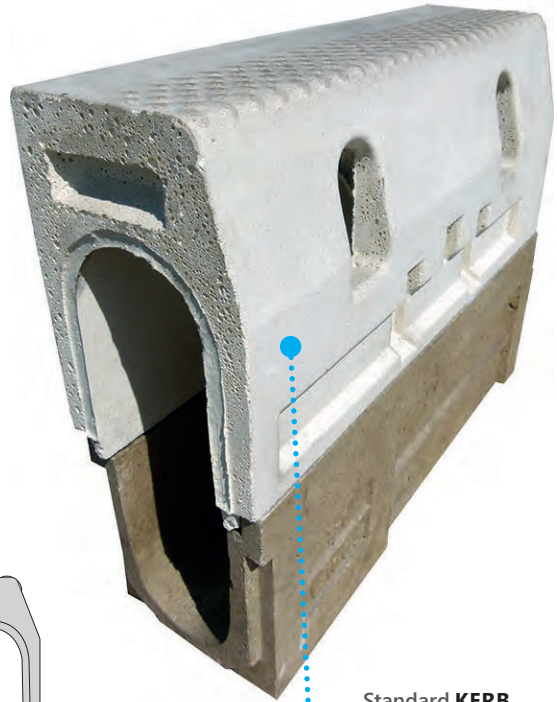
A COMBINED KERB AND CHANNEL DRAINAGE SYSTEM

STORA KERB is a two-part **KERB** and **CHANNEL** drainage system that is designed to be used in a wide variety of locations: roads, highways, car parks, industrial estates, roundabouts and all other kerbed areas that would usually be drained by means of gullies or standard drainage channels with gratings.

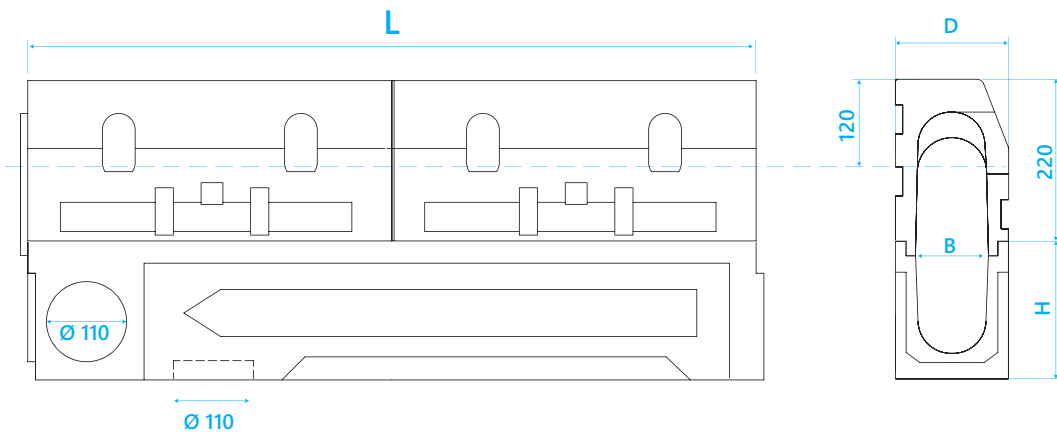
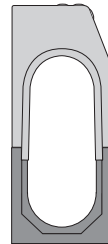
The wide range of available kerb top units seamlessly integrates with the traditional **STORA DRAIN** channel drainage system, which has proven its efficiency and reliability over many years.

The **STORA KERB** top unit also uses the same tongue and groove joining system as the channel, which simplifies the installation and alignment of both channel and kerb units.

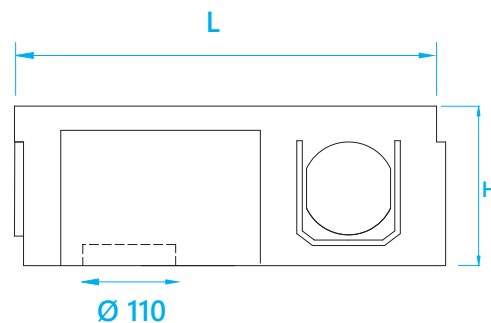
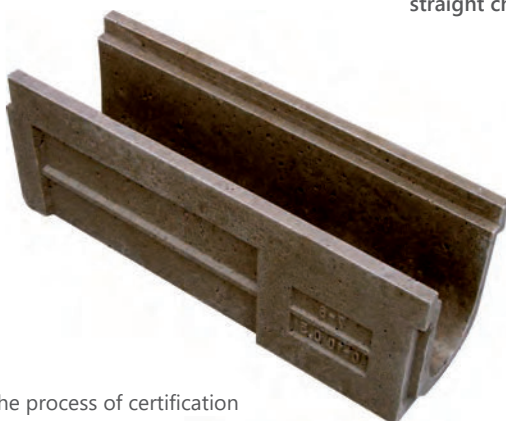
STORA KERB is manufactured in accordance with the regulations of **EN1433**. When the system is installed in accordance with the instructions given in this brochure, **D400** loading is achieved.



Standard KERB



straight channels **STORA KERB** level invert



cross channel L=500

STORA-DRAIN

KERB* 100

CHANNEL + KERB TOPS

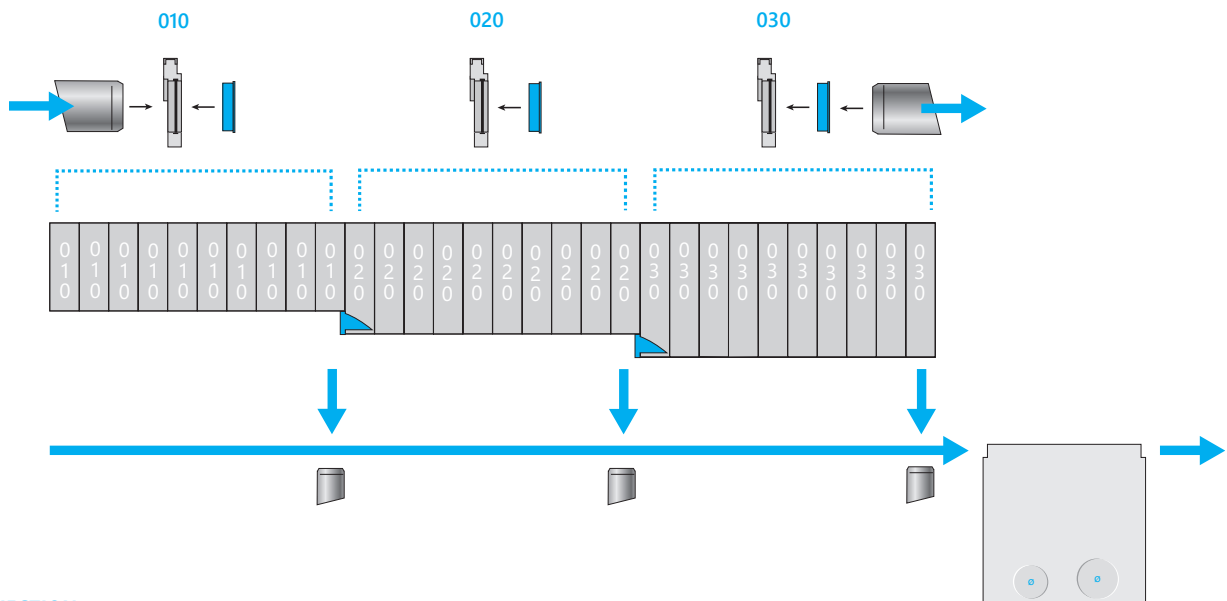
D400



- Kerb Top polyester concrete
- 120mm raised border

B=100 D=155	N°	H	Vertical outlet	hydraulic capacity	Horizontal outlet	Cross chanel	waterway area	Article number
channel L=1m	010	189	Ø 110		Ø 110	-		
channel L=0,5m	010	189	Ø 110		Ø 110	yes		
channel L=1m	020	249	Ø 110		-	-		
channel L=0,5m	020	249	Ø 110		Ø 110	yes		
channel L=1m	030	309	Ø 110		-	-		
channel L=0,5m	030	309	Ø 110		Ø 110	yes		

i The 010-020-030 channels can be installed with constant depth or with stepped-fall.



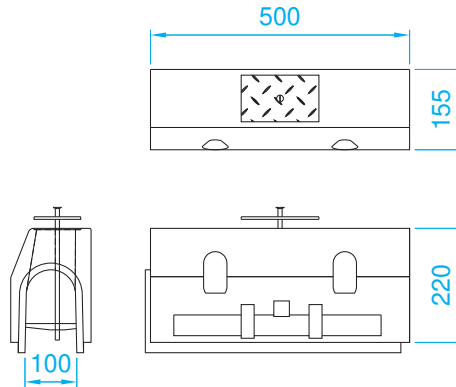
CONNECTION

KERB* 100 WITH STEPPED FALL SYSTEM

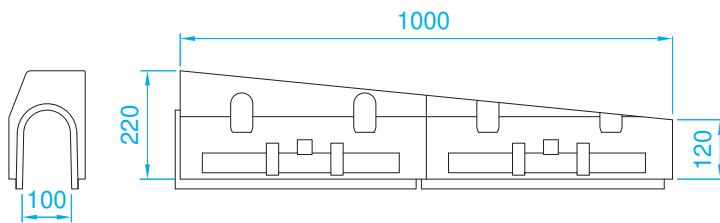
* model in the process of certification

OTHER TOP ELEMENTS **KERB*** **100**

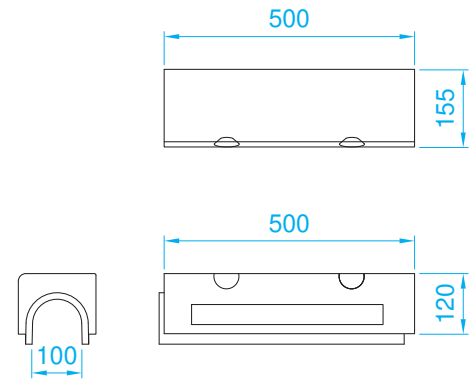
ACCESS UNIT



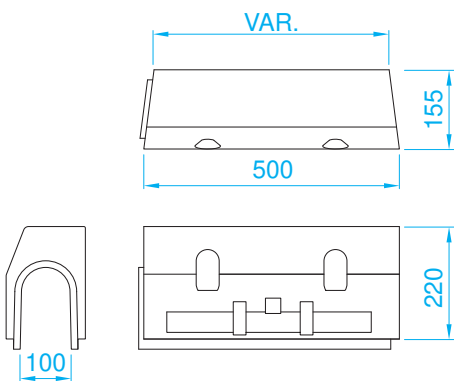
DROPPER LEFT



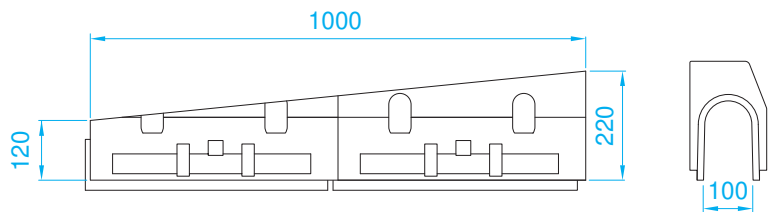
CROSSING STONE



RADIUS EXTERNAL



DROPPER RIGHT



STORA-DRAIN

KERB*

100

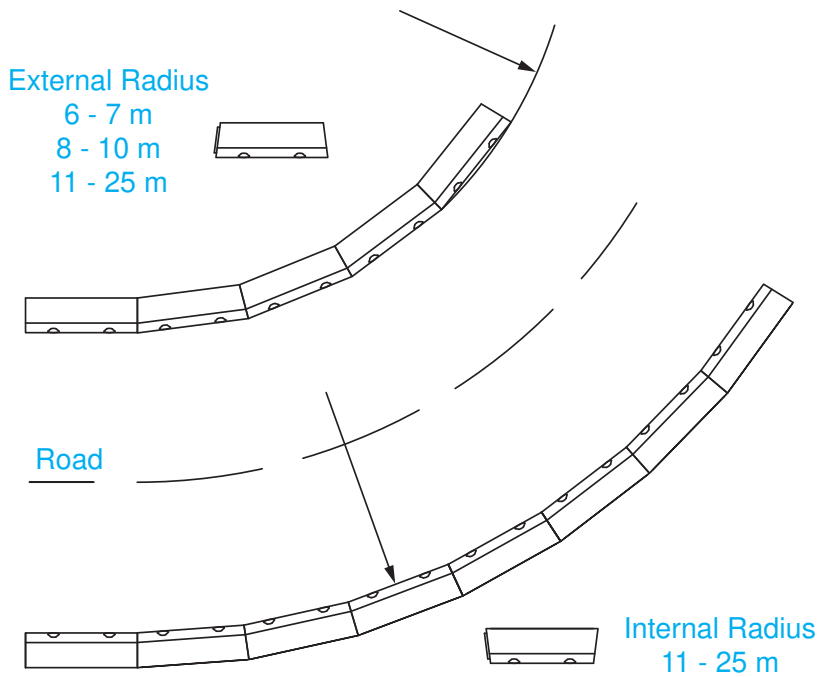
RADIUS CHANNELS+ STANDARD KERB TOPS

D400



- Kerb Top polyester concrete
- 120mm raised border

B=100 D=155	N°	H	Rayon	hydraulic capacity	waterway area	Numéro d'article
channel L=0,5m	010	189	6-7m External			
channel L=0,5m	010	189	8-10m External			
channel L=0,5m	010	189	11-25m External			
channel L=0,5m	010	189	11-25m <i>Internal</i>			
channel L=0,5m	020	249	6-7m External			
channel L=0,5m	020	249	8-10m External			
channel L=0,5m	020	249	11-25m External			
channel L=0,5m	020	249	11-25m <i>Internal</i>			



The 010 or 020 0,5m radius channels are mitred at both ends to enable a curved installation. The channels are installed at the appropriate location and are used in conjunction with the matching radius **KERB tops**.

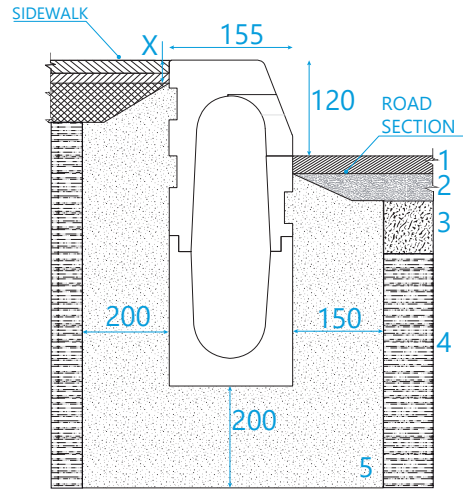
Curves with a radius ranging from 25 to 35m are achieved with standard 0,5m straight channels. Curves with a radius in excess of 35m and more are achieved using the standard 1m straight channels.

INSTALLATION INSTRUCTIONS KERB

INSTALLATION - KERB

URBAN STREET

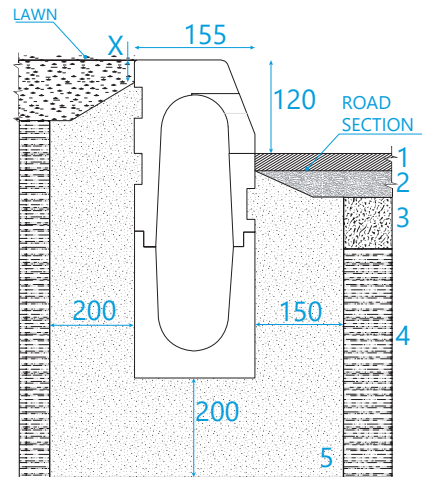
1. Sheet asphalt (ab. 4 cm)
2. Lower layer (conglomerat bitumineux - BINDER, ab. 10 cm)
3. Bearing layer (ab. 15 cm)
4. Subfloor (ab. 50 cm)
5. Concrete reinforcement layer
x > 3 cm



INSTALLATION - KERB

GREEN AREAS

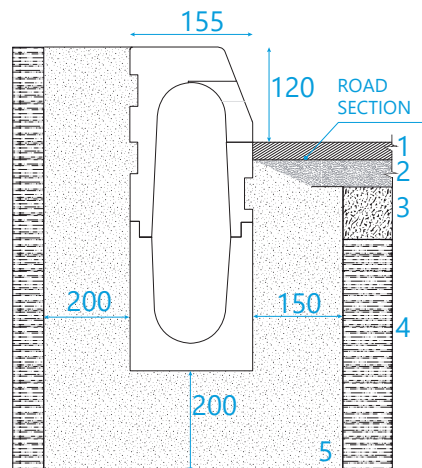
1. Sheet asphalt (ab. 4 cm)
2. Lower layer (conglomerat bitumineux - BINDER, ab. 10 cm)
3. Bearing layer (ab. 15 cm)
4. Subfloor (ab. 50 cm)
5. Concrete reinforcement layer
x > 3 cm



INSTALLATION - KERB

EXTRA URBANE AREAS (HEAVY TRAFFIC)

1. Sheet asphalt (ab. 4 cm)
2. Lower layer (conglomerat bitumineux - BINDER, ab. 10 cm)
3. Bearing layer (ab. 15 cm)
4. Subfloor (ab. 50 cm)
5. Concrete reinforcement layer



where can you find us?

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STORA-DRAIN

is part of the BSI group

(owned by the Belgian Ide family). The following companies are part of the group:



fondatel.com

FONDATEL is a Belgian foundry offering a wide range of high quality products with references in Belgium and France among others. A very large stock and an efficient logistical organisation result in very short delivery times. Resolutely focused on innovation, FONDATEL regularly offers new products that meet the expectations of clients and public works companies.



hermelock.be

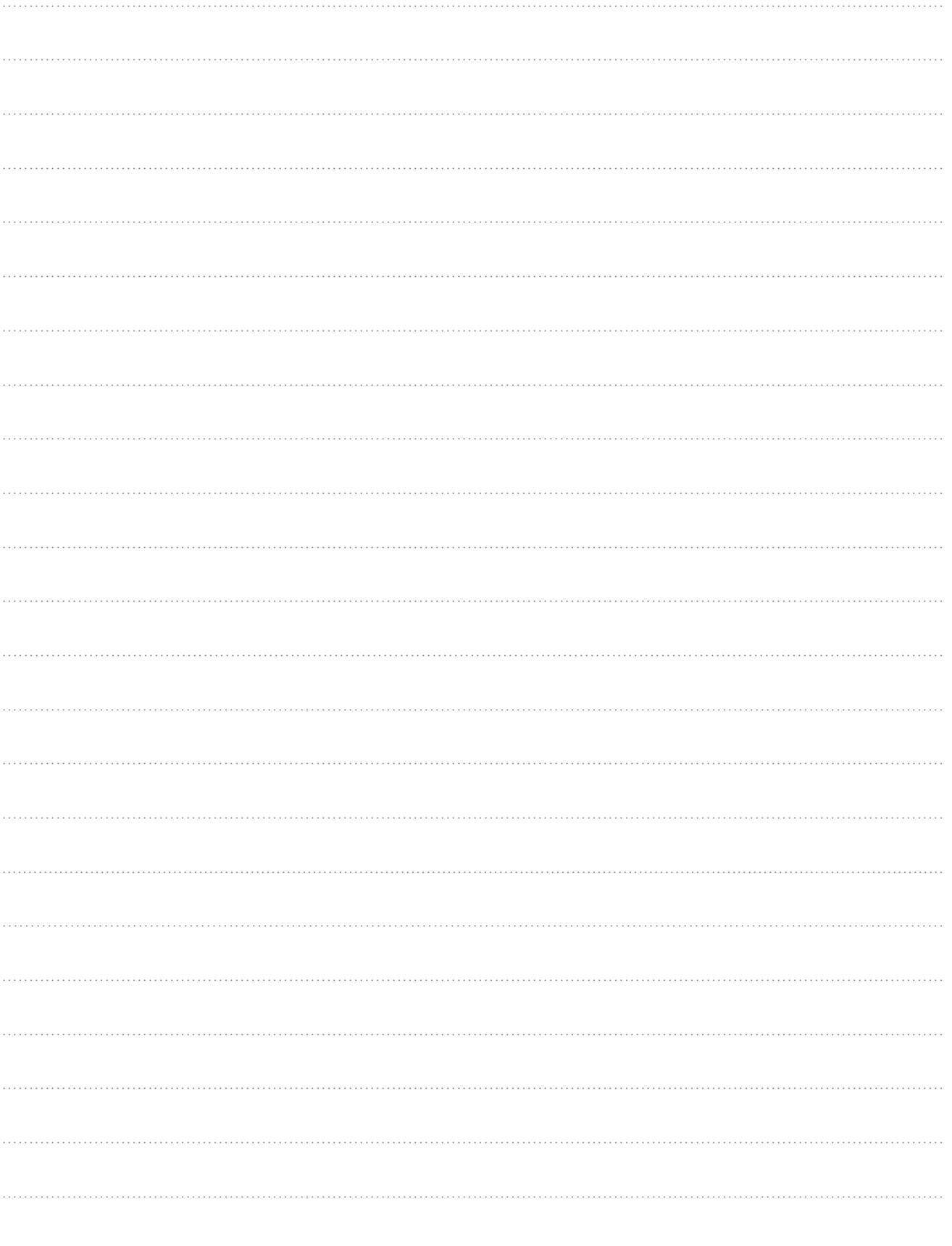
The composition, however, consists of composite materials, which makes the products extremely light compared to their volume. As a result, they are very easy to handle and can be placed by one person




bsibelgium.be

BSI producer of pvc pipes (range from sewerage up to sanitary and rain water disposal, and pipes in polyethylene, cable trays and electrical conduits);





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