



GRASPOINTNER
Sustainable innovation.



Federal Economic Chamber, Graz – Austria

Sustainable solutions for a modern infrastructure.

Product Catalogue
2025

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Latest news from the innovations factory...

New products 2025

BG-FILCOTEN® one opa

Our BG-FILCOTEN® one opa offers the ideal system for fast-drying and safe dual carriageways and motorways alike. Engineered with an intelligent, monolithic design, the drainage channel absorbs water over two layers, thus maximising the efficiency of the open-pored asphalts. To improve safety, no matter the weather. Find out more on pages 94 to 97.



BG-FILCOTEN® light NW 200

Our BG-FILCOTEN® light is available immediately in a new nominal width and with new gratings. Dimensionally stable, robust, but still light enough for landscape construction, it delivers safe and efficient drainage performance to ensure that your surfaces remain reliably protected. Find out more on pages 30 to 31.

BG-FILCOTEN® pro P Plastic edge

BG-FILCOTEN® pro, our all-rounder for demanding applications, is now becoming even more versatile than ever. With its new, durable and lightweight plastic edging, it is the perfect option for areas where electrically conductive parts and components are not allowed to be used. 100 % corrosion-resistant and available in the nominal widths 100, 150 and 200. Find out more on pages 50 to 61.



BG-FILCOTEN® pro E Stainless steel edge, NW 300

An add-on that is made to be seen: BG-FILCOTEN® pro NW 300 now also available with stainless steel edging. Find out more on pages 62 to 63.



BG-FILCOTEN® pro Plastic grating, NW 150

A new grating as the perfect addition to our non-conductive plastic edging – the safe, secure and sturdy solution for areas of application where no metals may be used. Find out more on pages 56 to 57.



BG-FILCOTEN® pro Linear ductile iron grate design

A new addition to our BlackLabel ductile iron design family of grating: its linear design blends in subtly and elegantly into the surrounding architecture, because stylish design doesn't end with the building but continues all the way down to the drainage. Find out more on pages 52 to 53.





60 years of innovation: The BG-Graspointner Group.

The BG-Graspointner Group is a leading family-run enterprise that has become a byword for sustainable and innovative rainwater management and infrastructure solutions ever since it was founded in 1963. With 17 companies and over 370 dedicated employees across the globe, we set standards in our industry. Our products can be found in 37 countries and help to create modern infrastructures through environmentally-friendly and efficient approaches. We are proud to offer our customers solutions that are ecologically and economically persuasive.

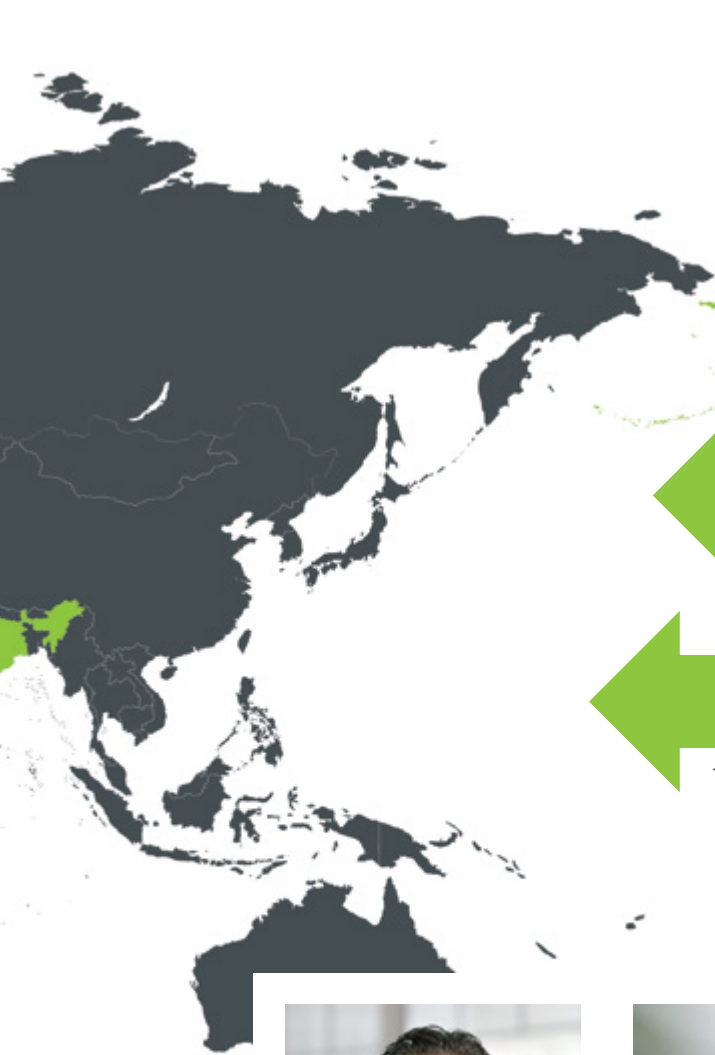
The future of drainage is sustainable.

We have completely overhauled our conventional concrete channel production operations at our main facility in Oberwang/Austria and now manufacture channel systems made entirely from FILCOTEN® HPC (High Performance Concrete). In 2023, this change led us to achieve some 45 percent in CO₂-equivalent savings when compared to conventional concrete production. Being consistently innovative and sustainable in all our actions is in the deep-rooted nature of our DNA. Our certified Environmental and Energy Management System¹⁾ confirms that our deeds are anything but empty words. What's more, our finished concrete parts undergo a stringent, independent life cycle assessment²⁾ that is verified by external experts.

We are currently in the throes of preparing our sustainability reporting in compliance with the Corporate Sustainability Reporting Directive (CSRD), which will see its first publication early 2026.



¹⁾ in accordance with ISO 14001 und 50001 standards
²⁾ ISO 14040 & ISO 14044 and EN 15804:A2 respectively



37 countries

BG-Graspointner products can be found in 37 countries.

17 companies

Six production and distribution companies as well as eleven fully-dedicated distribution companies.

45% CO₂ savings

The production overhaul at our main facility in Oberwang from conventional concrete to FILCOTEN® HPC, resulted in a CO₂-equivalent savings of some 45%.



Klemens R. Wiese
CEO



Günther Baumgartner
COO



Bmst. Ing. Friedrich Graspointner
CFO

BG BG-Graspointner Group:

2x Austria	France	Italy	Switzerland
Canada	Germany	Poland	United Kingdom
Czech Republic	Hungary	Romania	USA
Dubai (UAE)	India	3x Slovakia	

BG Sales partners:

Bahrain	Denmark	Netherlands	Serbia
Belgium	Estonia	North Macedonia	Slovenia
Bosnia & Herzegovina	Kingdom of Saudi Arabia	Norway	Sweden
Bulgaria	Lithuania	Oman	UAE
Croatia	Mexico	Qatar	USA

FILCOTEN[®] HPC:

Like traditional concrete, only better.

The 100% mineral high-performance concrete FILCOTEN[®] HPC is an enhanced form of conventional concrete. Its engineering and ecological properties are achieved without the use of any styrenes, synthetic fibres or polymers. The optimised high-density structure of HPC makes it possible to construct highly stable lightweight drainage channels – but it's the idea behind it that makes it unique.



Minimal weight

- FILCOTEN[®] HPC enables lightweight construction
- Quick and easy to install
- Dimensionally stable, robust concrete elements



Perfect hold in the concrete bed

- Ideal expansion coefficient, identical to that of the surrounding concrete



High drainage performance

- Low water absorption and penetration
- Smooth channel surface for high drainage performance and optimal self-cleaning effect



Resistant to extreme temperatures and UV light

- Maximum resistance to frost and de-icing salt
- UV resistant



Fireproof

- Non-combustible building material – Class A1
- Therefore emits no toxic smoke



Maximum robustness

- Unsurpassed stability and durability
- High pressure resistance, clearly exceeding the requirements of EN 1433 for concrete channels



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Verified life cycle assessment (LCA)

- Enhanced ecological transparency, in acc. with ISO 14040/14044 and EN 15804:A2
- Ideal for sustainable construction projects



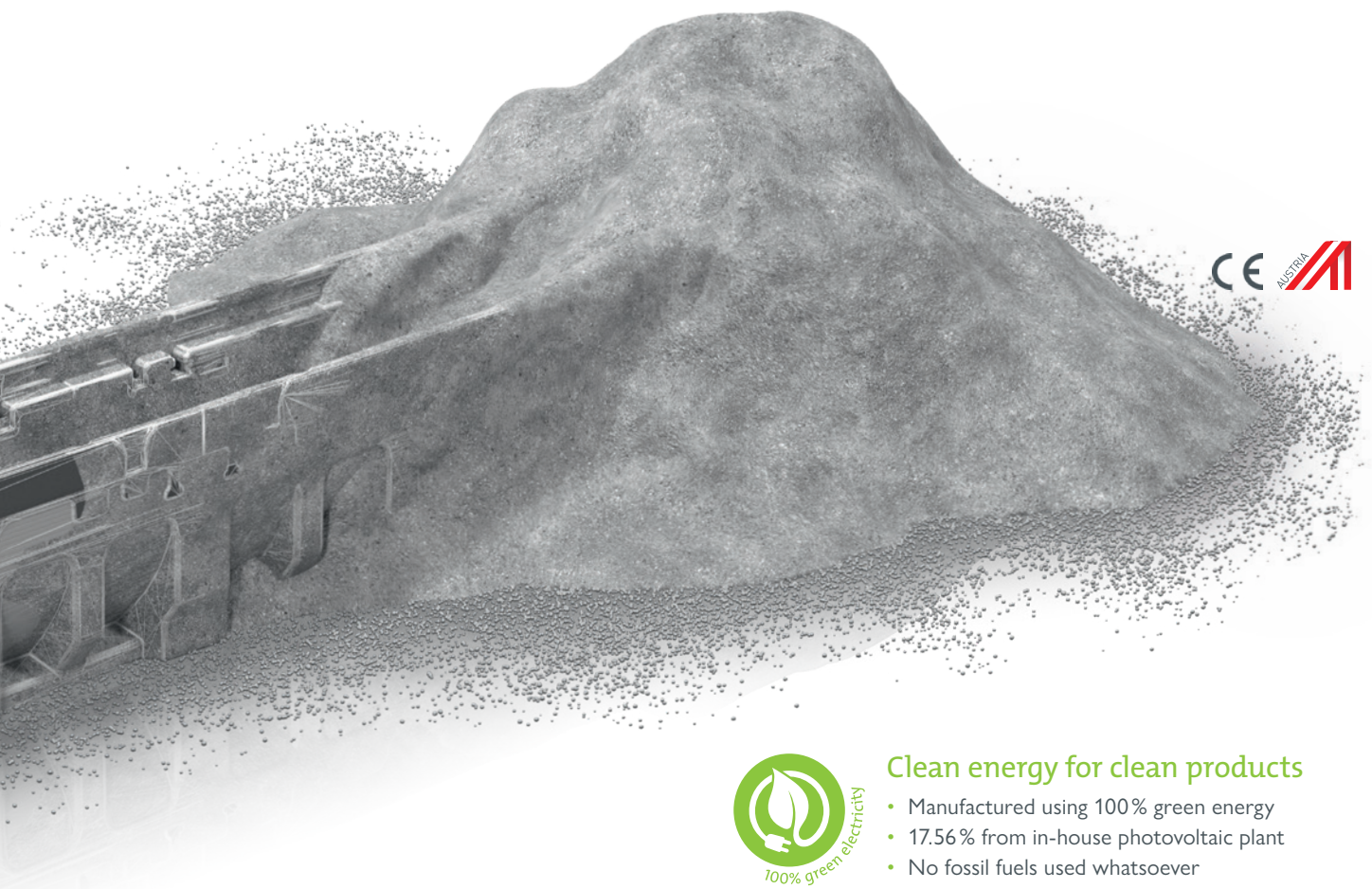
Resource efficiency

- 100 % recyclable, certified
- Quality class U-A ³⁾



Sustainable production

- Resource-efficient manufacturing process
- Up to 70% ⁴⁾ less sand and gravel
- Up to 55% ⁴⁾ less cement
- Up to 51% ⁴⁾ less water



Clean energy for clean products

- Manufactured using 100% green energy
- 17.56 % from in-house photovoltaic plant
- No fossil fuels used whatsoever



Certified for sustainability and tested for hazardous substances

- Certified environmental and energy management to ISO 14001 or 50001 standards at the location in Oberwang/AT
- Certified biologically sound construction material that meets the stringent testing criteria of the IBR, the Institute for Biologically Sound Construction, for heavy metals, VOCs, biocides and radioactivity; styrene-free ¹⁾
- certified ²⁾ in acc. too KIWA BRL 5070

¹⁾ Free of synthetic resins. ²⁾ KIWA certificate no. NL BSB® K43940.

³⁾ Certified by the Salzburg Institute for Construction Engineering Research (bvfs)

⁴⁾ Compared to a comparable product made of concrete.



Goodbye greenwashing, hello full transparency.

Today, many companies claim sustainability credentials, but the key question is: how much of this environmental protection is just a green facade?

Full transparency – nature deserves it.

With our BG-FILCOTEN® products, we are following a unique path of total transparency and have subjected the system to a rigorous, independent life cycle analysis ¹⁾. This takes the form of a **Life Cycle Assessment** in line with ISO 14040 & ISO 14044 or EN 15804:A2 and uses recognised indicators such as the Global Warming Potential (GWP), Cumulative Energy Expenditure (CEE) and Abiotic Resource Use (ARU).

We play with our cards on the table – and even let others look over our shoulder.

To confirm our transparent data, the product Life Cycle Assessment for phases A1–A4 was subsequently verified by external experts ²⁾ in line with EN 15804:A2.



Analysed and verified by:

¹⁾ ECODESIGN company – www.ecodesign-company.com

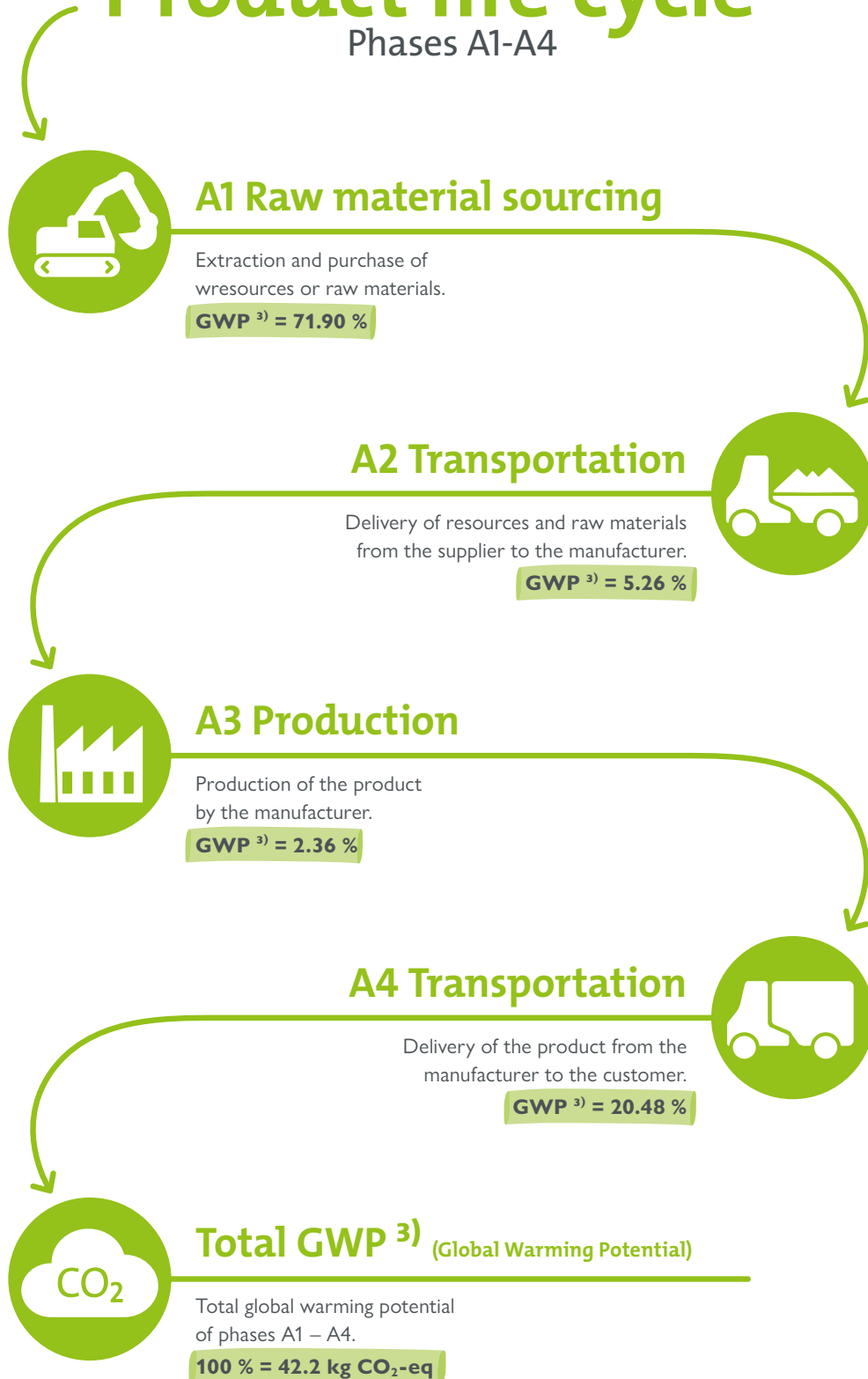
¹⁺²⁾ TerraNEXT – www.terranext.io (verification Q4/2024 completed)



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Product life cycle

Phases A1-A4

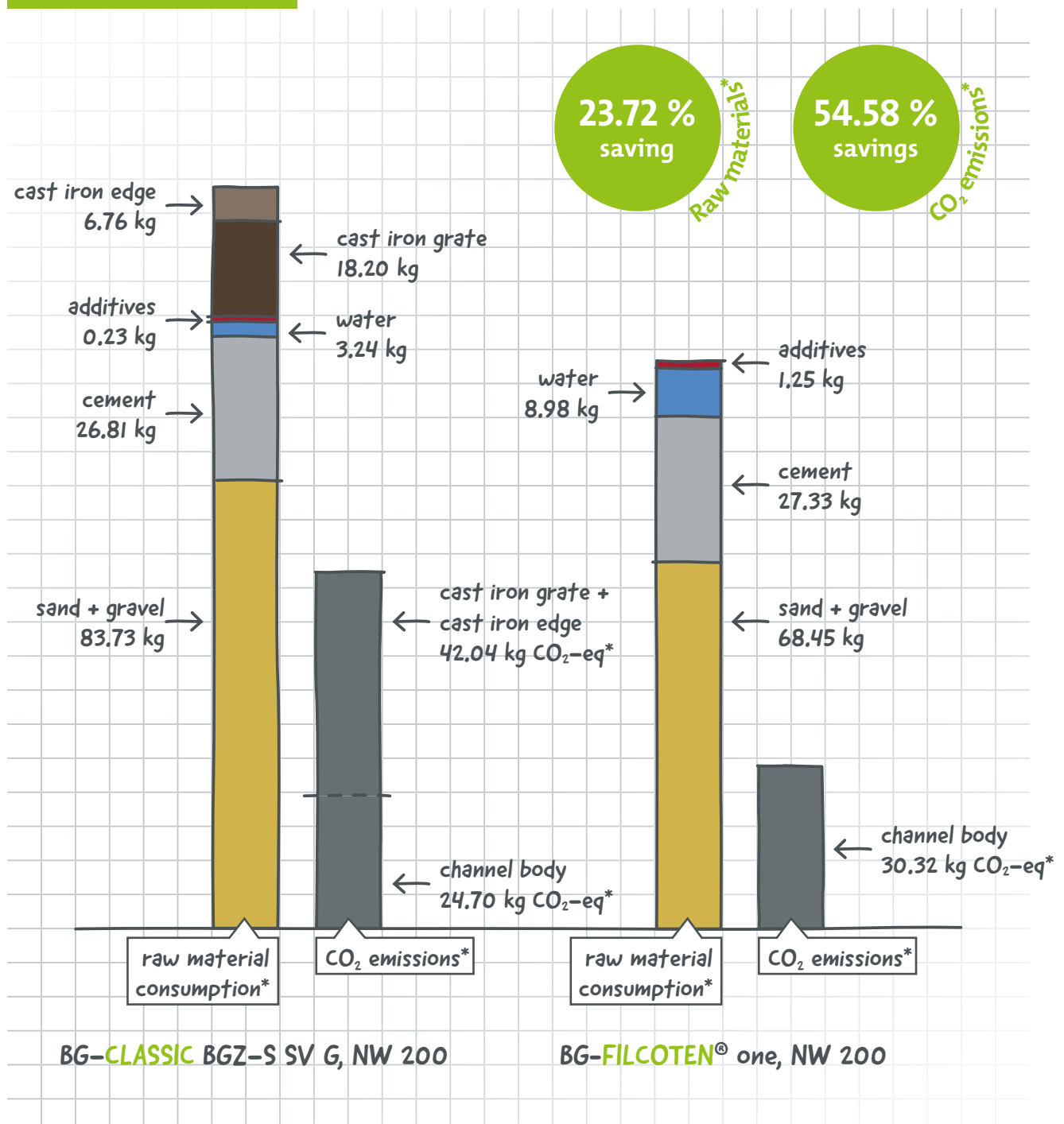


*) The GWP values are based on one metre of BG-FILCOTEN® one NW 200.

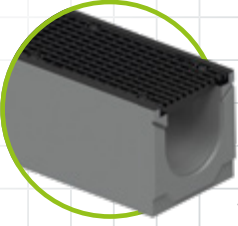

Less raw material consumption ...

Because sustainability and climate protection start with the material...

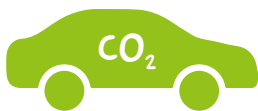
A comparison of FILCOTEN® HPC with conventional concrete shows how resources in construction projects can be saved while also having the capacity to significantly reduce CO₂ emissions.



Simply effective and sustainable: The FILCOTEN® HPC formula ...

	NW 200	Global warming potential A1 – A4 (500 km Transport)	Total global warming potential for A1 – A4 500 m of channel run****
	BG-CLASSIC BGZ-S SV G	79.9 kg CO ₂ -eq**	39,950 kg CO ₂ -eq**
	BG-FILCOTEN® one, no. 0	42.2 kg CO ₂ -eq**	– 21,100 kg CO ₂ -eq**
			= <u>18,850 kg CO₂-eq</u>

A saving of **18,850 kg CO₂ equivalent** equals...



.....75,825 km

...approx. 75,825 km journey of a diesel passenger car (248.6 g/km CO₂-eq)***



.....17,512 km

...approx. 17,512 journey of a 40 tonne semitrailer truck (1,076.4 g/km CO₂-eq)***

**) Value basis LCA environmental indicators according to ISO 14040 and ISO 14044 modules A1-A4 in accordance with EN 15804:A2, BG-Graspointner LCA report 2018, LCA calculator 2023, provided by ECODESIGN company – www.ecodesign-company.com

***) Source: Emission figures of the Austrian Federal Environment Agency, database 2021. Figures used consider total emissions, including statistically average occupancy rates.

****) Assuming a distance of 500 km to the construction site.

Class A 15 – F 900



Down to the last **detail**
the **top choice**
for **professionals.**
BG-FILCOTEN®



Be it regular day-to-day business or special projects involving extreme challenges, BG-FILCOTEN® channel systems are in their element on any terrain. After all, these drainage systems represent the high art of engineering and the culmination of many years of experience working to meet the needs and requirements of our customers.

Our FILCOTEN® HPC (High Performance Concrete) enables intelligent lightweight construction that affords greater drainage performance, convenient installation and maximum stability and robustness for highly efficient solutions.



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¹⁾ No use of synthetic resins.



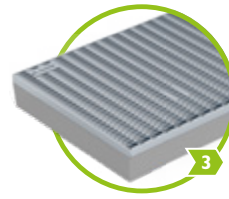
BG-FILCOTEN® self
up to class B 125

pages 14 – 17



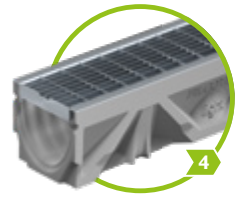
BG-FILCOTEN® spot
up to class B 125

pages 18 – 21



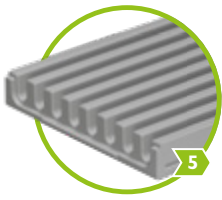
BG-FILCOTEN® step
walkable

pages 22 – 23



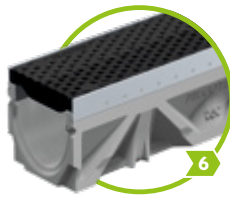
BG-FILCOTEN® light
up to class C 250

pages 24 – 33



BG-FILCOTEN® parkline
up to class C 250

pages 34 – 37



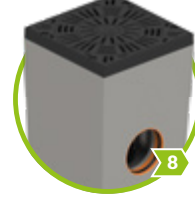
BG-FILCOTEN® tec
up to class C 250

pages 40 – 47



BG-FILCOTEN® pro
up to class E 600

pages 48 – 65



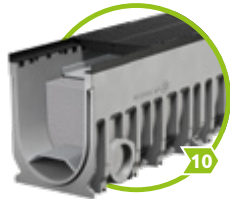
BG-FILCOTEN® spot HD
up to class E 600

pages 66 – 67



BG-FILCOTEN® connect
up to class E 600

pages 68 – 69



BG-FILCOTEN® green
up to class E 600

pages 70 – 73



BG-FILCOTEN® one urban
up to class D 400

pages 80 – 87



BG-FILCOTEN® one
up to class F 900

pages 88 – 93



BG-FILCOTEN® one opa
up to class D 400

pages 94 – 97



Technical data: www.say.bg/en/bg-filcoten

BG-FILCOTEN® channel systems sorted by application areas:

motorway	1 2 3 4 5 6 7 8 9 10 11 12 13	logistics area	1 2 3 4 5 6 7 8 9 10 11 12 13
platform	1 2 3 4 5 6 7 8 9 10 11 12 13	exhibition halls	1 2 3 4 5 6 7 8 9 10 11 12 13
facade	1 2 3 4 5 6 7 8 9 10 11 12 13	parking decks & garages	1 2 3 4 5 6 7 8 9 10 11 12 13
airport (airside)	1 2 3 4 5 6 7 8 9 10 11 12 13	parking area (truck)	1 2 3 4 5 6 7 8 9 10 11 12 13
pedestrian zones	1 2 3 4 5 6 7 8 9 10 11 12 13	parking area (car)	1 2 3 4 5 6 7 8 9 10 11 12 13
garage driveway	1 2 3 4 5 6 7 8 9 10 11 12 13	slot drainage	1 2 3 4 5 6 7 8 9 10 11 12 13
landscape construction	1 2 3 4 5 6 7 8 9 10 11 12 13	sports facility	1 2 3 4 5 6 7 8 9 10 11 12 13
harbour	1 2 3 4 5 6 7 8 9 10 11 12 13	terrace	1 2 3 4 5 6 7 8 9 10 11 12 13
front entrance	1 2 3 4 5 6 7 8 9 10 11 12 13	underground car park	1 2 3 4 5 6 7 8 9 10 11 12 13
storage area	1 2 3 4 5 6 7 8 9 10 11 12 13	garage	1 2 3 4 5 6 7 8 9 10 11 12 13

Very light and easy to handle.

BG-FILCOTEN[®] self

The channels and grates contained in the BG-FILCOTEN[®] self kit are exceptionally lightweight, whilst their compact design make them very easy to handle – and thus the perfect companion for any home or garden project. As it uses FILCOTEN[®] HPC (High Performance Concrete), BG-FILCOTEN[®] self is both light, robust and efficient all at the same time as well as easy to install and maintain.

Cover, car accessible

Slotted grating, galvanised



Smooth surface

Unlike conventional concrete, the FILCOTEN[®] HPC surface is smooth, and thus delivers the best flow properties and self-cleaning performance.

Safety joint

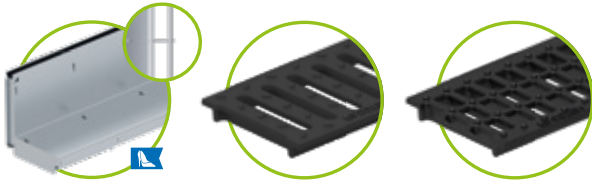
A sealable safety joint enables a tight, waterproof connection between the individual segments.

Outlet points

A vertical outlet is possible on every channel body.



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Covering options, class B 125

Slot tops, ductile iron slotted grating or ductile iron mesh grating can also be used as a covering.

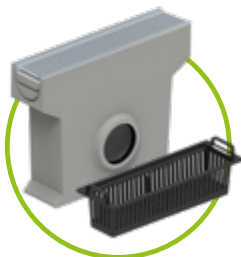


Compact construction

Channel body with a nominal width of 100 mm and an installation height of 98 mm (not incl. grating).

Perfectly fitting channel

Anchoring ribs ensure that the channel sits securely in the concrete foundation and prevent any floating along the entire length of the channel.



SET self sump unit
L = 500 mm incl. slotted grating and plastic silt bucket

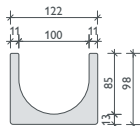
Areas of application:

- house driveway
- garage driveway
- garden and landscape construction
- terrace
- sports facility

up to class B 125

BG-FILCOTEN[®]

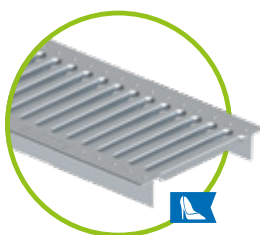
self



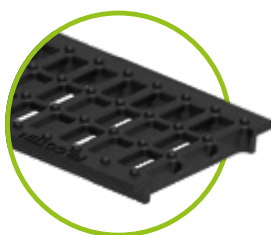
BG-FILCOTEN[®] self, NW 100

Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) up to class B, covers lockable

Item no.	SET-item	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
10710200	SET self L = 1000 mm incl. slotted grating SW 5/80	accessible by car	8.6 kg	48	
10710280	SET self L = 500 mm incl. slotted grating SW 5/80	accessible by car	4.8 kg	48	
10710100	SET self L = 1000 mm incl. ductile iron mesh grating MW 15/25	B 125	11.9 kg	48	
10710180	SET self L = 500 mm incl. ductile iron mesh grating MW 15/25	B 125	8.9 kg	48	
10710101	SET self L = 1000 mm incl. ductile iron slotted grating SW 10/85	B 125	11.0 kg	48	
10710181	SET self L = 500 mm incl. ductile iron slotted grating SW 10/85	B 125	9.0 kg	48	
10710203	SET self L = 1000 mm incl. slot top V NW 100, SW 12.5 ¹⁾	B 125	12.1 kg	48	
10710283	SET self L = 500 mm incl. slot top V NW 100, SW 12.5 ¹⁾	B 125	8.7 kg	48	
Item no.	Accessories	Material	Weight	Pc./Pallet	Euro/pc.
10710290	SET sump unit incl. slotted grating SW 5/80 and silt bucket		17.8 kg	10	
10710190	SET sump unit incl. ductile iron mesh grating and silt bucket		19.6 kg	10	
10710191	SET sump unit incl. ductile iron mesh grating and silt bucket		19.8 kg	10	
10710293	SET sump unit incl. maintenance unit SW 12.5 and silt bucket		21.1 kg	10	
19010221	self front cap	galvanised	0.1 kg		
19010222	self end cap with outlet	galvanised	0.4 kg		



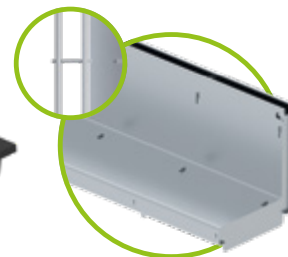
Slotted grating SW 5/80,
galvanised



Ductile iron mesh grating
MW 15/25



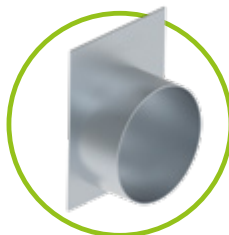
Ductile iron slotted grating
SW 10/85



Slot top class B 125,
SH 80 mm, SW 12.5



self front cap,
galvanised



End cap with outlet,
galvanised



self sump unit
L = 500 mm incl. silt bucket
made of plastic



References



Light, **compact** & **rock solid.**

Efficiency and aesthetics can go hand in hand. The BG-FILCOTEN® spot yard gully combines all of the positive features of our premium FILCOTEN® HPC material. Its stable yet lightweight construction makes it ideal for use around the house and garden where it ensures effective drainage.

The benefits at a glance:

- exceptionally dimensionally stable, light but robust
- heat and frost tolerant
- UV-resistant materials
- leak-proof sewer pipe connection
- cast components with high-quality coating
- hot-dip galvanised steel components

Areas of application:

- house driveway
- garden and landscape construction
- terrace
- parking area (car)
- school yard
- courtyard

Solid cast frame

Made of cast iron with a high-quality coating to support the class B 125 grating. The cast frame fits perfectly into the lower section of the yard gully to enable the surrounding floor covering to be flush-fitted.

Yard gully – lower section

Made from FILCOTEN® HPC (High Performance Concrete), it offers a high-quality edge around the frame for the inlaid gratings.

Outlet (DN 100) with odour trap

For a leak-proof sewer pipe connection



Inlaid inlet gratings with fiX locking system

Mesh grating, galvanised steel, MW 25/12,5 mm or cast iron grating (EN-GJS) in an elegant radial design with black, high-quality coating, can withstand loads up to cl. B 125.

Inlet grating with fiX locking system

Mesh grating, galvanised steel, MW 25/12,5 mm, car accessible.

Silt bucket

Made of recyclable plastic, retains coarse contamination and enables easy maintenance.

Anchoring ribs

Ensure a premium hold in the concrete bed.



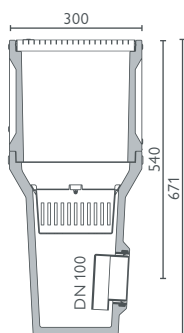
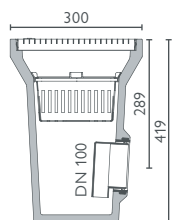
up to class B 125

BG-FILCOTEN® spot

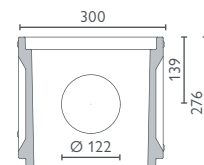
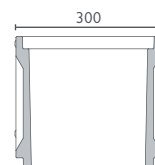
BG-FILCOTEN® spot

Yard drainage made of FILCOTEN® HPC (High Performance Concrete) – accessible by car

Item no.	spot / class A 15 – accessible by car	L/W/H	Weight	Pcs./Pallet	Euro/pc.
14130001	spot incl. galvanised steel mesh grating with retention spring, MW 25/12,5 mm, odour trap and silt bucket	300/300/419	21.5 kg	16	
14130020	spot gully top	300/300/276	12.3 kg	18	
14130023	spot gully top incl. drilling, Ø 122	300/300/276	11.4 kg	18	



spot with car-safe mesh grating incl. odour trap and silt bucket, optional gully top

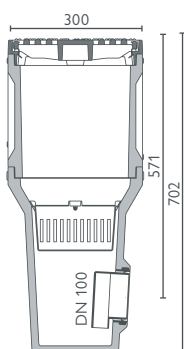
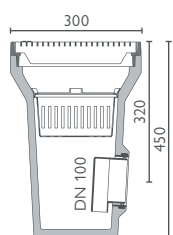


spot gully top with or without outlet opening Ø 122

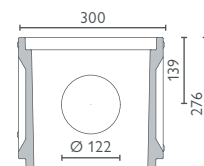
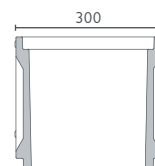
BG-FILCOTEN® spot

Yard drainage made of FILCOTEN® HPC (High Performance Concrete) incl. ductile iron frame – up to class B 125

Item no.	spot with ductile iron frame / class A 15 – B 125	L/W/H	Weight	Pcs./Pallet	Euro/pc.
14130101	spot incl. ductile iron frame, galvanised steel mesh grating with fiX locking system, MW 25/12,5 mm, odour trap and silt bucket	300/300/450	24.8 kg	16	
14130102	spot incl. ductile iron frame, ductile iron grating (EN-GJS) with fiX locking system, radial design, odour trap and silt bucket	300/300/450	26.7 kg	16	
14130020	spot gully top	300/300/276	12.3 kg	18	
14130023	spot gully top incl. drilling, Ø 122	300/300/276	11.4 kg	18	



spot incl. ductile iron frame with mesh grating or ductile iron grating up to class B incl. odour trap and silt bucket
Optional gully top



spot gully top with or without outlet opening Ø 122
Ductile iron frame can be transposed

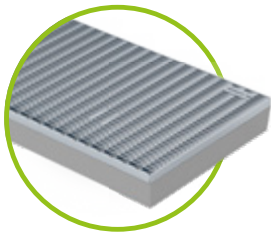
References

BG-FILCOTEN®





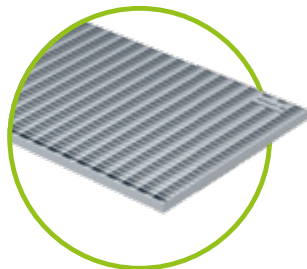
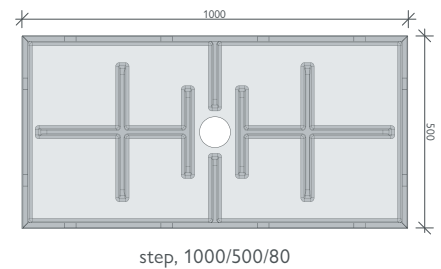
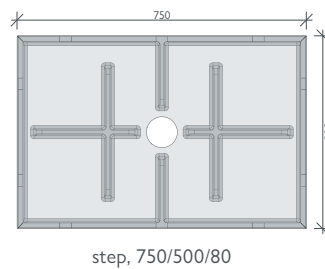
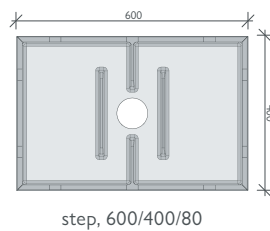
BG-FILCOTEN[®] step



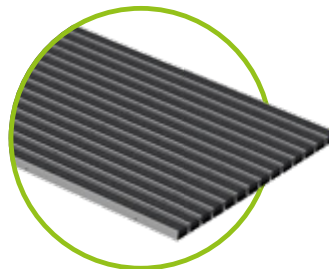
BG-FILCOTEN[®] step

Shoe-scraper box made of FILCOTEN[®] HPC (High Performance Concrete)
with integrated frame made of galvanised steel (V)

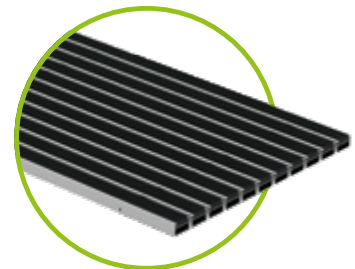
Item no.	Shoe-scraper box	Material	Weight	Pcs./Pallet	Euro/pc.
14155001	step, 600/400/80	FILCOTEN [®] HPC	13.5 kg	20	
14155002	step, 750/500/80	FILCOTEN [®] HPC	21.7 kg	20	
14155003	step, 1000/500/80	FILCOTEN [®] HPC	28.6 kg	10	
Item no.	Gratings	Material	Weight	Pcs./Pallet	Euro/pc.
17555001	Mesh grating, 600/400/20, MWV 30/10	galvanised	4.4 kg	100	
17555002	Mesh grating, 750/500/20, MWV 30/10	galvanised	6.9 kg	60	
17555003	Mesh grating, 1000/500/20, MWV 30/10	galvanised	8.5 kg	30	
17555011	Rubber mat, anthracite, 600/400/20	Alum. / ribbed	3.0 kg	100	
17555012	Rubber mat, anthracite, 750/500/20	Alum. / ribbed	4.7 kg	60	
17555013	Rubber mat, anthracite, 1000/500/20	Alum. / ribbed	6.3 kg	30	
17555021	Rubber profile-mat, black, 600/400/20	alu / rubber	4.3 kg	100	
17555022	Rubber profile-mat, black, 750/500/20	alu / rubber	6.7 kg	60	
17555023	Rubber profile-mat, black, 1000/500/20	alu / rubber	8.9 kg	30	



Mesh grating MWV 30/10
galvanised



Ribbed mat
anthracite



Rubber profile-mat
black

References



Keeps pace with any challenge

BG-FILCOTEN® step is the first shoe scraper made with FILCOTEN® HPC. With all the positive benefits: lightweight, high-stability construction. An excellent design affords a secure fit and easy installation. Suitable for home front doors and side entrances as well as commercial buildings.

Rubber profile-mat, black

- can also be used in exposed areas
- wheelchair accessible and washable

Ribbed mat, anthracite

- for reliable shoe dust and dirt removal
- for roofed areas
- durable, robust, easy to vacuum

Mesh grating MW 30/10

- galvanised steel, tough, corrosion-resistant
- recommended in exposed areas

Galvanised steel edge

- galvanised for a long service life
- clean and elegant connection for surrounding surfaces



www.say.bg/step-einbau-video

Box made of FILCOTEN® HPC

- smooth, highly homogeneous surface thanks to FILCOTEN® HPC (High Performance Concrete)
- surface affords easy cleaning

Outlet

Infiltration or sewer connection DN 100

Your benefits at a glance:

- ensures clean entrances with mesh grating, ribbed or rubber mat
- firm fit, no slipping when scraping shoes
- very easy to handle, perfect for self-installation
- three different sizes are available

Areas of application:

- front entrance
- garden and landscape construction

From **outstanding** **lightness** comes greater **stability.**

Robust, dimensionally stable and yet still light enough for landscaping; that is BG-FILCOTEN® light. Our compact and cost-effective channel system for versatile applications offers you all of the advantages of FILCOTEN® HPC (High Performance Concrete) material. Suitable for laying paving stones, tiles as well as other surfaces and durable up to class C 250 (in acc. with EN 1433). The BG-FILCOTEN® light mini system is a further option for shallower construction height scenarios.

Slot top cover

When the design is as important as the function, the slot top is your first choice. Surfaces, and with a slot width of 12.5 or 2x6 mm it can be perfectly fitted into the alignment of slots on the surface. Suitable for BG-FILCOTEN® light and tec channels.

Load class C 250

Smooth surface

Compared to conventional concrete, the FILCOTEN® HPC surface is more homogenous, and thus delivers the best flow properties and self-cleaning performance.

Safety joint

A sealable safety joint enables a tight, waterproof connection between the individual segments.



Download here:

Tender text, datasheets, DoP, installation guidelines, installation detail, product drawing, BIM data



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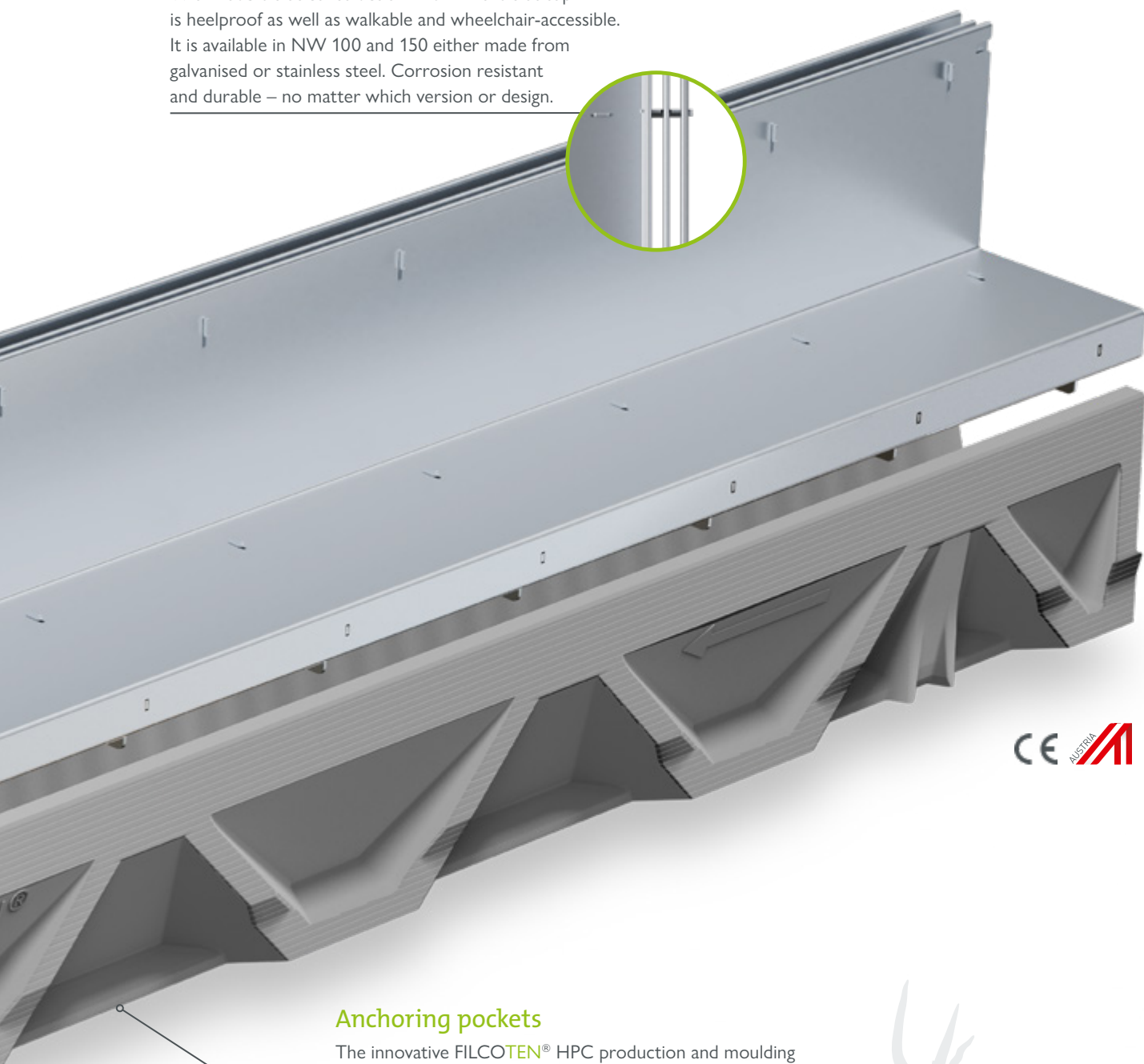
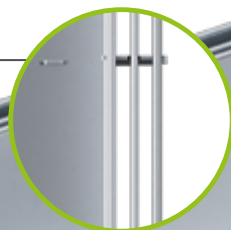


www.say.bg/en/light/download

Slot top – 2S heelproof



With double slot construction 2x6 mm the slot top is heelproof as well as walkable and wheelchair-accessible. It is available in NW 100 and 150 either made from galvanised or stainless steel. Corrosion resistant and durable – no matter which version or design.



Anchoring pockets

The innovative FILCOTEN[®] HPC production and moulding technology made it possible to design anchoring ribs for a concrete channel body for the very first time, thus ensuring an even better hold in the concrete bed.

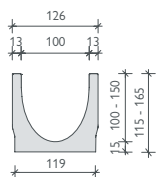
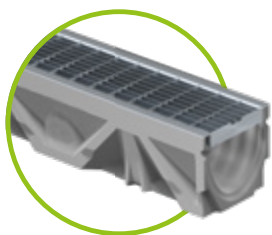
Areas of application:

- | | |
|-------------------------------------|----------------------|
| • house driveway | • pedestrian zones |
| • garage driveway | • bicycle paths |
| • garden and landscape construction | • parking area (car) |
| • terrace | • slot drainage |
| • sports facility | |

up to class C 250

BG-FILCOTEN[®]

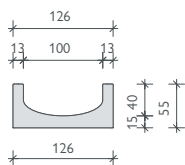
light



BG-FILCOTEN[®] light, NW 100

Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) up to class C, gratings lockable

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10311000	light NW 100, no. 0	0.0 %	10.7 kg	30	
10311050	light NW 100, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	7.2 kg	24	
10311061	light NW 100, no. 5-0	0.0 %	13.4 kg	24	
10311051	light NW 100, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	8.7 kg	24	
10311062	light NW 100, no. 10-0	0.0 %	16.0 kg	24	
10311052	light NW 100, no. 10-0, L = 500 mm, for drilling ²⁾	0.0 %	9.7 kg	24	
10311070	light NW 101, no. 0, with outlet opening DN 100	0.0 %	10.3 kg	30	
10311071	light NW 101, no. 5-0, with outlet opening DN 100	0.0 %	13.0 kg	24	
10311072	light NW 101, no. 10-0, with outlet opening DN 100	0.0 %	15.6 kg	24	
10311001-10	light NW 100, no. 1 to no. 10	0.5 %	11.1-15.5 kg	24	



BG-FILCOTEN[®] light mini, NW 100

Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) with a very low construction height up to class C

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10110000	light mini NW 100, H = 55 mm	0.0 %	7.7 kg	70	
10110070	light mini NW 101, H = 55 mm, with outlet opening DN 100	0.0 %	7.4 kg	70	

Channel body with outlet opening

The position of the outlet opening to the bottom and/or the lateral drill-hole (left/right) can be freely selected for L = 500 mm channels.

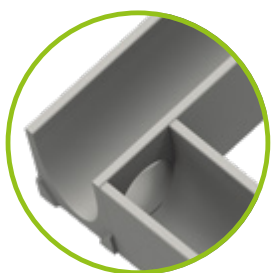
Maximum lateral drilling diameters:

- for NW 100 no. 0 Ø 55 mm
- for NW 100 no. 5-0 and 10-0 Ø 86 mm
- for NW 150 no. 0 Ø 102 mm
- for NW 150 no. 5-0 and 10-0 Ø 130 mm
- for NW 200 no. 0 Ø 130 mm
- for NW 200 no. 5-0 and 10-0 Ø 180 mm

T- or cross-pieces can be produced easily and quickly.



For questions, please contact our technical support team.



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¹⁾ Delivery time on request.

²⁾ Lateral and/or vertical drill-hole, see picture on page 26.

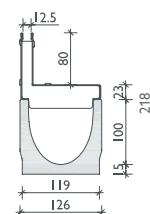
³⁾ If the lower part is not used, threaded rods and nuts must be provided by the customer.

⁴⁾ Not supplied with the maintenance unit; must be ordered separately if required.

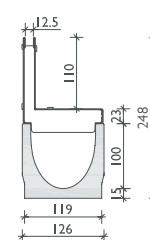
Gratings and accessories

for BG-FILCOTEN® light and light mini, NW 100

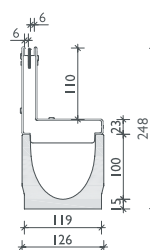
Item no.	Gratings	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17010200	light slotted grating, 1000/124/2, SVV 8/80	A 15	1.6 kg	240	
17010201	light slotted grating, 500/124/2, SVV 8/80	A 15	0.8 kg	48	
17010300	light slotted grating, 1000/124/2, SVV 8/80, stainless steel ¹⁾	A 15	1.6 kg	240	
17010301	light slotted grating, 500/124/2, SVV 8/80, stainless steel ¹⁾	A 15	0.8 kg	48	
17010210	light mesh grating, 1000/124/2, MW 30/10	car accessible	2.6 kg	180	
17010211	light mesh grating, 500/124/2, MW 30/10	car accessible	1.3 kg	48	
17010310	light mesh grating, 1000/124/2, MW 30/10, stainless steel ¹⁾	car accessible	2.6 kg	180	
17010311	light mesh grating, 500/124/2, MW 30/10, stainless steel ¹⁾	car accessible	1.3 kg	48	
17010100	light ductile iron mesh grating, 500/124/5, MW 15/25	C 250	2.6 kg	240	
17010100KTL	light ductile iron mesh grating, 500/124/5, MW 15/25, KTL-coated	C 250	2.6 kg	240	
Item no.	BG-FILCOTEN® slot tops V asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17110237	Slot top V NW 100, 1000/123/103, SH 80, SW 12.5 mm	B 125	4.4 kg	48	
17110238	Slot top V NW 100, 500/123/103, SH 80, SW 12.5 mm	B 125	2.2 kg	24	
17110297	Maintenance unit V NW 100, 500/123/103, SH 80, SW 12.5 mm	B 125	4.1 kg	24	
17110243	Slot top V NW 100, 1000/123/133, SH 110, SW 12.5 mm	C 250	5.4 kg	36	
17110244	Slot top V NW 100, 500/123/133, SH 110, SW 12.5 mm	C 250	2.7 kg	24	
17110281	Maintenance unit V NW 100, 500/123/133, SH 110, SW 12.5 mm	C 250	5.0 kg	24	
17111204	Slot top 2S, heelproof V NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250	5.8 kg	36	
17111205	Slot top 2S, heelproof V NW 100, 500/123/133, SH 110, SW 2x6mm	C 250	3.0 kg	24	
17111206	Maintenance unit 2S, heelproof V NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	5.3 kg	24	
37962	Construction time cover for slot top SVV 12.5 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg		
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic ⁴⁾		0.1 kg		
Item no.	BG-FILCOTEN® slot tops E asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17110329	Slot top E NW 100, asymmetric, SW 10, 1000/123, SH 50	A 15	2.0 kg	36	
17110330	Slot top E NW 100, asymmetric, SW 10, 500/123, SH 50	A 15	1.0 kg	72	
17110391	Maintenance unit E NW 100, asymmetric, SW 10, 500/123/75, SH 50	A 15	1.5 kg	20	
17110337	Slot top E NW 100, 1000/123/103, SH 80, SW 12.5 mm	B 125	4.4 kg	48	
17110338	Slot top E NW 100, 500/123/103, SH 80, SW 12.5 mm	B 125	2.2 kg	24	
17110397	Maintenance unit E NW 100, 500/123/103, SH 80, SW 12.5 mm	B 125	4.1 kg	24	
17110343	Slot top E NW 100, 1000/123/133, SH 110, SW 12.5 mm	C 250	5.4 kg	36	
17110344	Slot top E NW 100, 500/123/133, SH 110, SW 12.5 mm	C 250	2.7 kg	24	
17110381	Maintenance unit E NW 100, 500/123/133, SH 110, SW 12.5 mm	C 250	5.0 kg	24	
17111310	Slot top 2S, heelproof E NW 100, 1000/123/103, SH 80, SW 2x6 mm	B 125	5.0 kg	48	
17111311	Slot top 2S, heelproof E NW 100, 500/123/103, SH 80, SW 2x6 mm	B 125	2.5 kg	24	
17111312	Maintenance unit 2S, heelproof E NW 100, 500/123/103, SH 80, SW 2x6 mm	B 125	4.3 kg	24	
17111304	Slot top 2S, heelproof E NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250	5.8 kg	36	
17111305	Slot top 2S, heelproof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	3.0 kg	24	
17111306	Maintenance unit 2S, heelproof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	5.3 kg	24	
17111307	Slot top 3S, heelproof E NW 100, 1000/123/133, SH 110, SW 3x6 mm	C 250	6.5 kg	36	
17111308	Slot top 3S, heelproof E NW 100, 500/123/133, SH 110, SW 3x6 mm	C 250	3.3 kg	24	
17111309	Maintenance unit 3S, heelproof E NW 100, 500/123/133, SH 110, SW 3x6 mm	C 250	5.6 kg	24	
37962	Construction time cover for slot top SVV 12.5 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg		
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic ⁴⁾		0.1 kg		
Item no.	Accessories	Material	Weight	Pc./Pallet	Euro/pc.
10310094	light sump unit, 500/140/500 incl. pipe coupling DN 100 and plastic silt bucket	FILCOTEN® HPC	25.1 kg	10	
30056	Odour trap for sump unit for backfitting DN 100	plastic	0.1 kg		
30019	Odour trap for outlet opening DN 100	plastic	0.2 kg		
19010401	light front cap, without socket, closed	plastic	0.1 kg		
19010400	light front/end cap with outlet DN 100	plastic	0.1 kg		
19010230	light front cap	galvanised	0.3 kg		
19010200	light mini front cap	galvanised	0.1 kg		
19010300	light mini front cap ¹⁾	stainless steel	0.1 kg		
19015926	SET installation supports, size 1, lower section, including nuts ³⁾	galvanised	1.1 kg		
19000401	SET installation chair upper section, universal NW 100 – 300, incl. retaining screws	plastic	0.6 kg		
32080	light interlocking clip for mesh grating	galvanised	0.1 kg		
32067	light interlocking clip for ductile iron mesh grating	painted black	0.1 kg		
32068	light interlocking bracket (bolted) for ductile iron mesh grating	painted black	0.1 kg		



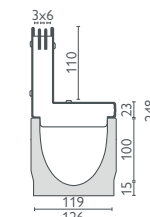
Slot top SW 12.5 class B



Slot top SW 12.5 class C



Slot top 2S, heelproof SW 2x6, class C



Slot top 3S, heelproof SW 3x6, class C



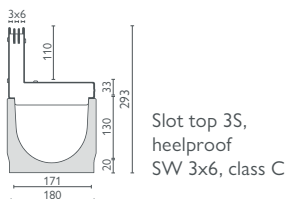
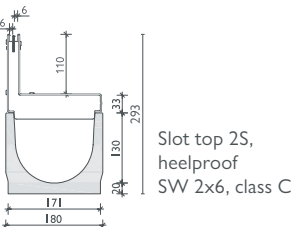
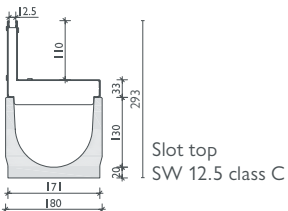
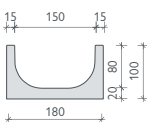
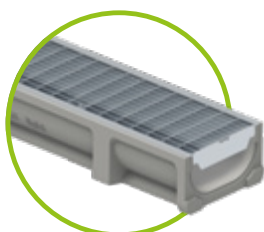
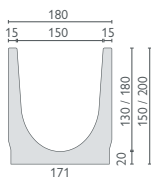
The retaining spring in the ductile iron mesh grating ensures securely holds the cover in the channel body.



Slot tops symmetric, for load class D 400 or special parts on request. Installation guidelines at www.bg-graspointner.com

up to class C 250

BG-FILCOTEN® light



BG-FILCOTEN® light, NW 150

Drainage channel made of FILCOTEN® HPC (High Performance Concrete) up to class C, gratings lockable

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10315000	light NW 150, no. 0	0.0 %	20.6 kg	20	
10315050	light NW 150, no. 0, L = 500 mm, for drilling	0.0 %	10.3 kg	16	
10315062	light NW 150, no. 10-0	0.0 %	26.2 kg	12	
10315052	light NW 150, no. 10-0, L = 500 mm, for drilling	0.0 %	13.1 kg	16	
10315070	light NW 151, no. 0, with outlet opening DN 150	0.0 %	19.9 kg	20	
10315072	light NW 151, no. 10-0, with outlet opening DN 150	0.0 %	25.5 kg	12	

BG-FILCOTEN® light mini, NW 150

Drainage channel made of FILCOTEN® HPC (High Performance Concrete)

with a very low construction height up to class C

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10115000	light mini NW 150, H = 100 mm	0.0 %	16.8 kg	32	
10115070	light mini NW 151, H = 100 mm, with outlet opening DN 100	0.0 %	16.2 kg	32	

Gratings and accessories

for BG-FILCOTEN® light and light mini, NW 150

Item no.	Gratings	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17015200	light slotted grating, 1000/178/3, SVW 8/130	A 15	2.5 kg	128	
17015201	light slotted grating, 500/178/3, SVW 8/130	A 15	1.3 kg	48	
17015210	light mesh grating, 1000/178/2, MW 30/10	car accessible	4.6 kg	100	
17015211	light mesh grating, 500/178/2, MW 30/10	car accessible	2.3 kg	48	
17015100	light ductile iron mesh grating, 500/178/7, MW 15/28	C 250	4.6 kg	200	
Item no.	BG-FILCOTEN® slot tops V asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17115243	Slot top V NW 150, 1000/173/143, SH 110, SW 12.5 mm	C 250	6.7 kg	24	
17115244	Slot top V NW 150, 500/173/143, SH 110, SW 12.5 mm	C 250	3.3 kg	16	
17115281	Maintenance unit V NW 150, 500/173/143, SH 110, SW 12.5 mm	C 250	5.9 kg	16	
17116204	Slot top 2S, heelproof V NW 150, 1000/173/143, SH 110, SW 2x6 mm	C 250	7.0 kg	24	
17116205	Slot top 2S, heelproof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250	3.5 kg	16	
17116206	Maintenance unit 2S, heelproof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250	6.1 kg	16	
37962	Construction time barrier for slot top SW 12 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg		
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic ³⁾		0.1 kg		
Item no.	BG-FILCOTEN® slot tops E asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17115343	Slot top E NW 150, 1000/173/143, SH 110, SW 12.5 mm	C 250	6.7 kg	24	
17115344	Slot top E NW 150, 500/173/143, SH 110, SW 12.5 mm	C 250	3.3 kg	16	
17115381	Maintenance unit E NW 150, 500/173/143, SH 110, SW 12.5 mm	C 250	5.9 kg	16	
17116304	Slot top 2S, heelproof E NW 150, 1000/173/143, SH 110, SW 2x6mm ¹⁾	C 250	7.0 kg	24	
17116305	Slot top 2S, heelproof E NW 150, 500/173/143, SH 110, SW 2x6mm ¹⁾	C 250	3.5 kg	16	
17116306	Maintenance unit 2S, heelproof, E NW 150, 500/173/143, SH110, SW 2x6mm ¹⁾	C 250	6.1 kg	16	
17116307	Slot top 3S, heelproof E NW 150, 1000/173/143, SH 110, SW 3x6 mm ¹⁾	C 250	7.7 kg	24	
17116308	Slot top 3S, heelproof E NW 150, 500/173/143, SH110, SW 3x6 mm ¹⁾	C 250	3.9 kg	16	
17116309	Maintenance unit 3S, heelproof, E NW 150, 500/173/143, SH 110, SW 3x6 mm ¹⁾	C 250	6.5 kg	16	
37962	Construction time barrier for slot top SW 12 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg		
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic ³⁾		0.1 kg		
Item no.	Accessories	Material	Weight	Pc./Pallet	Euro/pc.
10315092	light sump unit, 500/195/650 incl. pipe coupling DN 150 and plastic silt bucket	FILCOTEN® HPC	45.3 kg	8	
30057	Odour trap for sump unit for backfitting DN 150	plastic	0.2 kg		
19015230	light front/end cap	galvanised	0.5 kg		
19015232	light front/end cap with outlet DN 100	galvanised	0.4 kg		
19015330	light front/end cap ¹⁾	stainless steel	0.5 kg		
19015332	light front/end cap with outlet DN 100 ¹⁾	stainless steel	0.4 kg		
19015200	light mini front/end cap	galvanised	0.3 kg		
19015300	light mini front/end cap ¹⁾	stainless steel	0.3 kg		
19020926	SET installation supports, size 2, lower section, including nuts ²⁾	galvanised	1.2 kg		
19000401	SET installation chair upper section, universal NW 100 – 300, incl. retaining screws	plastic	0.6 kg		
32080	light interlocking clip for mesh grating	galvanised	0.1 kg		
32067	light interlocking clip for ductile iron mesh grating	painted black	0.1 kg		
32068	light interlocking bracket (bolted) for ductile iron mesh grating	painted black	0.1 kg		



Slot tops, symmetric, for load class D 400 as well as special slot tops on request. Installation guidelines at www.bg-graspointner.com



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¹⁾ Delivery time on request.

²⁾ If the lower part is not used, threaded rods and nuts must be provided by the customer.

³⁾ Not supplied with the maintenance unit; must be ordered separately if required.

References

BG-FILCOTEN®



up to class C 250

NEW

BG-FILCOTEN® light



BG-FILCOTEN® light, NW 200

Drainage channel made of FILCOTEN® HPC (High Performance Concrete) up to class C, gratings lockable

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10320000	light NW 200, no. 0	0.0 %	37.2 kg	9	
10320050	light NW 200, no. 0, L = 500 mm	0.0 %	18.6 kg	9	
10320070	light NW 201, no. 0, with outlet opening DN 200	0.0 %	34.8 kg	12	

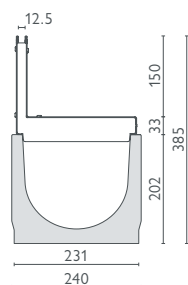
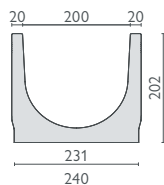
Gratings and accessories

for BG-FILCOTEN® light, NW 200

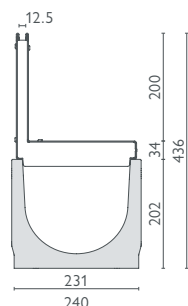
Item no.	Gratings	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17020100	light ductile iron mesh grating, 500/228/27, MW 15/30	C 250	7.8 kg	98	
Item no.	BG-FILCOTEN® slot tops V asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17120243	Slot top V NW 200, 1000/223/183, SH 150, SW 12.5 mm	C 250	8.9 kg	18	
17120244	Slot top V NW 200, 500/223/183, SH 150, SW 12.5 mm	C 250	4.5 kg	12	
17120281	Maintenance unit V NW 200, 500/223/183, SH 150, SW 12.5 mm	C 250	8.3 kg	6	
17120245	Slot top V NW 200, 1000/223/234, SH 200, SW 12.5 mm	D 400	13.6 kg	12	
17120246	Slot top V NW 200, 500/223/234, SH 200, SW 12.5 mm	D 400	7.8 kg	12	
17120247	Maintenance unit V NW 200, 500/223/234, SH 200, SW 12.5 mm	D 400	12.4 kg	6	
Item no.	BG-FILCOTEN® slot tops E asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17120343	Slot top E NW 200, 1000/223/183, SH 150, SW 12.5 mm	C 250	9.2 kg	18	
17120344	Slot top E NW 200, 500/223/183, SH 150, SW 12.5 mm	C 250	4.6 kg	12	
17120381	Maintenance unit E NW 200, 500/223/183, SH 150, SW 12.5 mm	C 250	8.4 kg	6	
17120345	Slot top E NW 200, 1000/223/234, SH 200, SW 12.5 mm	D 400	14.0 kg	12	
17120346	Slot top E NW 200, 500/223/234, SH 200, SW 12.5 mm	D 400	7.0 kg	12	
17120347	Maintenance unit E NW 200, 500/223/234, SH 200, SW 12.5 mm	D 400	12.6 kg	6	
Item no.	Accessories	Material	Weight	Pc./Pallet	Euro/pc.
10320092	SET light sump unit, 500/240/650 incl. pipe coupling DN 200 and plastic silt bucket	FILCOTEN® HPC	51.8 kg	6	
19020230	light front cap	galvanised	0.8 kg		
19020232	light end cap with DN 150 outlet	galvanised	0.5 kg		
19020330	light front cap ¹⁾	stainless steel	0.8 kg		
19020332	light end cap with DN 150 outlet ¹⁾	stainless steel	0.5 kg		
19020926	SET installation supports, size 2, lower section, including nuts	galvanised	1.2 kg		
19000401	SET installation chair upper section, universal NW 100 – 300, incl. retaining screws	plastic	0.6 kg		



Slot tops, symmetric, for load class D 400 as well as special slot tops on request. Installation guidelines at www.bg-graspointner.com

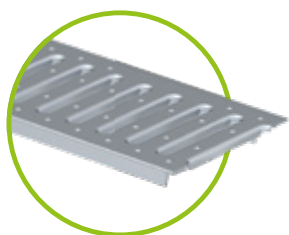


Slot top SW 12.5 mm
SH 150 class C



Slot top SW 12.5 mm
SH 200 class D

Gratings: BG-FILCOTEN® light and light mini, NW 100, 150 and 200



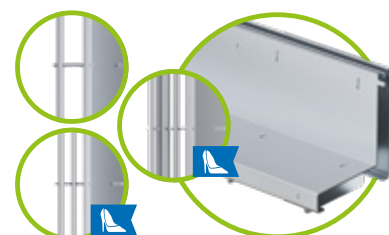
Slotted grating NW 100 SW 8/80,
class A, galvanised and
stainless steel
Slotted grating NW 150 SW 8/130,
class A, galvanised



Mesh grating
MW 30/10, accessible by car
NW 100 galvanised and stainless steel /
NW 150 galvanised only



Ductile iron mesh grating, class C
MW 15/25 for NW 100
MW 15/28 for NW 150
MW 15/30 for NW 200



Slot top
SW 12.5 mm, cl. B, NW 100, V & E
SW 12.5 mm, class. C, NW 100 / 150 / 200, V & E
SW 12.5 mm, class. D, NW 200, V & E
2S, SW 2x6 mm, class B NW 100, E
2S, SW 2x6 mm C, NW 100 / 150, V & E
3S, SW 3x6 mm, class C, NW 100 / 150, E



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¹⁾ Delivery time on request.

References

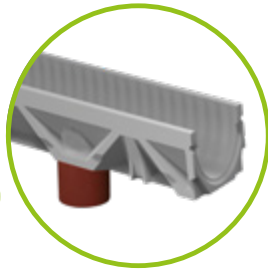
BG-FILCOTEN®



BG-FILCOTEN[®] light



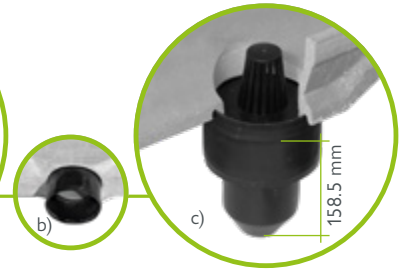
Prefabricated outlet opening DN 100 (NW 100) or DN 150 (NW 150)



Drainpipe, made of PVC sewer pipe installed on site



a) Odour trap for bottom outlet consisting of 3 parts
b) Outlet pipe has to be put into outlet opening before mounting the channel



c) The two remaining parts complete the odour trap (only for NW 100)!

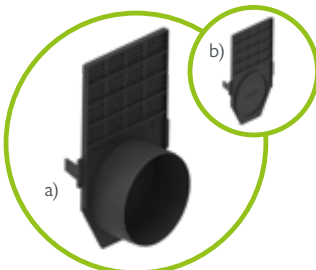
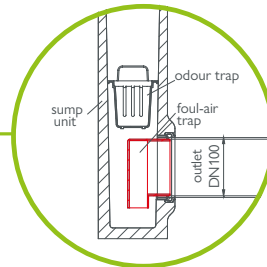
i Positioning of outlet opening: Channel end to outlet opening centre = 250 mm



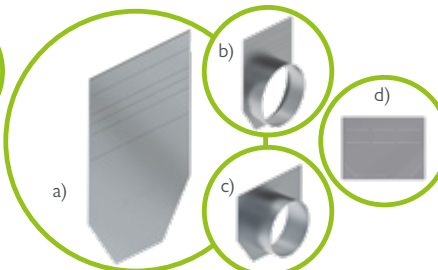
light sump unit
L = 500 mm, incl. silt bucket made of plastic, to fit NW



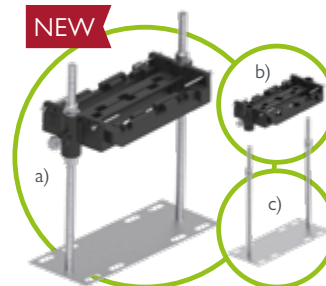
Odour trap for sump unit for retrofitting DN 100/150
Installation: Insert the odour trap from the inside and connect with the sewage pipe.



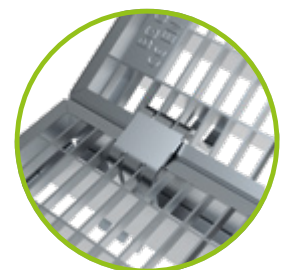
a) Plastic front cap NW 100 with outlet
b) Plastic front cap NW 100 closed



a) Front cap NW 100 and NW 150
b) End cap NW 150 with outlet DN 150
c) End cap mini NW 150 with outlet DN 100
d) Mini front cap



Installation supports to fit NW made of plastic and/or galvanised steel ¹⁾
a) Top part set + lower part set
b) Top part set incl. bolts
c) Lower part set incl. nuts



Locking mechanism of the mesh gratings with interlocking clip



Interlocking clips for Ductile iron mesh gratings



Interlocking clip for mesh gratings



Interlocking bracket (bolted) for ductile iron mesh gratings



Sealing system suitable for all channels with safety joint

BG-FILCOTEN® slot top covering

Slot tops are particularly suitable for architecturally challenging surfaces in which the design is just as important as the function.

The narrow slot width of 12.5 mm and/or 2 x 6 mm and 3 x 6 mm on our heelproof versions with double and/or triple slot means that they can be perfectly fitted into the alignment of slots on the surface.

Throughout the construction period, the construction time cover and/or the cover tape should remain in the slot top as this prevents deformation and contamination of the system.

The maintenance units are integrated into the channel thread. This does not damage the visuals of the thread profile.

The recessed cover of the maintenance unit can be quickly and easily removed for cleaning purposes using lifting grips.



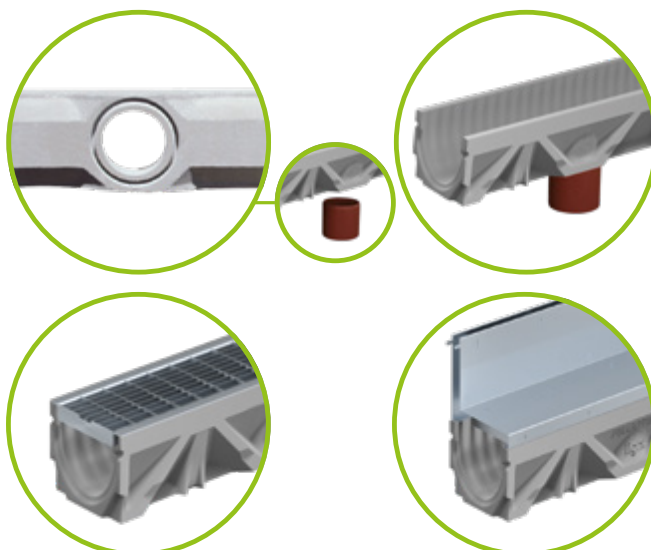
In-/Outlet cross-section

If channel runs have a line length of more than 2 meters, the water flows off just as well with a slot top as with a classic cover.

The reason:

The inlet cross-section of the slot top is – as with the inlet cross-section of a classic cover – larger than the flow cross-section of the connected sewer pipe.

The amount of draining water is limited by the drainpipe and not by the inlet cross sections of the cover.



Rocks ^{the} parking facility like none before.

The conditions inside a multi-storey car park pose very different challenges for drainage systems. In the BG-FILCOTEN® parkline, a channel has been created to cope with these conditions like no other.

This is all made possible by the FILCOTEN® HPC (High Performance Concrete).

A modern, high-performance mineral concrete that makes a highly-developed structure possible and which gives the channel a wealth of positive features in a multi-storey car park.

The best drainage performance, with maximum efficiency.

Alongside optimized drainage performance, the parkline system also offers a variety of properties for entirely new opportunities for increasing efficiency, both during installation and in day to day use.



Intelligent drain cover

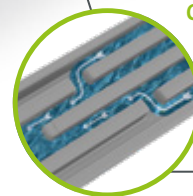
- stainless steel drain cover
- can easily be removed for cleaning
- functions as a sturdy walkway bridge



System representation: BG-FILCOTEN® parkline NW 150, BH 35

Drainage-optimized channel body

The draining water is channeled into the drain in the center via the two branch channels.



bottom outlet

DN 100 (drainpipe, required on-site)

Comb profile

- suitable for wheelchairs
- slot width of 12.5 mm, 17 mm or 18 mm, based on the requirements of EN 1433
- almost no height difference from the surrounding roadway



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¹⁾ No use of synthetic resins.

Innovative connecting element

- allows for a wide variety of combinations for channel runs (cross, T/L connection)
- made entirely from FILCOTEN[®] HPC, high stability
- efficient water conductivity thanks to intelligent construction

Perfectly engineered sealing joint

- sealable butt joint, easily accessible and inspectable
- in line with EN 1433
- in order to create a sealed system and connect with the surface coating system, a seal should be made below the parkline elements.

Verified LCA (life cycle assessment)

- low greenhouse gas emission levels
- manufactured using 100% green energy
- resource-efficient manufacturing process

Load class C 250

Installation height/width

available in three versions:
H = 35 mm / W = 150 mm
H = 50 mm / W = 150 mm
H = 50 mm / W = 300 mm

Perfect for renovations.

- can be applied regardless of previously used systems owing to the flat construction
- installation in existing recesses

Areas of application:

- parking garage
- parking deck
- underground car park

Perfect fit

Side fixing pouches reinforce the firm fit in the concrete bed and ensure additional stability.

Very quiet

- the even cross-section & monolithic construction prevents noise when driven over
- no complaints from residents about rattling gratings

Powerful connection

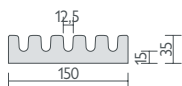
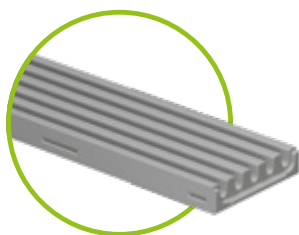
The coefficient of expansion for FILCOTEN[®] HPC is identical to that of concrete, meaning that the material is perfectly suited to ensuring a long-term, firm fit.



up to class C 250

BG-FILCOTEN[®]

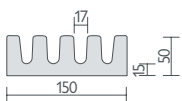
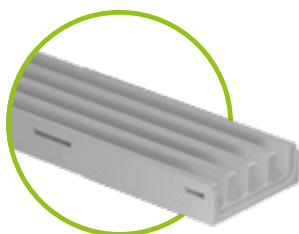
parkline



BG-FILCOTEN[®] parkline, NW 150 – CH 35 mm

Channel made of FILCOTEN[®] HPC (High Performance Concrete) up to class C, capacity: 1.1 l/m

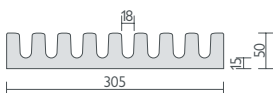
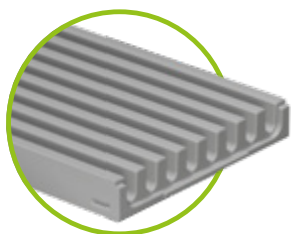
Item no.	Channel body	Slope	Weight	Pcs./Pallet	Euro/pc.
12515005	parkline 150, H = 35 mm, SW 12.5 mm	0.0 %	9.2 kg	80	
12515075	parkline 151, H = 35 mm, SW 12.5 mm, with outlet opening DN 100	0.0 %	8.9 kg	80	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
14140000	Sump pit 440/440/500 ²⁾	FILCOTEN [®] HPC	51.5 kg	8	
12515084	Cross corner element, 150/150/35 mm, H = 35 mm, SW 12.5 mm	FILCOTEN [®] HPC	1.3 kg		
12515383	Drain cover, double bridge	stainless steel	0.2 kg		
12515385	Front cap	stainless steel	0.1 kg		
19015926	SET installation supports, size 1, lower section, including nuts ¹⁾	galvanised	1.1 kg		
19000401	SET install. chair upper section, univ. NW 100 – 300, incl. retaining screws	plastic	0.6 kg		
12515291	Construction time cover, 1000/150/14 mm	galvanised	1.5 kg		
12515392	Cleaning rake (without handle)	stainless steel	0.3 kg		



BG-FILCOTEN[®] parkline, NW 150 – CH 50 mm

Channel made of FILCOTEN[®] HPC (High Performance Concrete) up to class C, capacity: 2.0 l/m

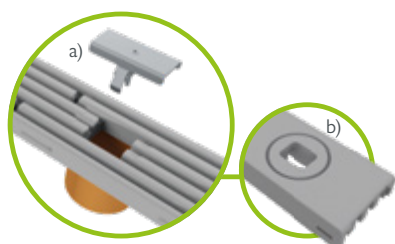
Item no.	Channel body	Slope	Weight	Pcs./Pallet	Euro/pc.
12515001	parkline 150, H = 50 mm, SW 17 mm	0.0 %	11.9 kg	60	
12515071	parkline 151, H = 50 mm, SW 17 mm, with outlet opening DN 100	0.0 %	11.6 kg	60	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
14140000	Sump pit 440/440/500 ²⁾	FILCOTEN [®] HPC	51.5 kg	8	
12515081	Cross corner element, 150/150/50 mm, H = 50 mm, SW 17 mm	FILCOTEN [®] HPC	1.8 kg		
12515384	Drain cover	stainless steel	0.1 kg		
12515386	Front cap	stainless steel	0.1 kg		
19015926	SET installation supports, size 1, lower section, including nuts ¹⁾	galvanised	1.1 kg		
19000401	SET install. chair upper section, univ. NW 100 – 300, incl. retaining screws	plastic	0.6 kg		
12515292	Construction time cover, 1000/150/14 mm	galvanised	1.3 kg		
12515391	Cleaning rake (without handle)	stainless steel	0.2 kg		



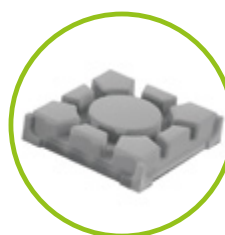
BG-FILCOTEN[®] parkline, NW 300 – CH 50 mm

Channel made of FILCOTEN[®] HPC (High Performance Concrete) up to class C, capacity: 4.5 l/m

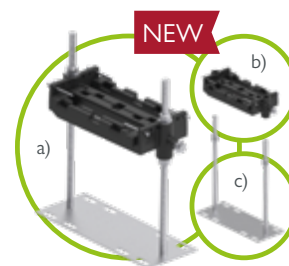
Item no.	Channel body	Slope	Weight	Pcs./Pallet	Euro/pc.
12530000	parkline 300, H = 50 mm, SW 18 mm	0.0 %	25.3 kg	30	
12530070	parkline 301, H = 50 mm, SW 18 mm, with outlet opening DN 100	0.0 %	25.0 kg	30	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
14140000	Sump pit 440/440/500 ²⁾	FILCOTEN [®] HPC	51.5 kg	8	
12530080	Cross corner element, 300/300/50 mm, H = 50 mm, SW 18 mm	FILCOTEN [®] HPC	7.6 kg		
12515384	Drain cover	stainless steel	0.1 kg		
12530386	Front cap	stainless steel	0.1 kg		
19030926	SET installation supports, size 3, lower section, including nuts ¹⁾	galvanised	1.4 kg		
19000401	SET install. chair upper section, univ. NW 100 – 300, incl. retaining screws	plastic	0.6 kg		
12530291	Construction time cover, 1000/300/20 mm	galvanised	2.8 kg		
12530390	Cleaning rake (without handle)	stainless steel	0.5 kg		



a) Drain cover
made of stainless steel
b) Outlet opening



Cross element
from FILCOTEN[®] HPC for
easy creation of train
crossings



Installation supports to fit NW
made of plastic and/or
galvanised steel
a) Top part set + lower part set
b) Top part set incl. bolts
c) Lower part set incl. nuts



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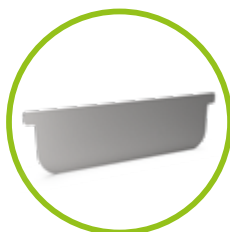
¹⁾ If the lower part is not used, threaded rods and nuts must be provided by the customer.

²⁾ Details to BG-FILCOTEN[®] spot-p sump pit see on page 38 and 39.

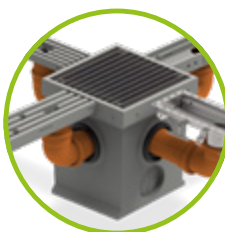
References



Construction time cover
to fit nominal width
made of galvanised steel



Front cap
made of stainless steel

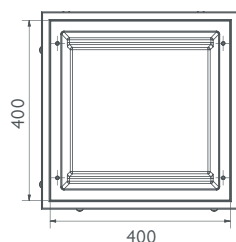
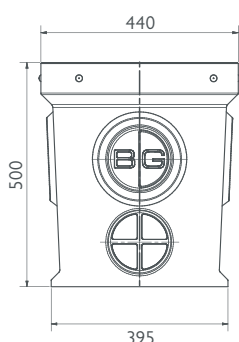
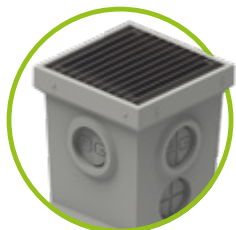


BG-FILCOTEN® spot-p



up to class C 250

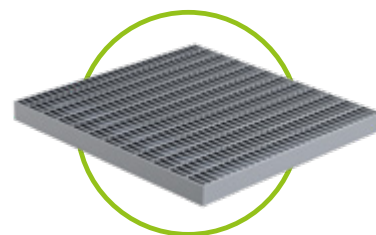
BG-FILCOTEN[®] spot-p sump pit



BG-FILCOTEN[®] spot-p

Sump pit made of FILCOTEN[®] HPC (High Performance Concrete) incl. preformed in- and outlet opening with forsheda-sealings

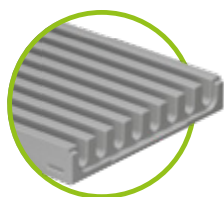
Item no.	Sump pit made of FILCOTEN [®] HPC	Material	Weight	Pcs./Pallet	Euro/pc.
14140000	spot-p 440/440/500	FILCOTEN [®] HPC	51.5 kg	8	
Item no.	Gratings	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17540201	spot-p mesh grating, 400/400/30, MW 30/30, galvanised	car accessible	3.3 kg	50	
20700301	spot-p mesh grating, 400/400/30, MW 30/10, stainless steel	B 125	10.0 kg	50	
20700302	spot-p mesh grating, 400/400/30, MW 30/10, stainless steel	C 250	11.8 kg	50	
Item no.	Accessories	Material	Weight	Pc./Pallet	Euro/pc.
30033	Additional charge for 1 drilling in sump pit DN 100 (Ø 138 mm)				
31310	Forsheda sealing DN 100	elastomer	0.4 kg		
32108	Fixing bolt M 8x25 (quantity: 4 pcs. per grating)	stainless steel			



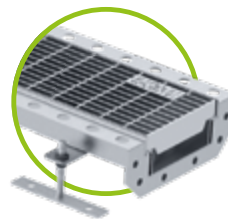
BG-FILCOTEN[®] spot-p sump pit
made of FILCOTEN[®] HPC with preformed part
(Ø 138 mm) for a Forsheda sealing DN 100

Mesh grating MW 30/10, stainless steel

Suitable channel systems for BG-FILCOTEN[®] spot-p:



BG-FILCOTEN[®] parkline
element heights 35 and 50 mm
up to class C | page 34 – 37



BG-FLEX sigma tec
up to class C | page 164 – 167



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Sustainable innovation.

The **best choice** when a lot comes together in the **multi-storey car park.**

The BG-FILCOTEN® spot-p sump pit.

Made of innovative FILCOTEN® HPC, the BG-FILCOTEN® spot-p sump pit is the most tolerant component in our product range with its capacity to connect up to four different channels all at the same time.

Four connections, easy handling and maximum reliability.

Underground car parks, private garages, carports and workshops are the preferred terrain for the monolithically constructed BG-FILCOTEN® spot-p. With its 47-litre retention capacity, the spot-p feels very much at home here collecting surface water. The retained water can be quickly and easily pumped away: simply remove the grating, insert the pump, run the pump, done.

Innovative material

- made entirely of FILCOTEN® HPC
- sturdy, durable and lightweight

Three different gratings

- B 125 and C 250 grates, 4-point boltable, made of 1.4301 stainless steel
- car accessible, made of galvanised steel

Four connections

- connectable on up to 4 sides
- with drain option if required
- compatible with channel systems with a low construction height of up to 80 mm
- connects via a DN 100 PVC pipe elbow and Forsheda seal

Optional outlet

- drain option available for discharge into mineral oil separator

Your benefits at a glance:

- sturdy, lightweight and durable thanks to the FILCOTEN® HPC monolithic structure
- can connect up to four different channels
- easy to handle and maintain
- suitable for garages, carports, underground car parks and workshops

Areas of application:

- parking garage
- parking deck
- underground car park
- garage

Additional safety aspects for channel & grate.

The BG-FILCOTEN® tec channel system offers the superior characteristics of FILCOTEN® HPC (High Performance Concrete) and complements these with additional safety aspects. The anchoring ribs along the sides of the channel ensure it remains securely positioned in the concrete bed. The special design of the galvanised steel edging allows for the grating to easily and securely lock in place. Adjacent covering surfaces can easily be attached to the border of the edges. The BG-FILCOTEN® tec mini version is the shallower channel for limited height applications. The channel system is resilient up to class C 250 (in accordance with EN 1433).

up to class C 250

Perfect fit

Intelligently distributed anchoring points on both the inside and outside of the edge ensure that the edge bonds securely in the concrete.

Galvanised and stainless steel edge

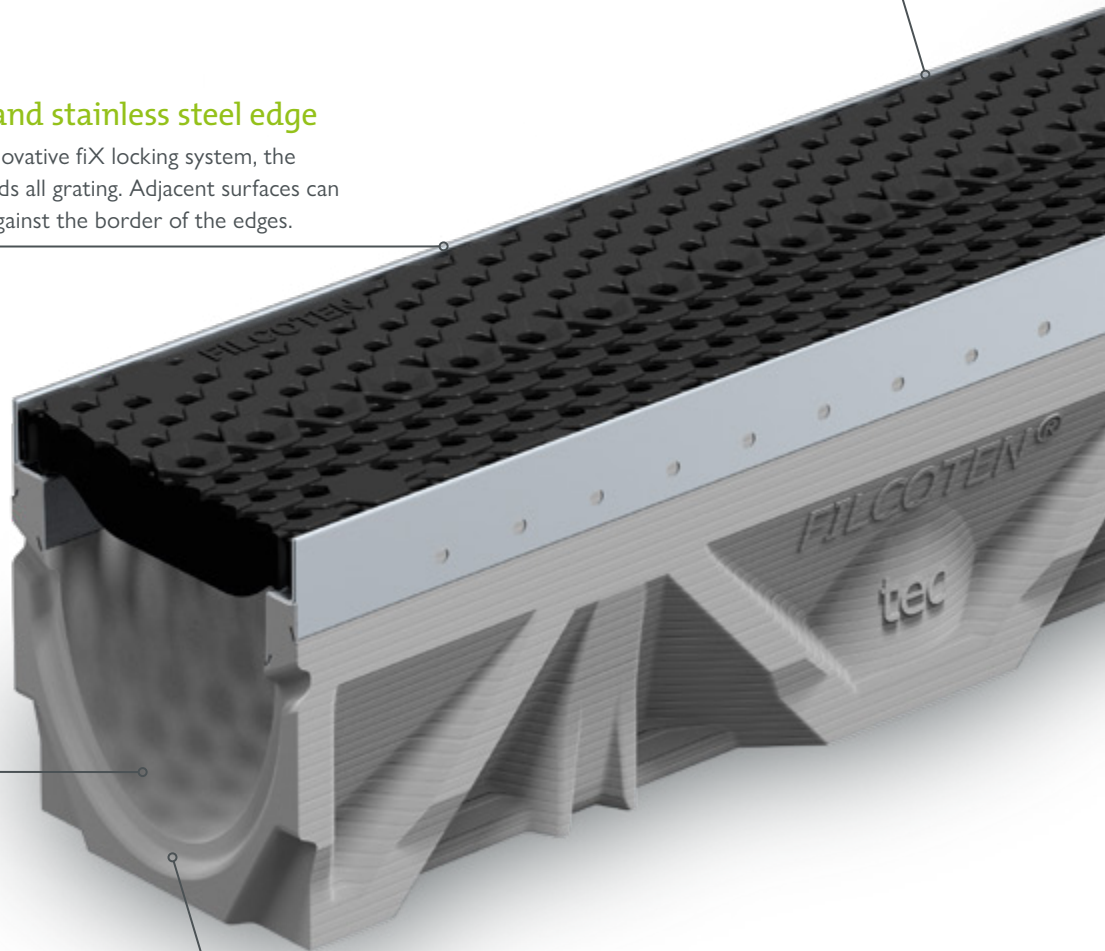
Thanks to the innovative fiX locking system, the edge securely holds all grating. Adjacent surfaces can easily be joined against the border of the edges.

Smooth surface

The FILCOTEN® HPC surface is more homogenous than that of concrete, and thus delivers the best flow properties and self-cleaning performance.

Safety joint

A sealable safety joint enables a tight, waterproof connection between the individual segments.

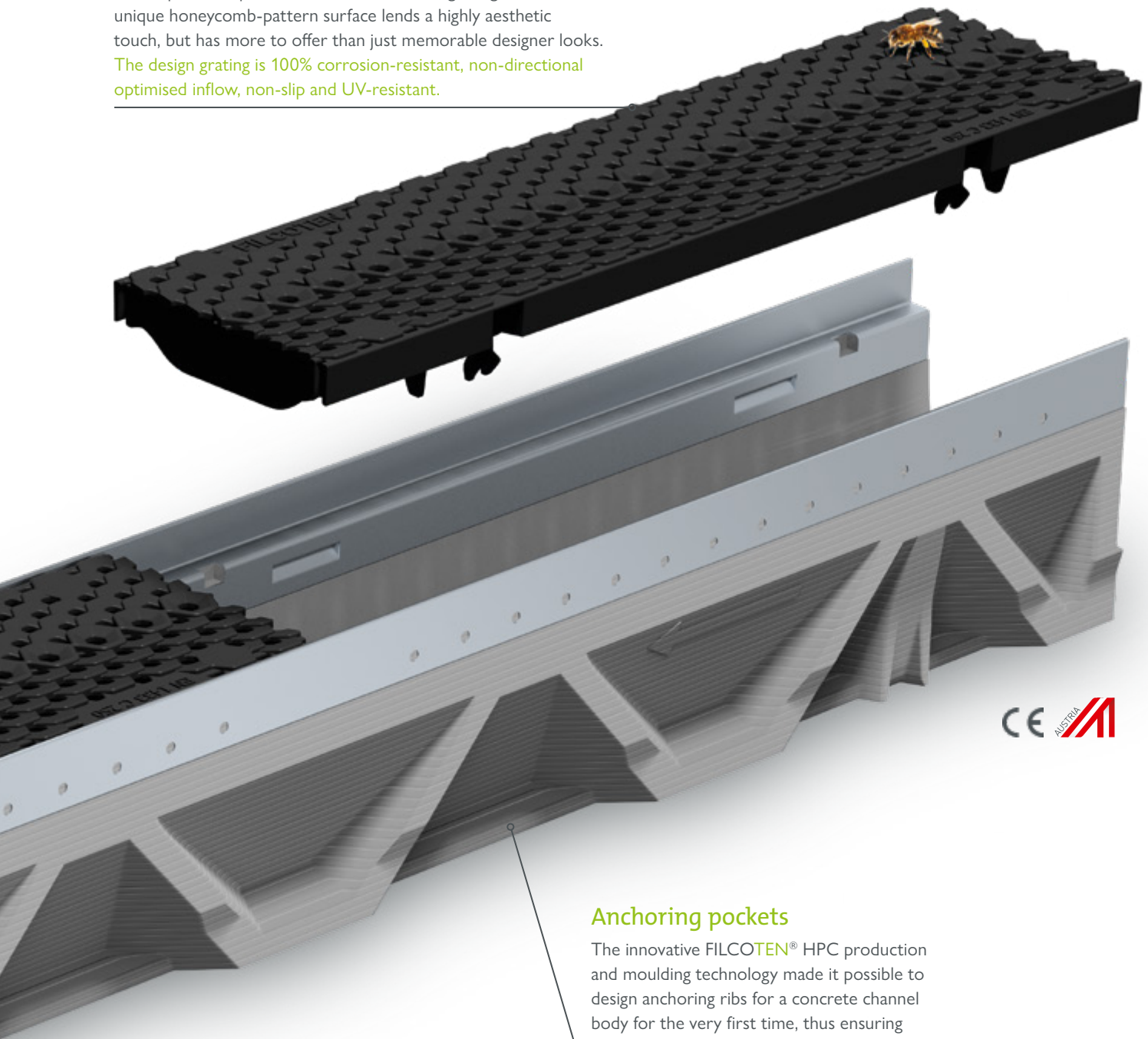


GRASPOINTNER
Sustainable innovation.

COMBee design grating

The COMBee designer grating is a very special creation by our Development department. This classic black grating with unique honeycomb-pattern surface lends a highly aesthetic touch, but has more to offer than just memorable designer looks.

The design grating is 100% corrosion-resistant, non-directional optimised inflow, non-slip and UV-resistant.



Anchoring pockets

The innovative FILCOTEN[®] HPC production and moulding technology made it possible to design anchoring ribs for a concrete channel body for the very first time, thus ensuring an even better hold in the concrete bed.

Download here:

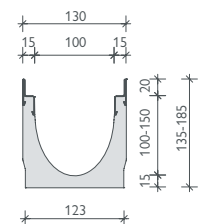
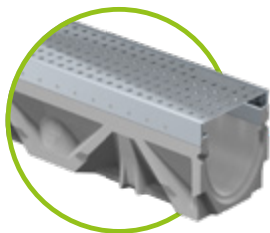
Tender text, datasheets, DoP, installation guidelines, installation detail, product drawing, BIM data



www.say.bg/en/tec/download

Areas of application:

- | | |
|-------------------------------------|----------------------|
| • house driveway | • pedestrian zones |
| • garden and landscape construction | • bicycle paths |
| • terrace | • parking area (car) |
| • sports facility | • slot drainage |

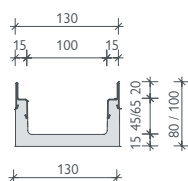
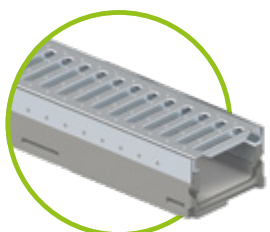


galvanised steel edge or stainless steel edge

BG-FILCOTEN[®] tec incl. edges, NW 100

Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) with integrated galvanised (V) or stainless steel edge (E), up to class C

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10410200	tec V NW 100, no. 0	0.0 %	13.4 kg	30	
10410250	tec V NW 100, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	6.6 kg	24	
10410261	tec V NW 100, no. 5-0	0.0 %	16.1 kg	25	
10410251	tec V NW 100, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	9.4 kg	24	
10410262	tec V NW 100, no. 10-0	0.0 %	18.7 kg	25	
10410270	tec V NW 101, no. 0, with outlet opening DN 100	0.0 %	13.1 kg	30	
10410271	tec V NW 101, no. 5-0, with outlet opening DN 100	0.0 %	15.8 kg	25	
10410272	tec V NW 101, no. 10-0, with outlet opening DN 100	0.0 %	18.4 kg	25	
10410201-10	tec V NW 100, no. 1 to no. 10	0.5 %	13.4-18.5 kg	25	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10410300	tec E NW 100, no. 0 ¹⁾	0.0 %	13.4 kg	30	
10410350	tec E NW 100, no. 0, L = 500 mm, for drilling ^{1) 2)}	0.0 %	6.6 kg	24	
10410361	tec E NW 100, no. 5-0 ¹⁾	0.0 %	16.1 kg	25	
10410351	tec E NW 100, no. 5-0, L = 500 mm, for drilling ^{1) 2)}	0.0 %	9.4 kg	24	
10410362	tec E NW 100, no. 10-0 ¹⁾	0.0 %	18.7 kg	25	
10410370	tec E NW 101, no. 0, with outlet opening DN 100 ¹⁾	0.0 %	13.1 kg	30	
10410371	tec E NW 101, no. 5-0, with outlet opening DN 100 ¹⁾	0.0 %	15.8 kg	25	
10410372	tec E NW 101, no. 10-0, with outlet opening DN 100 ¹⁾	0.0 %	18.4 kg	25	
10410301-10	tec E NW 100, no. 1 to no. 10 ¹⁾	0.5 %	13.4-18.5 kg	25	



galvanised steel edge or stainless steel edge

BG-FILCOTEN[®] tec mini incl. edges, NW 100

Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) with integrated galvanised (V) or stainless steel edge (E) up to class C – very low construction height

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10210201	tec V mini NW 100, H = 80 mm	0.0 %	9.1 kg	48	
10210202	tec V mini NW 100, H = 100 mm	0.0 %	10.5 kg	42	
10210271	tec V mini NW 101, H = 80 mm, with outlet opening DN 100	0.0 %	8.8 kg	48	
10210272	tec V mini NW 101, H = 100 mm, with outlet opening DN 100	0.0 %	10.3 kg	42	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10210301	tec E mini NW 100, H = 80 mm ¹⁾	0.0 %	9.1 kg	48	
10210302	tec E mini NW 100, H = 100 mm ¹⁾	0.0 %	10.5 kg	42	
10210371	tec mini E NW 101, H = 80 mm, with outlet opening DN 100 ¹⁾	0.0 %	8.8 kg	48	
10210372	tec mini E NW 101, H = 100 mm, with outlet opening DN 100 ¹⁾	0.0 %	10.3 kg	42	

Channel body with outlet opening

The position of the outlet opening to the bottom and/or the lateral drill-hole (left/right) can be freely selected for L = 500 mm channels.

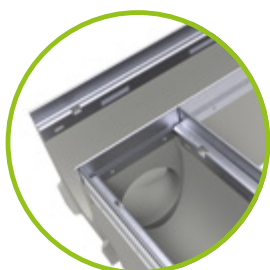
Maximum lateral drilling diameters:

- for NW 100 no. 0 Ø 55 mm
- for NW 100 no. 5-0 and 10-0 Ø 86 mm
- for NW 150 no. 0 Ø 102 mm
- for NW 150 no. 5-0 and 10-0 Ø 130 mm
- for NW 200 no. 0 Ø 130 mm
- for NW 200 no. 5-0 and 10-0 Ø 180 mm

T- or cross-pieces can be produced easily and quickly.



For questions, please contact our technical support team.



¹⁾ Delivery time on request. ²⁾ Lateral and/or vertical drill-hole, see picture on page 42.

³⁾ No anti-vandalism locking device possible.

⁴⁾ If the lower part is not used, threaded rods and nuts must be provided by the customer.

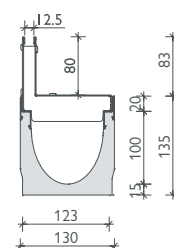
⁵⁾ Not supplied with the maintenance unit; must be ordered separately if required.

Gratings and accessories

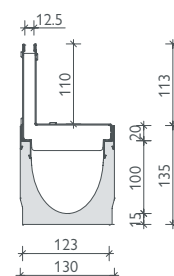
for BG-FILCOTEN® tec and tec mini with galvanised (V)

or stainless steel edge (E), NW 100

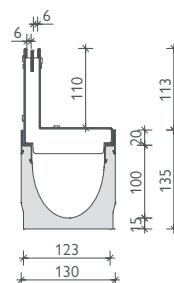
Item no.	Gratings with fiX locking system (no bolt connections)	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17010220	tec mesh grating, 1000/122/20, MW 30/10	B 125	2.8 kg	120	
17010221	tec mesh grating, 500/122/20, MW 30/10	B 125	1.4 kg	48	
17010222	tec mesh grating, 1000/122/20, MW 30/10	C 250	3.3 kg	120	
17010223	tec mesh grating, 500/122/20, MW 30/10	C 250	1.6 kg	48	
17010322	tec mesh grating, 1000/122/20, MW 30/10, stainless steel ¹⁾	C 250	3.3 kg	120	
17010323	tec mesh grating, 500/122/20, MW 30/10, stainless steel ¹⁾	C 250	1.6 kg	48	
17010202	tec slotted grating, 1000/122/20, SW 8/80 ³⁾	A 15	1.5 kg	120	
17010203	tec slotted grating, 500/122/20, SW 8/80 ³⁾	A 15	0.8 kg	48	
17010206	tec slotted grating, 1000/122/20, SW 8/80 ^{1) 3)}	C 250	4.5 kg	60	
17010207	tec slotted grating, 500/122/20, SW 8/80 ^{1) 3)}	C 250	2.2 kg	48	
tec slotted gratings on request in stainless steel available.					
17010204	tec perforated grating, 1000/122/20, Ø 6.0 mm	A 15	1.9 kg	120	
17010205	tec perforated grating 500/122/20, Ø 6.0 mm	A 15	1.0 kg	48	
17010228	tec perforated grating, 1000/122/20, Ø 6.0 mm	C 250	3.3 kg	96	
17010229	tec perforated grating 500/122/20, Ø 6.0 mm	C 250	1.7 kg	48	
tec slotted gratings on request in stainless steel available.					
17010401	tec COMBee design grating, 500/123/20, Ø 7.3 mm, plastic PA6 ³⁾	B 125	0.9 kg	160	
17010402	tec COMBee design grating, 500/123/20, Ø 7.3 mm, plastic PA6 ³⁾	C 250	1.1 kg	160	
17010403	tec plastic slotted grating, 500/123/20, SW 8/40, plastic PA6	B 125	0.9 kg	160	
17010404	tec plastic slotted grating, 500/123/20, SW 8/40, plastic PA6	C 250	1.1 kg	160	
17010111	tec ductile iron slotted grating, 500/122/20, SW 10/100	B 125	2.6 kg	240	
17010101	tec ductile iron longitudinal bar grating, 500/122/20, MW 29/13	C 250	3.2 kg	240	
17010106	tec ductile iron longitudinal bar grating, 500/122/20, MW 29/6, narrow SW	C 250	3.6 kg	240	
tec design gratings – different designs ^{1) 3)} see pro design gratings NW 100					
32087	tec anti-vandalism locking device Requirement: 2 pieces per cover	stainless steel	0.1 kg		
Item no.	BG-FILCOTEN® slot tops V asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17110237	Slot top V NW 100, 1000/123/103, SH 80, SW 12.5 mm	B 125	4.4 kg	48	
17110238	Slot top V NW 100, 500/123/103, SH 80, SW 12.5 mm	B 125	2.2 kg	24	
17110297	Maintenance unit V NW 100, 500/123/103, SH 80, SW 12.5 mm	B 125	4.1 kg	24	
17110243	Slot top V NW 100, 1000/123/133, SH 110, SW 12.5 mm	C 250	5.4 kg	36	
17110244	Slot top V NW 100, 500/123/133, SH 110, SW 12.5 mm	C 250	2.7 kg	24	
17110281	Maintenance unit V NW 100, 500/123/133, SH 110, SW 12.5 mm	C 250	5.0 kg	24	
17111204	Slot top 2S, heelproof V NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250	5.8 kg	36	
17111205	Slot top 2S, heelproof V NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	3.0 kg	24	
17111206	Maintenance unit 2S, heelproof V NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	5.3 kg	24	
37962	Construction time cover for slot top SW 12.5 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg		
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic ⁵⁾		0.1 kg		
Item no.	BG-FILCOTEN® slot tops E asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pc./Pallet	Euro/pc.
17110343	Slot top E NW 100, 1000/123/133, SH 110, SW 12.5 mm	C 250	5.4 kg	36	
17110344	Slot top E NW 100, 500/123/133, SH 110, SW 12.5 mm	C 250	2.7 kg	24	
17110381	Maintenance unit E NW 100, 500/123/133, SH 110, SW 12.5 mm	C 250	5.0 kg	24	
17111310	Slot top 2S, heelproof E NW 100, 1000/123/103, SH 80, SW 2x6 mm	B 125	5.0 kg	48	
17111311	Slot top 2S, heelproof E NW 100, 500/123/103, SH 80, SW 2x6 mm	B 125	2.5 kg	24	
17111312	Maintenance unit 2S, heelproof E NW 100, 500/123/103, SH 80, SW 2x6 mm	B 125	4.3 kg	24	
17111304	Slot top 2S, heelproof E NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250	5.8 kg	36	
17111305	Slot top 2S, heelproof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	3.0 kg	24	
17111306	Maintenance unit 2S, heelproof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	5.3 kg	24	
17111307	Slot top 3S, heelproof E NW 100, 1000/123/133, SH 110, SW 3x6 mm	C 250	6.5 kg	36	
17111308	Slot top 3S, heelproof E NW 100, 500/123/133, SH 110, SW 3x6 mm	C 250	3.3 kg	24	
17111309	Maintenance unit 3S, heelproof E NW 100, 500/123/133, SH 110, SW 3x6 mm	C 250	5.6 kg	24	
37962	Construction time cover for slot top SW 12.5 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg		
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic ⁵⁾		0.1 kg		
Item no.	Accessories	Material	Weight	Pc./Pallet	Euro/pc.
10410293	tec sump unit V, 500/144/500 incl. pipe coupling DN 100 and plastic silt bucket	FILCOTEN® HPC	24.2 kg	10	
10410393	tec sump unit E, 500/144/500 incl. pipe coupling DN 100 and plastic silt bucket ¹⁾	FILCOTEN® HPC	24.2 kg	10	
30056	Odour trap for sump unit for backfitting DN 100	plastic	0.1 kg		
30019	Odour trap for outlet opening DN 100	plastic	0.2 kg		
19010401	tec front cap, without socket, closed	plastic	0.1 kg		
19010400	tec front/end cap with outlet DN 100	plastic	0.1 kg		
19010230	tec front cap	galvanised	0.3 kg		
19010200	tec mini front cap	galvanised	0.1 kg		
19010300	tec mini front cap ¹⁾	stainless steel	0.1 kg		
19015926	SET installation supports, size 1, lower section, including nuts ⁴⁾	galvanised	1.1 kg		
19000401	SET installation chair upper section, univ. NW 100 – 300, incl. retaining screws	plastic	0.6 kg		



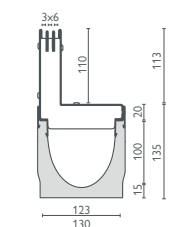
Slot top
SW 12.5, class B



Slot top
SW 12.5, class C



Slot top 2S,
heelproof
SW 2x6, class C



Slot top 3S,
heelproof
SW 3x6, class C

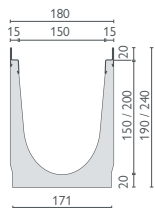
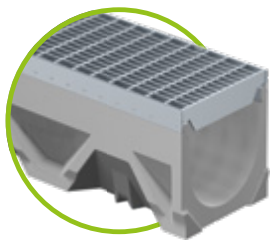


Slot tops symmetric,
for load class D 400
or special parts
on request.
Installation guidelines at
www.bg-graspointner.com

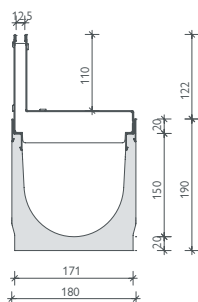
up to class C 250

BG-FILCOTEN®

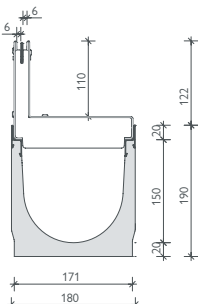
tec



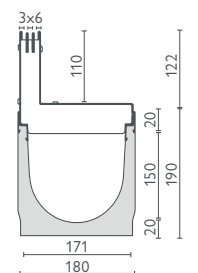
Galvanised
or stainless steel edge



Slot top
SW 12.5, class C



Slot top 2S,
heelproof
SW 2x6, class C



Slot top 3S,
heelproof
SW 3x6, class C

BG-FILCOTEN® tec incl. edges, NW 150

Drainage channel made of FILCOTEN® HPC (High Performance Concrete) with integrated galvanised (V) or stainless steel edge (E), up to class C

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10415200	tec V NW 150, no. 0	0.0 %	22.2 kg	16	
10415250	tec V NW 150, no. 0, L = 500 mm, for drilling ¹⁾	0.0 %	11.2 kg	16	
10415262	tec V NW 150, no. 10-0	0.0 %	28.2 kg	12	
10415252	tec V NW 150, no. 10-0, L = 500 mm, for drilling ²⁾	0.0 %	14.1 kg	16	
10415270	tec V NW 151, no. 0, with outlet opening DN 150	0.0 %	21.3 kg	16	
10415272	tec V NW 151, no. 10-0, with outlet opening DN 150	0.0 %	27.3 kg	12	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10415300	tec E NW 150, no. 0 ¹⁾	0.0 %	22.2 kg	16	
10415350	tec E NW 150, no. 0, L = 500 mm, for drilling ^{1) 2)}	0.0 %	11.2 kg	16	
10415362	tec E NW 150, no. 10-0 ¹⁾	0.0 %	28.2 kg	12	
10415352	tec E NW 150, no. 10-0, L = 500 mm, for drilling ^{1) 2)}	0.0 %	14.1 kg	16	
10415370	tec E NW 151, no. 0, with outlet opening DN 150 ¹⁾	0.0 %	21.3 kg	16	
10415372	tec E NW 151, no. 10-0, with outlet opening DN 150 ¹⁾	0.0 %	27.3 kg	12	

Gratings

for BG-FILCOTEN® tec with galvanised (V) or stainless steel edge (E), NW 150

Item no.	Gratings with fiX locking system (no bolt connections)	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17015220	tec mesh grating, 1000/172/20, MW 30/10	B 125	4.6 kg	68	
17015221	tec mesh grating, 500/172/20, MW 30/10	B 125	2.4 kg	48	
17015222	tec mesh grating, 1000/172/20, MW 30/10	C 250	6.9 kg	68	
17015223	tec mesh grating, 500/172/20, MW 30/10	C 250	3.6 kg	48	
17015322	tec mesh grating, 1000/172/20, MW 30/10, stainless steel ¹⁾	C 250	6.9 kg	68	
17015323	tec mesh grating, 500/172/20, MW 30/10, stainless steel ¹⁾	C 250	3.6 kg	48	
17015228	tec perforated grating, 1000/172/20, Ø 6.0 mm	C 250	10.0 kg	40	
17015229	tec perforated grating, 500/172/20, Ø 6.0 mm	C 250	5.0 kg	28	
17015328	tec perforated grating, 1000/172/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	10.0 kg	40	
17015329	tec perforated grating, 500/172/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	5.0 kg	28	
17015403	tec plastic slotted grating 500/172/20, SW 10/58	B 125	1.8 kg	150	
17015404	tec plastic slotted grating 500/172/20, SW 10/58	C 250	2.0 kg	150	
17015111	tec ductile iron slotted grating, 500/172/20, SW 10/150	B 125	4.5 kg	128	
17015101	tec ductile iron longitudinal bar grating, 500/172/20, MW 29/13	C 250	5.5 kg	128	
tec design gratings – different designs ^{1) 4)} see pro design gratings NW 150					
32088	tec anti-vandalism locking device Requirement: 2 pieces per cover	stainless steel	0.1 kg		
Item no.	BG-FILCOTEN® slot tops V asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17115243	Slot top V NW 150, 1000/173/143, SH 110, SW 12.5 mm	C 250	6.7 kg	24	
17115244	Slot top V NW 150, 500/173/143, SH 110, SW 12.5 mm	C 250	3.3 kg	16	
17115281	Maintenance unit V NW 150, 500/173/143, SH 110, SW 12.5 mm	C 250	5.9 kg	16	
17116204	Slot top 2S, heelproof V NW 150, 1000/173/143, SH 110, SW 2x6 mm	C 250	7.0 kg	24	
17116205	Slot top 2S, heelproof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250	3.5 kg	16	
17116206	Maintenance unit 2S, heelproof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250	6.1 kg	16	
37962	Construction time barrier for slot top SW 12 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg		
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic ⁴⁾		0.1 kg		
Item no.	BG-FILCOTEN® slot tops E asymmetrisch incl. accessories	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17115343	Slot top E NW 150, 1000/173/143, SH 110, SW 12.5 mm	C 250	6.7 kg	24	
17115344	Slot top E NW 150, 500/173/143, SH 110, SW 12.5 mm	C 250	3.3 kg	16	
17115381	Maintenance unit E NW 150, 500/173/143, SH 110, SW 12.5 mm	C 250	5.9 kg	16	
17116304	Slot top 2S, heelproof E NW 150, 1000/173/143, SH 110, SW 2x6 mm ¹⁾	C 250	7.0 kg	24	
17116305	Slot top 2S, heelproof E NW 150, 500/173/143, SH 110, SW 2x6 mm ¹⁾	C 250	3.5 kg	16	
17116306	Maintenance unit 2S, heelproof E NW 150, 500/173/143, SH 110, SW 2x6 mm ¹⁾	C 250	6.1 kg	16	
17116307	Slot top 3S, heelproof E NW 150, 1000/173/143, SH 110, SW 3x6 mm ¹⁾	C 250	7.7 kg	24	
17116308	Slot top 3S, heelproof E NW 150, 500/173/143, SH 110, SW 3x6 mm ¹⁾	C 250	3.9 kg	16	
17116309	Maintenance unit 3S, heelproof, E NW 150, 500/173/143, SH 110, SW 3x6 mm ¹⁾	C 250	6.5 kg	16	
37962	Construction time barrier for slot top SW 12 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg		
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic ⁴⁾		0.1 kg		



Slot tops symmetric, for load class D 400 and special slot tops on request. Installation guidelines at: www.bg-graspointner.com



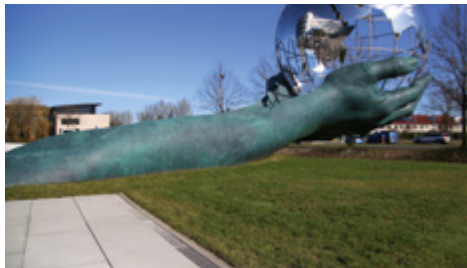
GRASPOINTNER
Sustainable innovation.

Accessories

for BG-FILCOTEN® tec with galvanised (V)
or stainless steel edge (E), NW 150

Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
10415292	tec sump unit V, 500/197/650 incl. pipe coupling DN 150 and plastic silt bucket	FILCOTEN® HPC	40.3 kg	8	
10415392	tec sump unit E, 500/197/500 incl. pipe coupling DN 150 and plastic silt bucket ¹⁾	FILCOTEN® HPC	40.3 kg	8	
30057	Odour trap for sump unit for backfitting DN 150	plastic	0.2 kg		
19015230	tec front cap	galvanised	0.5 kg		
19015231	tec end cap with outlet DN 150	galvanised	0.6 kg		
19015330	tec front cap ¹⁾	stainless steel	0.5 kg		
19015331	tec end cap with outlet DN 150 ¹⁾	stainless steel	0.6 kg		
19020926	SET installation supports, size 2, lower section, including nuts ³⁾	galvanised	1.2 kg		
19000401	SET installation chair upper section, universal NW 100 – 300, incl. retaining screws	plastic	0.6 kg		

References



¹⁾ Delivery time on request. ²⁾ Lateral and/or vertical drill-hole, see picture on page 42.

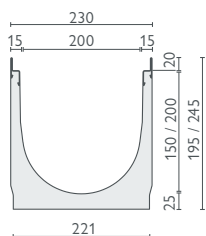
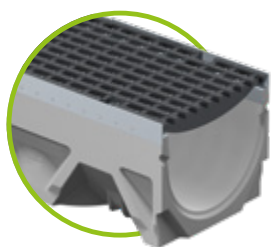
³⁾ If the lower part is not used, threaded rods and nuts must be provided by the customer.

⁴⁾ Not supplied with the maintenance unit; must be ordered separately if required.

up to class C 250

BG-FILCOTEN[®]

tec



Galvanised or stainless steel edge

BG-FILCOTEN[®] tec incl. edges, NW 200

Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) with integrated galvanised (V) or stainless steel edge (E), up to class C

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10420200	tec V NW 200, no. 0	0.0 %	34.0 kg	9	
10420250	tec V NW 200, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	21.3 kg	12	
10220200	tec V NW 200, H = 195 mm	0.0 %	30.2 kg	12	
10220250	tec V NW 200, H = 195 mm, L = 500 mm	0.0 %	15.1 kg	12	
10220270	tec V NW 201, H = 195 mm, with outlet opening DN 200	0.0 %	28.4 kg	12	
10420270	tec V NW 201, no. 0, with outlet opening DN 200	0.0 %	32.4 kg	9	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10420300	tec E NW 200, no. 0 ¹⁾	0.0 %	34.0 kg	9	
10420350	tec E NW 200, no. 0, L = 500 mm, for drilling ^{1) 2)}	0.0 %	21.3 kg	12	
10220300	tec E NW 200, H = 195 mm ¹⁾	0.0 %	30.2 kg	12	
10220350	tec E NW 200, H = 195 mm, L = 500 mm ¹⁾	0.0 %	15.1 kg	12	
10220370	tec E NW 201, H = 195 mm, with outlet opening DN 200 ¹⁾	0.0 %	28.4 kg	12	
10420370	tec E NW 201, no. 0, with outlet opening DN 200 ¹⁾	0.0 %	32.4 kg	9	

Gratings and accessories

for BG-FILCOTEN[®] tec with galvanised (V) or stainless steel edge (E), NW 200

Item no.	Gratings with fiX locking system (no bolt connections)	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17020220	tec mesh grating, 1000/222/20, MW 30/10	B 125	6.0 kg	60	
17020221	tec mesh grating, 500/222/20, MW 30/10	B 125	3.1 kg	28	
17020222	tec mesh grating, 1000/222/20, MW 30/10	C 250	8.8 kg	60	
17020223	tec mesh grating, 500/222/20, MW 30/10	C 250	4.5 kg	28	
17020322	tec mesh grating, 1000/222/20, MW 30/10, stainless steel ¹⁾	C 250	8.8 kg	60	
17020323	tec mesh grating, 500/222/20, MW 30/10, stainless steel ¹⁾	C 250	4.5 kg	28	
17020228	tec perforated grating, 1000/222/20, Ø 6.0 mm	C 250	13.5 kg	60	
17020229	tec perforated grating, 500/222/20, Ø 6.0 mm	C 250	6.7 kg	28	
17020328	tec perforated grating, 1000/222/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	13.5 kg	60	
17020329	tec perforated grating, 500/222/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	6.7 kg	28	
17020101	tec ductile iron longitudinal bar grating, 500/222/20, MW 29/13	C 250	7.3 kg	98	
tec design gratings – different designs ^{1) 4)} see pro design gratings NW 200					
32089	tec anti-vandalism locking device Requirement: 2 pieces per cover	stainless steel	0.1 kg		
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
10420292	tec sump unit V, 500/261/650 incl. pipe coupling DN 200 and plastic silt bucket	FILCOTEN [®] HPC	48.0 kg	6	
10420392	tec sump unit E, 500/261/500 incl. pipe coupling DN 200 and plastic silt bucket ¹⁾	FILCOTEN [®] HPC	48.0 kg	6	
19020230	tec front cap	galvanised	0.8 kg		
19020232	tec end cap with outlet DN 150	galvanised	0.5 kg		
19020330	tec front cap ¹⁾	stainless steel	0.8 kg		
19020332	tec end cap with outlet DN 150 ¹⁾	stainless steel	0.5 kg		
19020926	SET installation supports, size 2, lower section, including nuts ³⁾	galvanised	1.2 kg		
19000401	SET installation chair upper section, universal NW 100 – 300, incl. retaining screws	plastic	0.6 kg		

¹⁾ Delivery time on request. ²⁾ Lateral and/or vertical drill-hole, see picture on page 38.

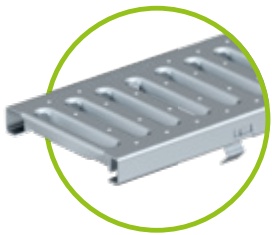
³⁾ If the lower part is not used, threaded rods and nuts must be provided by the customer.

⁴⁾ Not supplied with the maintenance unit; must be ordered separately if required.

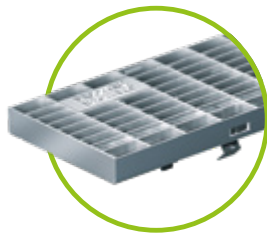


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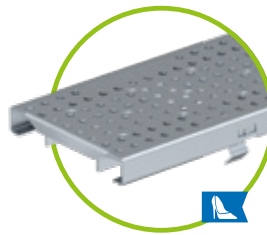
Gratings: BG-FILCOTEN® tec and tec mini NW 100 and tec NW 150, 200



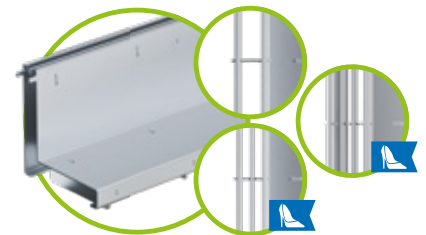
Slotted grating, class A and C
galvanised / stainless steel, SW 8/80
for NW 100



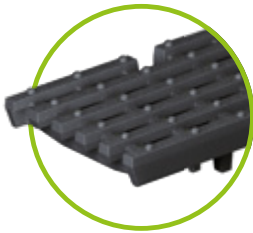
Mesh grating,
class B galvanised steel
and class C galvanised / stainless steel,
MW 30/10, for all NW



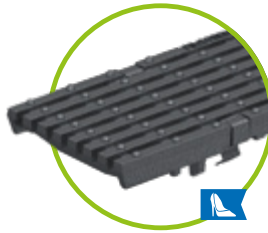
Perforated grating
galvanised / stainless steel,
Ø 6.0 mm
Class A and class C for NW 100
Class C for NW 150, 200



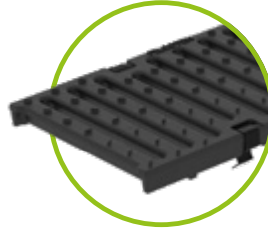
Slot top
SW 12.5 mm, class B, NW 100, V & E
SW 12.5 mm, class C, NW 100 / 150, V & E
2S, SW 2x6 mm, class B NW 100, E
2S, SW 2x6 mm C, NW 100 / 150, V & E
3S, SW 3x6 mm, class C, NW 100 / 150, E



Ductile iron longitudinal bar grating
MW 29/13, class C
for all NW



Ductile iron longitudinal bar grating
MW 29/6
narrow SW, class C
for NW 100



Ductile iron slotted grating
SW 10/100 and/or 10/150, class B
for NW 100 and/or 150



COMBee design grating
Ø 7.3 mm, class B and C
plastic PA6
for NW 100



Plastic slotted grating
SW 8/40 and/or 10/58, class B and class C
plastic PA6
for NW 100 and/or NW 150

Only a **heavyweight** when it comes to **features:**

The BG-FILCOTEN® pro channel systems doesn't make any compromises. This system is stable yet lightweight, is flexible enough to adapt to suit your needs, and can also handle loads up to class E 600 (acc. to EN 1433). BG-FILCOTEN® pro channels are also available as a mini version with a lower overall height.

Download here:

Tender text, datasheets, DoP, installation guidelines, installation detail, product drawing, BIM data



www.say.bg/en/pro/download

Class E 600

Four edge versions

The edges can be supplied in galvanised steel, stainless steel, cast iron or plastic as desired.

Channel geometry / smooth surface

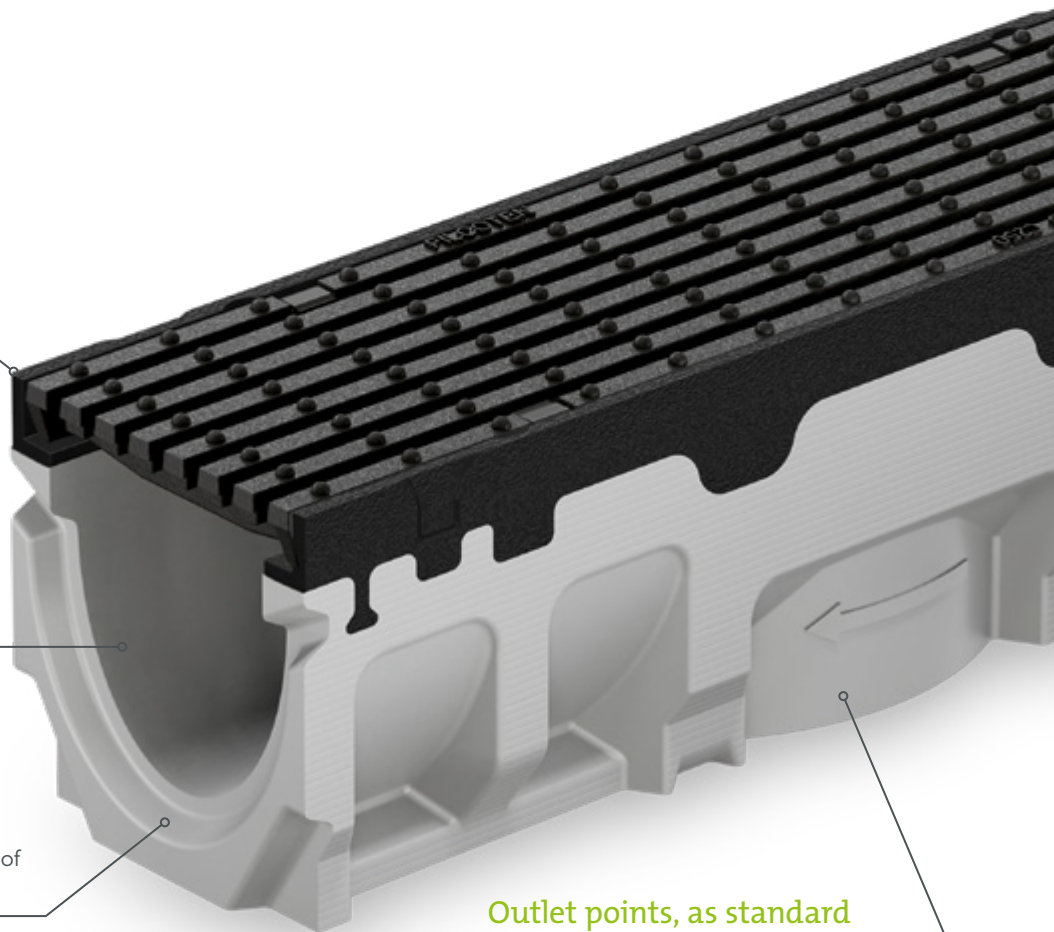
The optimised channel geometry and the smooth surface of FILCOTEN® HPC ensure maximum flow and perfect self-cleaning effects.

Safety joint

A sealable safety joint enables a tight, waterproof connection between the individual segments.

Outlet points, as standard

Every channel body without an inner slope can be supplied with a vertical outlet.



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Bolted iron grip

As an alternative to the fiX locking system, cast iron gratings in class D or in class E (see table for relevant nominal widths) can be attached to the cast iron edge using 4-point bolting. All fittings are supplied as a kit.

Our fittings are simple and easy to change. The cage nuts are replaceable and securely fit in the cast iron edge.

Secure hold for the grating

The intelligent fiX locking system enables simple four-point, quick-locking of the grate in the channel. The integrated pins to prevent longitudinal shifting provide added safety.

Perfectly fitting channel

Anchoring ribs ensure that the channel sits securely in the concrete foundation and prevent any floating along the entire length of the channel.

Innovative production technology

The innovative FILCOTEN[®] HPC production and moulding technology made it possible to design anchoring ribs for a concrete channel body for the very first time, thus ensuring an even better hold in the concrete bed.

Areas of application:

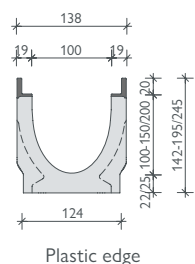
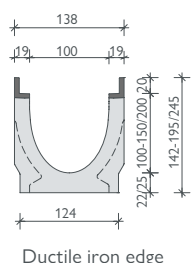
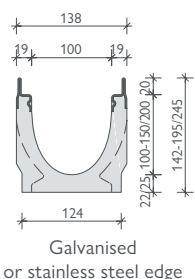
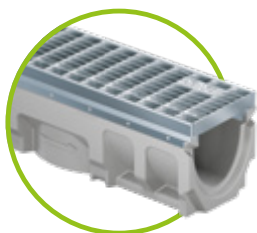
- | | |
|----------------------|------------------------|
| • logistics area | • parking area (truck) |
| • garage driveway | • garage |
| • parking area (car) | • storage area |
| • platform | • pedestrian zones |



up to class E 600

BG-FILCOTEN[®]

pro



BG-FILCOTEN[®] pro incl. edges, NW 100

Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) with integrated galvanised steel (V), ductile iron (G), stainless steel (E) edge, up to class E, or a plastic (P) edge up to class C.

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10610200	pro V NW 100, no. 0	0.0 %	19.0 kg	25	
10610280	pro V NW 100, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	9.6 kg	20	
10610261	pro V NW 100, no. 5-0	0.0 %	22.0 kg	20	
10610281	pro V NW 100, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	13.2 kg	20	
10610262	pro V NW 100, no. 10-0	0.0 %	24.9 kg	20	
10610264	pro V NW 100, no. 20-0	0.0 %	31.0 kg	15	
10610270	pro V NW 101, no. 0, with outlet opening DN 100	0.0 %	18.0 kg	25	
10610271	pro V NW 101, no. 5-0, with outlet opening DN 100	0.0 %	21.3 kg	20	
10610272	pro V NW 101, no. 10-0, with outlet opening DN 100	0.0 %	24.6 kg	20	
10610274	pro V NW 101, no. 20-0, with outlet opening DN 100	0.0 %	30.6 kg	15	
10610201-10	pro V NW 100, no. 1 to no. 10	0.5 %	18.6-24.6 kg	20	
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10610100	pro G NW 100, no. 0	0.0 %	20.5 kg	25	
10610180	pro G NW 100, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	9.7 kg	20	
10610161	pro G NW 100, no. 5-0	0.0 %	22.6 kg	20	
10610181	pro G NW 100, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	13.5 kg	20	
10610162	pro G NW 100, no. 10-0	0.0 %	26.1 kg	20	
10610164	pro G NW 100, no. 20-0	0.0 %	32.0 kg	15	
10610170	pro G NW 101, no. 0, with outlet opening DN 100	0.0 %	18.8 kg	25	
10610171	pro G NW 101, no. 5-0, with outlet opening DN 100	0.0 %	22.3 kg	20	
10610172	pro G NW 101, no. 10-0, with outlet opening DN 100	0.0 %	25.8 kg	20	
10610174	pro G NW 101, no. 20-0, with outlet opening DN 100	0.0 %	31.6 kg	15	
10610101-10	pro G NW 100, no. 1 to no. 10	0.5 %	19.5-25.4 kg	20	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10610300	pro E NW 100, no. 0 ¹⁾	0.0 %	18.3 kg	25	
10610362	pro E NW 100, no. 10-0 ¹⁾	0.0 %	24.9 kg	20	
10610370	pro E NW 101, no. 0, with outlet opening DN 100 ¹⁾	0.0 %	18.0 kg	25	
10610372	pro E NW 101, no. 10-0, with outlet opening DN 100 ¹⁾	0.0 %	24.6 kg	20	
10610301-10	pro E NW 100, no. 1 to no. 10 ¹⁾	0.5 %	18.6-24.6 kg	20	
Item no.	Channel body with plastic edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10610400	pro P NW 100, no. 0	0.0 %	17.0 kg	25	
10610480	pro P NW 100, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	8.3 kg	20	
10610461	pro P NW 100, no. 5-0	0.0 %	19.1 kg	20	
10610481	pro P NW 100, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	11.8 kg	20	
10610462	pro P NW 100, no. 10-0	0.0 %	22.6 kg	20	
10610482	pro P NW 100, no. 10-0, L = 500 mm, for drilling ²⁾	0.0 %	9.9 kg	20	
10610464	pro P NW 100, no. 20-0	0.0 %	28.5 kg	15	
10610484	pro P NW 100, no. 20-0, L = 500 mm, for drilling ²⁾	0.0 %	13.3 kg	20	
10610470	pro P NW 101, no. 0, with outlet opening DN 100	0.0 %	15.3 kg	25	
10610471	pro P NW 101, no. 5-0, with outlet opening DN 100	0.0 %	18.8 kg	20	
10610472	pro P NW 101, no. 10-0, with outlet opening DN 100	0.0 %	22.3 kg	20	
10610474	pro P NW 101, no. 20-0, with outlet opening DN 100	0.0 %	28.1 kg	15	



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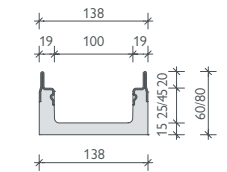
¹⁾ Delivery time on request.

²⁾ Lateral and/or vertical drill-hole, see picture on page 53.

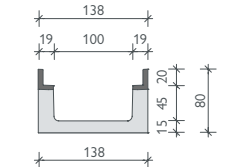
BG-FILCOTEN® pro mini incl. edges, NW 100

Drainage channel made of FILCOTEN® HPC (High Performance Concrete) with integrated galvanised steel (V), ductile iron (G), stainless steel (E) edge up to class E, or a plastic (P) edge up to class C – very low construction height

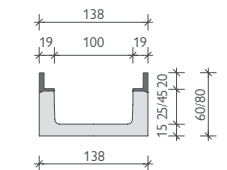
Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10510200	pro V mini NW 100, H = 60 mm	0.0 %	9.1 kg	50	
10510201	pro V mini NW 100, H = 80 mm	0.0 %	11.2 kg	40	
10510270	pro V mini NW 101, H = 60 mm, with outlet opening DN 100	0.0 %	8.9 kg	50	
10510271	pro V mini NW 101, H = 80 mm, with outlet opening DN 100	0.0 %	11.0 kg	40	
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10510101	pro G mini NW 100, H = 80 mm	0.0 %	12.2 kg	40	
10510171	pro G mini NW 101 H = 80 mm, with outlet opening DN 100	0.0 %	12.0 kg	40	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10510300	pro E mini NW 100, H = 60 mm ¹⁾	0.0 %	9.1 kg	50	
10510301	pro E mini NW 100, H = 80 mm ¹⁾	0.0 %	11.2 kg	40	
10510370	pro E mini NW 101, H = 60 mm, with outlet opening DN 100 ¹⁾	0.0 %	8.9 kg	50	
10510371	pro E mini NW 101, H = 80 mm, with outlet opening DN 100 ¹⁾	0.0 %	11.0 kg	40	
Item no.	Channel body with plastic edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10510400	pro P mini NW 100, H = 60 mm ¹⁾	0.0 %	7.1 kg	50	
10510401	pro P mini NW 100, H = 80 mm ¹⁾	0.0 %	8.7 kg	40	
10510470	pro P mini NW 101, H = 60 mm, with outlet opening DN 100 ¹⁾	0.0 %	6.0 kg	50	
10510471	pro P mini NW 101, H = 80 mm, with outlet opening DN 100 ¹⁾	0.0 %	8.5 kg	40	



Galvanised or stainless steel edge



Ductile iron edge



Plastic edge

References



Gratings

for BG-FILCOTEN® pro and pro mini with galvanised steel (V), ductile iron (G), stainless steel (E) or plastic (P) edge, NW 100

Item no.	Gratings with fiX locking system (no bolt connections)	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17010220	pro mesh grating, 1000/122/20, MW 30/10	B 125	2.8 kg	120	
17010221	pro mesh grating, 500/122/20, MW 30/10	B 125	1.4 kg	48	
17010222	pro mesh grating, 1000/122/20, MW 30/10	C 250	3.3 kg	120	
17010223	pro mesh grating, 500/122/20, MW 30/10	C 250	1.6 kg	48	
17010322	pro mesh grating, 1000/122/20, MW 30/10, stainless steel ¹⁾	C 250	3.3 kg	120	
17010323	pro mesh grating, 500/122/20, MW 30/10, stainless steel ¹⁾	C 250	1.6 kg	48	
17010226	pro mesh grating, 1000/122/20, MW 25/10 ¹⁾	D 400	7.4 kg	96	
17010227	pro mesh grating, 500/122/20, MW 25/10 ¹⁾	D 400	3.8 kg	48	
17010326	pro mesh grating, 1000/122/20, MW 25/10, stainless steel ¹⁾	D 400	7.4 kg	96	
17010327	pro mesh grating, 500/122/20, MW 25/10, stainless steel ¹⁾	D 400	3.8 kg	48	
17010206	pro slotted grating 1000/122/20, SW 8/80 ^{1) 2)}	C 250	4.5 kg	60	
17010207	pro slotted grating 500/122/20, SW 8/80 ^{1) 2)}	C 250	2.2 kg	48	
17010306	pro slotted grating 1000/122/20, SW 8/80, stainless steel ^{1) 2)}	C 250	4.5 kg	60	
17010307	pro slotted grating 500/122/20, SW 8/80, stainless steel ^{1) 2)}	C 250	2.2 kg	48	
17010228	pro perforated grating 1000/122/20, Ø 6.0 mm	C 250	3.3 kg	96	
17010229	pro perforated grating, 500/122/20, Ø 6.0 mm	C 250	1.7 kg	48	
17010328	pro perforated grating, 1000/122/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	3.3 kg	96	
17010329	pro perforated grating, 500/122/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	1.7 kg	48	
17010401	pro COMBee design grating 500/123/20, Ø 7.3 mm, plastic PA6 ²⁾	B 125	0.9 kg	160	
17010402	pro COMBee design grating 500/123/20, Ø 7.3 mm, plastic PA6 ²⁾	C 250	1.1 kg	160	
17010403	pro plastic slotted grating 500/123/20, SW 8/40, plastic PA6 ²⁾	B 125	0.9 kg	160	
17010404	pro plastic slotted grating 500/123/20, SW 8/40, plastic PA6 ²⁾	C 250	1.1 kg	160	
17010101	pro ductile iron longitudinal bar grating, 500/122/20, MW 29/13	C 250	3.2 kg	240	
17010106	pro ductile iron longitudinal bar grating, 500/122/20, MW 29/6, narrow SW	C 250	3.6 kg	240	
17010104	pro ductile iron longitudinal bar grating, 500/122/20, MW 29/13	D 400	3.4 kg	240	
17010110	pro ductile iron longitudinal bar grating, 500/122/20, MW 28/9	D 400	3.4 kg	240	
17010111	pro ductile iron slotted grating, 500/122/20, SW 10/100	B 125	2.6 kg	240	
17010105	pro ductile iron slotted grating, 500/122/20, SW 14/100	E 600	3.8 kg	240	
17010183	pro ductile iron design grating "KIARO" 500/122/20, SW 7 ^{1) 2)}	D 400	4.1 kg	240	
17010184	pro ductile iron design grating "VIA" 500/122/20, SW 7 ^{1) 2)}	D 400	3.6 kg	240	
17010185	pro ductile iron design grating "RIVER" 500/122/20, SW 8 ¹⁾	D 400	3.8 kg	240	
17010188	pro ductile iron design grating "LINEAR" 500/122/20, SW 7 ¹⁾	D 400	4.7 kg	240	
17010180	pro ductile iron design grating "VILLE" 500/122/20, SW 7 ¹⁾	E 600	5.2 kg	240	
32087	pro anti-vandalism locking device Requirement: 2 pieces per cover	stainless steel	0.1 kg		
Item no.	Gratings 4 point boltable (only in cast iron edge)	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17010108	pro ductile iron slotted grating 500/122/20, SW 14/100 ^{2) 3)}	D 400	3.8 kg	240	
17010103	pro ductile iron longitudinal bar grating 500/122/20, MW 22/13 ^{2) 3)}	E 600	4.2 kg	240	
17010113	pro ductile iron cover, closed, 500/122/20 ^{1) 2)}	E 600	5.3 kg	168	
32103	pro bolting material for ductile iron grating class D and E (1 x bolt, 1 x nut – 8 pcs. required per m)				
32109	pro locking device kit stainless steel for ductile iron grating class D and E (1 pc. bolt, 1 pc. nut – 8 pcs. required per m)				
Item no.	BG-FILCOTEN® slot tops V / E asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
	Slot tops class C – see BG-FILCOTEN® tec NW 100				
	Slot tops class D – on request				

Accessories

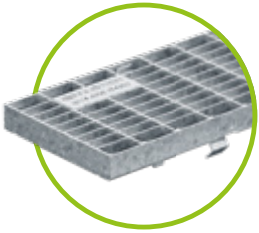
for BG-FILCOTEN® pro and pro mini with galvanised steel (V), ductile iron (G), stainless steel (E) or plastic (P) edge, NW 100

Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
10610295	pro sump unit V 500/145/450, low constr. ht., incl. pipe coupling DN 100 and plastic silt bucket	FILCOTEN® HPC	25.1 kg	10	
10610292	pro sump unit V 500/145/600, incl. pipe coupling DN 100 and plastic silt bucket	FILCOTEN® HPC	32.6 kg	10	
10610195	pro sump unit G 500/145/450, low constr. ht., incl. pipe coupling DN 100 and plastic silt bucket	FILCOTEN® HPC	25.4 kg	10	
10610192	pro sump unit G 500/145/600, incl. pipe coupling DN 100 and plastic silt bucket	FILCOTEN® HPC	33.1 kg	10	
10610395	pro sump unit E 500/145/450, low constr. ht., incl. pipe coupling DN 100 and plastic silt bucket ¹⁾	FILCOTEN® HPC	25.1 kg	10	
10610392	pro sump unit E 500/145/600, incl. pipe coupling DN 100 and plastic silt bucket ¹⁾	FILCOTEN® HPC	32.6 kg	10	
10610495	pro sump unit P 500/145/450, low constr. ht., incl. pipe coupling DN 100 and plastic silt bucket	FILCOTEN® HPC	23.5 kg	10	
10610492	pro sump unit P 500/145/600, incl. pipe coupling DN 100 and plastic silt bucket	FILCOTEN® HPC	31.4 kg	10	
30056	Odour trap for sump unit for backfitting DN 100	plastic	0.1 kg		
30019	Odour trap for outlet opening DN 100	plastic	0.2 kg		
19010401	pro front cap, without socket, closed	plastic	0.1 kg		
19010400	pro front/end cap with outlet DN 100	plastic	0.1 kg		
19010230	pro front cap	galvanised	0.3 kg		
19010200	pro mini front cap	galvanised	0.1 kg		
19010300	pro mini front cap ¹⁾	stainless steel	0.1 kg		
19015926	SET installation supports, size 1, lower section, including nuts ⁴⁾	galvanised	1.1 kg		
19000401	SET installation chair upper section, universal NW 100 – 300, incl. retaining screws	plastic	0.6 kg		

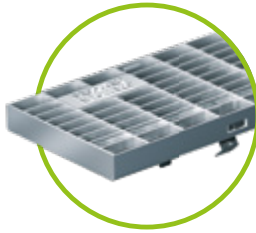
¹⁾ Delivery time on request. ²⁾ No anti-vandalism locking device possible.

³⁾ Fasteners only possible when used with a cast iron edge / fasteners to be ordered separately.

⁴⁾ If the lower part is not used, threaded rods and nuts must be provided by the customer.



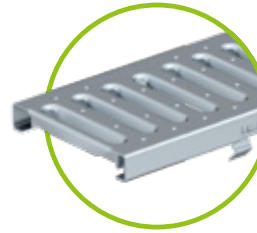
Mesh grating MW 30/10, class B galvanised



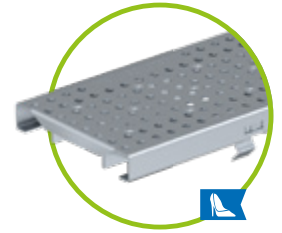
Mesh grating MW 30/10, class C galvanised & stainless steel



Mesh grating MW 25/10, class D galvanised & stainless steel



Slotted grating SW 8/80, class C galvanised & stainless steel



Perforated grating, Ø 6.0 mm, class C, galvanised & stainless steel



Ductile iron slotted grating SW 10/100 class B with fiX locking system



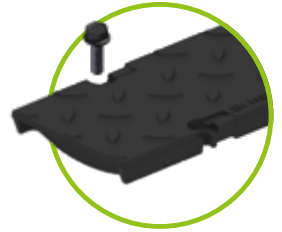
Ductile iron slotted grating SW 14/100 Class E with fiX locking system Class D 4-point bolted



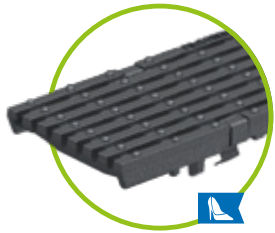
COMBee design grating Ø 7.3 mm, class B & C plastic PA6



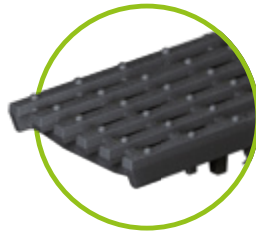
Plastic slotted grating SW 8/40, class B & C plastic PA6



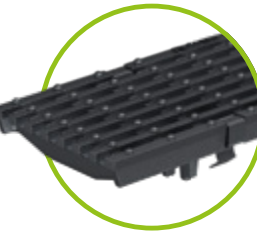
Ductile iron cover, closed 4 point boltable



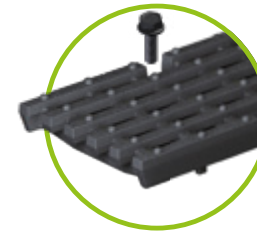
Ductile iron longitudinal bar grating MW 29/6 class C, narrow slot width



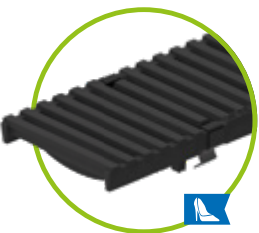
Ductile iron longitudinal bar grating MW 29/13, class C or class D



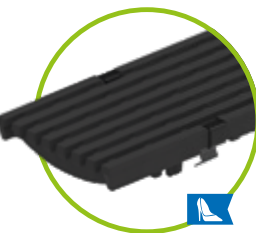
Ductile iron longitudinal bar grating MW 28/9 class D



Ductile iron longitudinal bar grating MW 22/13 class E 4 point boltable
Only available for cast iron edge



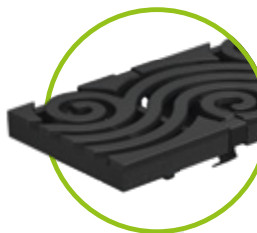
Ductile iron design grating KIARO, class D, SW 7



Ductile iron design grating VIA, class D, SW 7



Ductile iron design grating VILLE, class E, SW 7

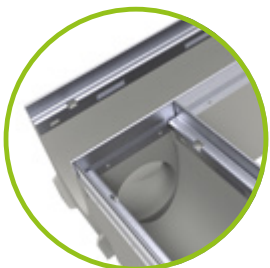


Ductile iron design grating RIVER, class D, SW 8



Ductile iron design grating LINEAR, class D, SW 7

NEW



Channel body with outlet opening

The position of the outlet opening to the bottom and/or the lateral drill-hole (left/right) can be freely selected for L = 500 mm channels.

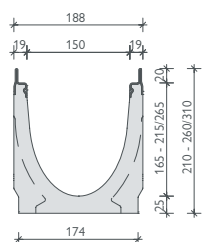
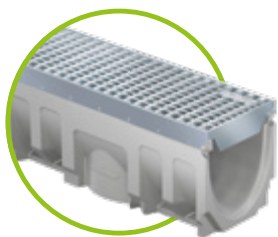
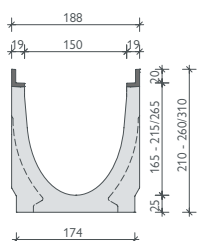
Maximum lateral drilling diameters:

- for NW 100 no. 0 Ø 55 mm
- for NW 100 no. 5-0 and 10-0 Ø 86 mm
- for NW 150 no. 0 Ø 102 mm
- for NW 150 no. 5-0 and 10-0 Ø 130 mm
- for NW 200 no. 0 Ø 130 mm
- for NW 200 no. 5-0 and 10-0 Ø 180 mm

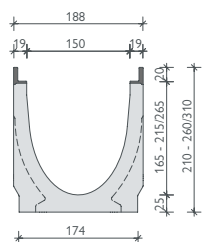
T- or cross-pieces can be produced easily and quickly.



Should you have any questions, please contact our technical support team.

Galvanised
or stainless steel edge

Ductile iron edge



Plastic edge

BG-FILCOTEN® pro incl. edges, NW 150

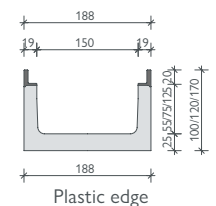
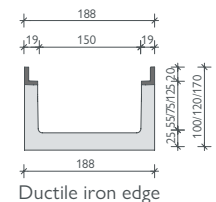
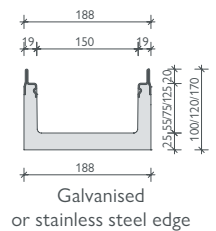
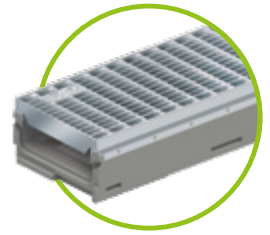
Drainage channel made of FILCOTEN® HPC (High Performance Concrete) with integrated galvanised steel (V), ductile iron (G), stainless steel (E) edge, up to class E, or a plastic (P) edge up to class C.

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10615200	pro V NW 150, no. 0	0.0 %	31.7 kg	16	
10615280	pro V NW 150, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	15.2 kg	16	
10615261	pro V NW 150, no. 5-0	0.0 %	34.6 kg	12	
10615281	pro V NW 150, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	20.7 kg	16	
10615262	pro V NW 150, no. 10-0	0.0 %	39.5 kg	12	
10615264	pro V NW 150, no. 20-0	0.0 %	48.5 kg	8	
10615270	pro V NW 151, no. 0, with outlet opening DN 150	0.0 %	29.7 kg	16	
10615271	pro V NW 151, no. 5-0, with outlet opening DN 150	0.0 %	33.5 kg	12	
10615272	pro V NW 151, no. 10-0, with outlet opening DN 150	0.0 %	36.7 kg	12	
10615274	pro V NW 151, no. 20-0, with outlet opening DN 150	0.0 %	46.6 kg	8	
10615201-10	pro V NW 150, no. 1 to no. 10	0.5 %	31.5-37.5 kg	12	
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10615100	pro G NW 150, no. 0	0.0 %	32.5 kg	16	
10615180	pro G NW 150, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	15.7 kg	16	
10615161	pro G NW 150, no. 5-0	0.0 %	35.6 kg	12	
10615181	pro G NW 150, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	21.2 kg	16	
10615162	pro G NW 150, no. 10-0	0.0 %	40.0 kg	12	
10615164	pro G NW 150, no. 20-0	0.0 %	50.5 kg	8	
10615170	pro G NW 151, no. 0, with outlet opening DN 150	0.0 %	30.7 kg	16	
10615171	pro G NW 151, no. 5-0, with outlet opening DN 150	0.0 %	34.5 kg	12	
10615172	pro G NW 151, no. 10-0, with outlet opening DN 150	0.0 %	37.7 kg	12	
10615174	pro G NW 151, no. 20-0, with outlet opening DN 150	0.0 %	47.6 kg	8	
10615101-10	pro G NW 150, no. 1 to no. 10	0.5 %	32.5-38.5 kg	12	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10615300	pro E NW 150, no. 0 ¹⁾	0.0 %	30.8 kg	16	
10615362	pro E NW 150, no. 10-0 ¹⁾	0.0 %	37.8 kg	12	
10615370	pro E NW 151, no. 0, with outlet opening DN 150 ¹⁾	0.0 %	29.7 kg	16	
10615372	pro E NW 151, no. 10-0, with outlet opening DN 150 ¹⁾	0.0 %	36.7 kg	12	
10615301-10	pro E NW 150, no. 1 to no. 10 ¹⁾	0.5 %	31.5-37.5 kg	12	
Item no.	Channel body with plastic edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10615400	pro P NW 150, no. 0	0.0 %	29.0 kg	16	
10615480	pro P NW 150, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	15.2 kg	16	
10615461	pro P NW 150, no. 5-0	0.0 %	32.1 kg	12	
10615481	pro P NW 150, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	17.0 kg	16	
10615462	pro P NW 150, no. 10-0	0.0 %	36.5 kg	12	
10615464	pro P NW 150, no. 20-0	0.0 %	47.0 kg	8	
10615470	pro P NW 151, no. 0, with outlet opening DN 150	0.0 %	27.2 kg	16	
10615471	pro P NW 151, no. 5-0, with outlet opening DN 150	0.0 %	31.0 kg	12	
10615472	pro P NW 151, no. 10-0, with outlet opening DN 150	0.0 %	34.2 kg	12	
10615474	pro P NW 151, no. 20-0, with outlet opening DN 150	0.0 %	44.1 kg	8	

BG-FILCOTEN® pro mini incl. edges, NW 150

Drainage channel made of FILCOTEN® HPC (High Performance Concrete) with integrated galvanised steel (V), ductile iron (G), stainless steel (E) edge up to class E, or a plastic (P) edge up to class C – very low construction height

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10515202	pro V mini NW 150, H = 100 mm	0.0 %	18.9 kg	24	
10515200	pro V mini NW 150, H = 120 mm ¹⁾	0.0 %	20.2 kg	20	
10515201	pro V mini NW 150, H = 170 mm ¹⁾	0.0 %	22.3 kg	16	
10515272	pro V mini NW 151, H = 100 mm, with outlet opening DN 150	0.0 %	18.0 kg	24	
10515270	pro V mini NW 151, H = 120 mm, with outlet opening DN 150	0.0 %	19.3 kg	20	
10515271	pro V mini NW 151, H = 170 mm, with outlet opening DN 150	0.0 %	21.4 kg	16	
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10515102	pro G mini NW 150, H = 100 mm	0.0 %	19.8 kg	24	
10515100	pro G mini NW 150, H = 120 mm ¹⁾	0.0 %	21.7 kg	20	
10515101	pro G mini NW 150, H = 170 mm ¹⁾	0.0 %	23.2 kg	16	
10515172	pro G mini NW 151 H = 100 mm, with outlet opening DN 150	0.0 %	18.9 kg	24	
10515170	pro G mini NW 151 H = 120 mm, with outlet opening DN 150	0.0 %	20.8 kg	20	
10515171	pro G mini NW 151 H = 170 mm, with outlet opening DN 150	0.0 %	22.3 kg	16	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10515302	pro E mini NW 150, H = 100 mm ¹⁾	0.0 %	18.9 kg	24	
10515300	pro E mini NW 150, H = 120 mm ¹⁾	0.0 %	20.2 kg	20	
10515301	pro E mini NW 150, H = 170 mm ¹⁾	0.0 %	22.3 kg	16	
10515372	pro E mini NW 151, H = 100 mm, with outlet opening DN 150 ¹⁾	0.0 %	18.0 kg	24	
10515370	pro E mini NW 151, H = 120 mm, with outlet opening DN 150 ¹⁾	0.0 %	19.3 kg	20	
10515371	pro E mini NW 151, H = 170 mm, with outlet opening DN 150 ¹⁾	0.0 %	22.3 kg	16	
Item no.	Channel body with plastic edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10515402	pro P mini NW 150, H = 100 mm ¹⁾	0.0 %	16.3 kg	24	
10515400	pro P mini NW 150, H = 120 mm ¹⁾	0.0 %	18.2 kg	20	
10515401	pro P mini NW 150, H = 170 mm ¹⁾	0.0 %	19.7 kg	16	
10515472	pro P mini NW 151, H = 100 mm, with outlet opening DN 150 ¹⁾	0.0 %	15.4 kg	24	
10515470	pro P mini NW 151, H = 120 mm, with outlet opening DN 150 ¹⁾	0.0 %	17.3 kg	20	
10515471	pro P mini NW 151, H = 170 mm, with outlet opening DN 150 ¹⁾	0.0 %	18.8 kg	16	



References



Gratings

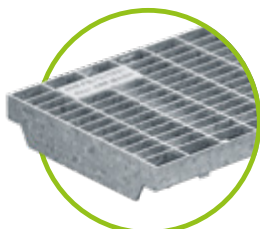
for BG-FILCOTEN® pro and pro mini with galvanised steel (V), ductile iron (G), stainless steel (E) or plastic (P) edge, NW 150

Item no.	Gratings with fiX locking system (no bolt connections)	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17015220	pro mesh grating, 1000/172/20, MW 30/10	B 125	4.6 kg	68	
17015221	pro mesh grating, 500/172/20, MW 30/10	B 125	2.4 kg	48	
17015222	pro mesh grating, 1000/172/20, MW 30/10	C 250	6.9 kg	68	
17015223	pro mesh grating, 500/172/20, MW 30/10	C 250	3.6 kg	48	
17015322	pro mesh grating, 1000/172/20, MW 30/10, stainless steel ¹⁾	C 250	6.9 kg	68	
17015323	pro mesh grating, 500/172/20, MW 30/10, stainless steel ¹⁾	C 250	3.6 kg	48	
17015226	pro mesh grating, 1000/172/20, MW 25/10 ¹⁾	D 400	10.4 kg	68	
17015227	pro mesh grating, 500/172/20, MW 25/10 ¹⁾	D 400	5.3 kg	48	
17015228	pro perforated grating 1000/172/20, Ø 6.0 mm	C 250	10.0 kg	40	
17015229	pro perforated grating 500/172/20, Ø 6.0 mm	C 250	5.0 kg	28	
17015328	pro perforated grating, 1000/172/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	10.0 kg	40	
17015329	pro perforated grating, 500/172/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	5.0 kg	28	
NEW NEW 17015403	pro plastic slotted grating, 500/172/20, SW 10/58	B 125	1.8 kg	150	
17015404	pro plastic slotted grating, 500/172/20, SW 10/58	C 250	2.0 kg	150	
17015101	pro ductile iron longitudinal bar grating, 500/172/20, MW 29/13	C 250	5.5 kg	128	
17015104	pro ductile iron longitudinal bar grating, 500/172/20, MW 29/13	D 400	5.5 kg	128	
17015110	pro ductile iron longitudinal bar grating, 500/172/20, MW 28/9	D 400	5.5 kg	128	
17015111	pro ductile iron slotted grating, 500/172/20, SW 10/150	B 125	4.5 kg	128	
17015105	pro ductile iron slotted grating, 500/172/20, SW 14/150	E 600	5.5 kg	96	
17015183	pro ductile iron design grating "KIARO" 500/172/20, SW 7 ^{1) 2)}	D 400	6.0 kg	128	
17015184	pro ductile iron design grating "VIA" 500/172/20, SW 7 ^{1) 2)}	D 400	5.6 kg	128	
17015185	pro ductile iron design grating "RIVER" 500/172/20, SW 8 ¹⁾	D 400	6.1 kg	128	
17015180	pro ductile iron design grating "VILLE" 500/172/20, SW 7 ¹⁾	E 600	8.6 kg	128	
32088	pro anti-vandalism locking device Requirement: 2 pieces per cover	stainless steel	0.1 kg		
Item no.	Gratings 4 point bolttable (only in cast iron edge)	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17015108	pro ductile iron slotted grating 500/172/20, SW 14/150 ²⁾	D 400	5.5 kg	128	
17015102	pro ductile iron longitudinal bar grating 500/172/20, MW 25/13 ²⁾	D 400	5.2 kg	128	
17015103	pro ductile iron longitudinal bar grating 500/172/20, MW 22/13 ²⁾	E 600	7.2 kg	128	
17015113	pro ductile iron cover, closed, 500/172/20 ^{1) 2)}	E 600	7.9 kg	96	
32103	pro bolting material for ductile iron grating class D and E (1 x bolt, 1 x nut – 8 pcs. required per m)				
32109	pro locking device kit stainless steel for ductile iron grating class D and E (1 pc. bolt, 1 pc. nut – 8 pcs. required per m)				
Item no.	BG-FILCOTEN® slot tops V / E asymmetric incl. accessories	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
	Slot tops class C – see BG-FILCOTEN® tec NW 150				
	Slot tops class D – on request				

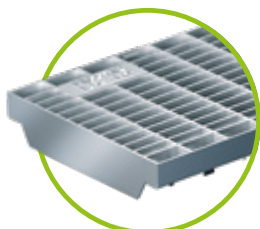
Accessories

for BG-FILCOTEN® pro and pro mini with galvanised steel (V), ductile iron (G), stainless steel (E) or plastic (P) edge, NW 150

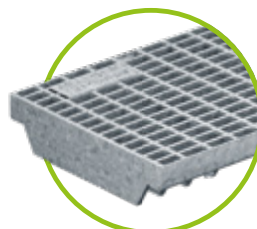
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
10615292	pro sump unit V, 500/200/690 incl. pipe coupling DN 150 and plastic silt bucket	FILCOTEN® HPC	44.8 kg	8	
10615192	pro sump unit G, 500/200/690 incl. pipe coupling DN 150 and plastic silt bucket	FILCOTEN® HPC	45.3 kg	8	
10615392	pro sump unit E, 500/200/690 incl. pipe coupling DN 150 and plastic silt bucket ¹⁾	FILCOTEN® HPC	44.8 kg	8	
NEW 10615492	pro sump unit P, 500/200/690 incl. pipe coupling DN 150 and plastic silt bucket	FILCOTEN® HPC	43.6 kg	8	
30057	Odour trap for sump unit for backfitting DN 150	plastic	0.2 kg		
19015230	pro front cap (no. 0 – 10-0)	galvanised	0.5 kg		
19015231	pro end cap with outlet DN 150 (no. 0 – 10-0)	galvanised	0.6 kg		
19015215	pro front cap (no. 20-0)	galvanised	0.6 kg		
19015216	pro end cap with outlet DN 150 (no. 20-0)	galvanised	0.7 kg		
19015330	pro front cap (no. 0 – 10-0) ¹⁾	stainless steel	0.5 kg		
19015331	pro end cap with outlet DN 150 (no. 0 – 10-0) ¹⁾	stainless steel	0.6 kg		
19015315	pro front cap (no. 20-0) ¹⁾	stainless steel	0.6 kg		
19015316	pro end cap with outlet DN 150 (no. 20-0) ¹⁾	stainless steel	0.7 kg		
19015200	pro mini front cap (H = 100 and H = 120 mm)	galvanised	0.3 kg		
19015300	pro mini front cap (H = 100 and H = 120 mm) ¹⁾	stainless steel	0.3 kg		
19020926	SET installation supports, size 2, lower section, including nuts ⁴⁾	galvanised	1.2 kg		
19000401	SET installation chair upper section, universal NW 100 – 300, incl. retaining screws	plastic	0.6 kg		



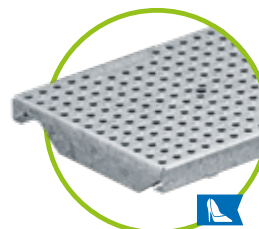
Mesh grating MW 30/10
class B, galvanised



Mesh grating MW 30/10
class C, galvanised & stainless steel



Mesh grating MW 25/10,
class D, galvanised



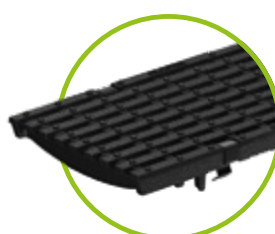
Perforated grating, Ø 6.0 mm, class C
galvanised & stainless steel



Plastic slotted grating
SW 10/58, class B & C
plastic PA6



Ductile iron longitudinal bar grating
MW 29/13, class C or class D



Ductile iron longitudinal bar grating
MW 28/9 class D



Ductile iron longitudinal bar grating
MW 25/13 up to class D
MW 22/13 up to class E, 4-point bolted
only available in cast iron edge



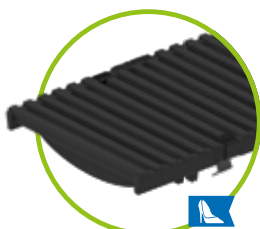
Ductile iron slotted grating SW 10/150
class E with fiX locking system



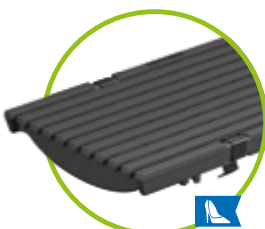
Ductile iron slotted grating SW 14/150
Class E with fiX locking system
Class D 4-point bolted



Ductile iron cover,
Closed, class E
4 point boltable



Ductile iron design grating
KIARO, class D, SW 7



Ductile iron design grating
VIA, class D, SW 7



Ductile iron design grating
RIVER, class D, SW 8

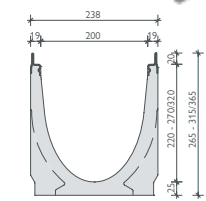
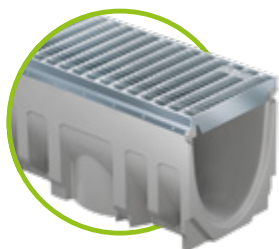


Ductile iron design grating
VILLE, class E, SW 7

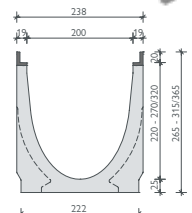
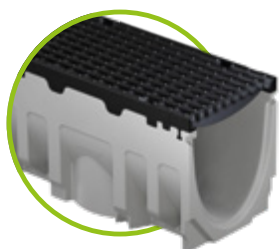
up to class E 600

BG-FILCOTEN[®]

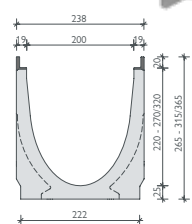
pro



Galvanised
or stainless steel edge



Ductile iron edge



Plastic edge

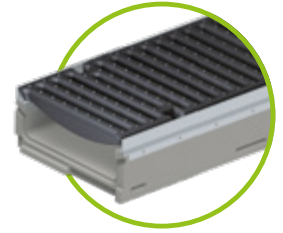
BG-FILCOTEN[®] pro incl. edges, NW 200

Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) with integrated galvanised steel (V), ductile iron (G), stainless steel (E) edge, up to class E, or a plastic (P) edge up to class C.

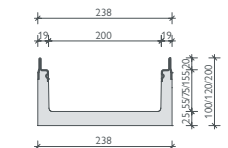
Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10620200	pro V NW 200, no. 0	0.0 %	44.0 kg	9	
10620280	pro V NW 200, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	22.1 kg	12	
10620261	pro V NW 200, no. 5-0	0.0 %	49.3 kg	6	
10620281	pro V NW 200, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	29.6 kg	12	
10620262	pro V NW 200, no. 10-0	0.0 %	54.3 kg	6	
10620264	pro V NW 200, no. 20-0	0.0 %	64.6 kg	6	
10620270	pro V NW 201, no. 0, with outlet opening DN 200	0.0 %	41.1 kg	9	
10620271	pro V NW 201, no. 5-0, with outlet opening DN 200	0.0 %	46.1 kg	6	
10620272	pro V NW 201, no. 10-0, with outlet opening DN 200	0.0 %	51.1 kg	6	
10620274	pro V NW 201, no. 20-0, with outlet opening DN 200	0.0 %	61.4 kg	6	
10620201-10	pro V NW 200, no. 1 to no. 10	0.5 %	44.5-53.9 kg	6	
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10620100	pro G NW 200, no. 0	0.0 %	45.0 kg	9	
10620180	pro G NW 200, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	22.6 kg	12	
10620161	pro G NW 200, no. 5-0	0.0 %	50.3 kg	6	
10620181	pro G NW 200, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	30.1 kg	12	
10620162	pro G NW 200, no. 10-0	0.0 %	55.3 kg	6	
10620164	pro G NW 200, no. 20-0	0.0 %	65.6 kg	6	
10620170	pro G NW 201, no. 0, with outlet opening DN 200	0.0 %	42.1 kg	9	
10620171	pro G NW 201, no. 5-0, with outlet opening DN 200	0.0 %	47.1 kg	6	
10620172	pro G NW 201, no. 10-0, with outlet opening DN 200	0.0 %	52.1 kg	6	
10620174	pro G NW 201, no. 20-0, with outlet opening DN 200	0.0 %	62.4 kg	6	
10620101-10	pro G NW 200, no. 1 to no. 10	0.5 %	45.5-54.9 kg	6	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10620300	pro E NW 200, no. 0 ¹⁾	0.0 %	44.0 kg	9	
10620362	pro E NW 200, no. 10-0 ¹⁾	0.0 %	54.3 kg	6	
10620370	pro E NW 201, no. 0, with outlet opening DN 200 ¹⁾	0.0 %	41.1 kg	9	
10620372	pro E NW 201, no. 10-0, with outlet opening DN 200 ¹⁾	0.0 %	51.1 kg	6	
10620301-10	pro E NW 200, no. 1 to no. 10 ¹⁾	0.5 %	44.5-53.9 kg	6	
Item no.	Channel body with plastic edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10620400	pro P NW 200, no. 0	0.0 %	41.5 kg	9	
10620480	pro P NW 200, no. 0, L = 500 mm, for drilling ²⁾	0.0 %	24.9 kg	12	
10620461	pro P NW 200, no. 5-0	0.0 %	46.8 kg	6	
10620481	pro P NW 200, no. 5-0, L = 500 mm, for drilling ²⁾	0.0 %	27.1 kg	12	
10620462	pro P NW 200, no. 10-0	0.0 %	51.8 kg	6	
10620482	pro P NW 200, no. 10-0, L = 500 mm	0.0 %	25.8 kg	12	
10620464	pro P NW 200, no. 20-0	0.0 %	62.1 kg	6	
10620484	pro P NW 200, no. 20-0, L = 500 mm	0.0 %	31.1 kg	12	
10620470	pro P NW 201, no. 0, with outlet opening DN 200	0.0 %	38.6 kg	9	
10620471	pro P NW 201, no. 5-0, with outlet opening DN 200	0.0 %	43.6 kg	6	
10620472	pro P NW 201, no. 10-0, with outlet opening DN 200	0.0 %	48.6 kg	6	
10620474	pro P NW 201, no. 20-0, with outlet opening DN 200	0.0 %	58.9 kg	6	

BG-FILCOTEN® pro mini incl. edges, NW 200

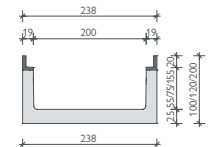
Drainage channel made of FILCOTEN® HPC (High Performance Concrete) with integrated galvanised steel (V), ductile iron (G), stainless steel (E) edge up to class E, or a plastic (P) edge up to class C – very low construction height



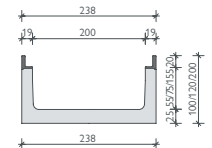
Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10520202	pro V mini NW 200, H = 100 mm	0.0 %	21.3 kg	24	
10520200	pro V mini NW 200, H = 120 mm ¹⁾	0.0 %	23.2 kg	18	
10520201	pro V mini NW 200, H = 200 mm ¹⁾	0.0 %	28.5 kg	12	
10520272	pro V mini NW 201, H = 100 mm, with outlet opening DN 200	0.0 %	19.4 kg	24	
10520270	pro V mini NW 201, H = 120 mm, with outlet opening DN 200	0.0 %	21.3 kg	18	
10520271	pro V mini NW 201, H = 200 mm, with outlet opening DN 200	0.0 %	26.8 kg	12	
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10520102	pro G mini NW 200, H = 100 mm	0.0 %	22.8 kg	24	
10520100	pro G mini NW 200, H = 120 mm ¹⁾	0.0 %	24.4 kg	18	
10520101	pro G mini NW 200, H = 200 mm ¹⁾	0.0 %	29.4 kg	12	
10520172	pro G mini NW 201 H = 100 mm, with outlet opening DN 200	0.0 %	20.9 kg	24	
10520170	pro G mini NW 201 H = 120 mm, with outlet opening DN 200	0.0 %	22.5 kg	18	
10520171	pro G mini NW 201 H = 200 mm, with outlet opening DN 200	0.0 %	27.7 kg	12	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10520302	pro E mini NW 200, H = 100 mm ¹⁾	0.0 %	21.3 kg	24	
10520300	pro E mini NW 200, H = 120 mm ¹⁾	0.0 %	23.2 kg	18	
10520301	pro E mini NW 200, H = 200 mm ¹⁾	0.0 %	28.5 kg	12	
10520372	pro E mini NW 201, H = 100 mm, with outlet opening DN 200 ¹⁾	0.0 %	19.4 kg	24	
10520370	pro E mini NW 201, H = 120 mm, with outlet opening DN 200 ¹⁾	0.0 %	21.3 kg	18	
10520371	pro E mini NW 201, H = 200 mm, with outlet opening DN 200 ¹⁾	0.0 %	26.8 kg	12	
Item no.	Channel body with plastic edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10520402	pro P mini NW 200, H = 100 mm ¹⁾	0.0 %	19.3 kg	24	
10520400	pro P mini NW 200, H = 120 mm ¹⁾	0.0 %	20.9 kg	18	
10520401	pro P mini NW 200, H = 200 mm ¹⁾	0.0 %	25.9 kg	12	
10520472	pro P mini NW 201, H = 100 mm, with outlet opening DN 200 ¹⁾	0.0 %	17.4 kg	24	
10520470	pro P mini NW 201, H = 120 mm, with outlet opening DN 200 ¹⁾	0.0 %	19.0 kg	18	
10520471	pro P mini NW 201, H = 200 mm, with outlet opening DN 200 ¹⁾	0.0 %	24.2 kg	12	



Galvanised or stainless steel edge

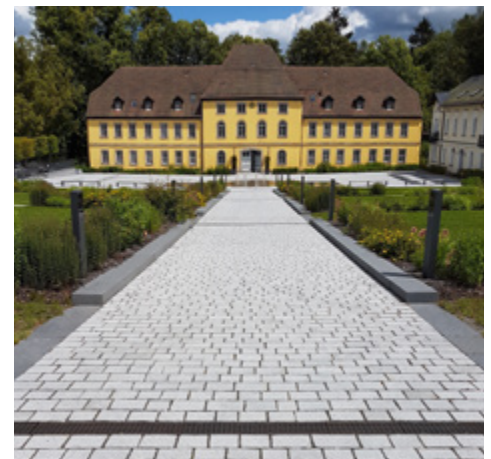


Ductile iron edge



Plastic edge

References



Gratings

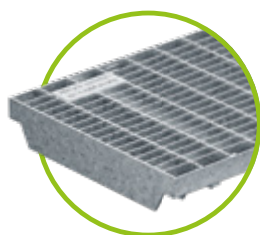
for BG-FILCOTEN® pro and pro mini with galvanised steel (V), ductile iron (G), stainless steel (E) or plastic (P) edge, NW 200

Item no.	Gratings with fiX locking system (no bolt connections)	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17020220	pro mesh grating, 1000/222/20, MW 30/10	B 125	6.0 kg	60	
17020221	pro mesh grating, 500/222/20, MW 30/10	B 125	3.1 kg	28	
17020222	pro mesh grating, 1000/222/20, MW 30/10	C 250	8.8 kg	60	
17020223	pro mesh grating, 500/222/20, MW 30/10	C 250	4.5 kg	28	
17020322	pro mesh grating, 1000/222/20, MW 30/10, stainless steel ¹⁾	C 250	8.8 kg	60	
17020323	pro mesh grating, 500/222/20, MW 30/10, stainless steel ¹⁾	C 250	4.5 kg	28	
17020226	pro mesh grating, 1000/222/20, MW 25/10 ¹⁾	D 400	15.7 kg	30	
17020227	pro mesh grating, 500/222/20, MW 25/10 ¹⁾	D 400	8.0 kg	21	
17020228	pro perforated grating 1000/222/20, Ø 6.0 mm ¹⁾	C 250	13.5 kg	60	
17020229	pro perforated grating 500/222/20, Ø 6.0 mm ¹⁾	C 250	6.7 kg	28	
17020328	pro perforated grating, 1000/222/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	13.5 kg	60	
17020329	pro perforated grating, 500/222/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	6.7 kg	28	
17020101	pro ductile iron longitudinal bar grating, 500/222/20, MW 29/13	C 250	7.3 kg	98	
17020104	pro ductile iron longitudinal bar grating, 500/222/20, MW 29/13	D 400	7.7 kg	98	
17020105	pro ductile iron slotted grating, 500/222/20, SW 14/200	E 600	8.9 kg	98	
17020183	pro ductile iron design grating "KIARO" 500/222/20, SW 7 ^{1) 2)}	D 400	7.9 kg	70	
17020184	pro ductile iron design grating "VIA" 500/222/20, SW 6 ^{1) 2)}	D 400	8.2 kg	70	
17020180	pro ductile iron design grating "VILLE" 500/222/20, SW 7 ¹⁾	E 600	10.8 kg	70	
32089	pro anti-vandalism locking device Requirement: 2 pieces per cover	stainless steel	0.1 kg		
Item no.	Gratings 4 point bolttable (only in cast iron edge)	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17020108	pro ductile iron slotted grating 500/222/20, SW 14/200 ³⁾	D 400	7.9 kg	105	
17020103	pro ductile iron longitudinal bar grating 500/222/20, MW 22/13 ³⁾	E 600	9.5 kg	98	
17020113	pro ductile iron cover, closed, 500/222/20 ¹⁾	E 600	11.2 kg	70	
32103	pro bolting material for ductile iron grating class D and E (1 x bolt, 1 x nut – 8 pcs. required per m)				
32109	pro locking device kit stainless steel for ductile iron grating class D and E (1 pc. bolt, 1 pc. nut – 8 pcs. required per m)				

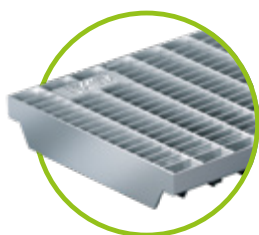
Accessories

for BG-FILCOTEN® pro and pro mini with galvanised steel (V), ductile iron (G), stainless steel (E) or plastic (P) edge, NW 200

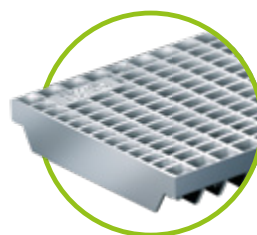
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
10620292	pro sump unit V, 500/265/750 incl. pipe coupling DN 200 and plastic silt bucket	FILCOTEN® HPC	48.7 kg	6	
10620192	pro sump unit G, 500/265/750 incl. pipe coupling DN 200 and plastic silt bucket	FILCOTEN® HPC	49.1 kg	6	
10620392	pro sump unit E, 500/265/750 incl. pipe coupling DN 200 and plastic silt bucket ¹⁾	FILCOTEN® HPC	48.7 kg	6	
NEW 10620492	pro sump unit P 500/265/750, incl. pipe coupling DN 200 and plastic silt bucket	FILCOTEN® HPC	47.4 kg	6	
19020230	pro front cap (no. 0 – 10-0)	galvanised	0.8 kg		
19020231	pro end cap with outlet DN 200 (no. 0 – 10-0)	galvanised	1.1 kg		
19020215	pro front cap (no. 20-0)	galvanised	0.9 kg		
19020216	pro end cap with outlet DN 200 (no. 20-0)	galvanised	1.2 kg		
19020330	pro front cap (no. 0 – 10-0) ¹⁾	stainless steel	0.8 kg		
19020331	pro end cap with outlet DN 200 (no. 0 – 10-0) ¹⁾	stainless steel	1.1 kg		
19020315	pro front cap (no. 20-0) ¹⁾	stainless steel	0.9 kg		
19020316	pro end cap with outlet DN 200 (no. 20-0) ¹⁾	stainless steel	1.2 kg		
19015200	pro mini front cap (H = 100 and H = 120 mm)	galvanised	0.3 kg		
19015300	pro mini front cap (H = 100 and H = 120 mm) ¹⁾	stainless steel	0.3 kg		
19020926	SET installation supports, size 2, lower section, including nuts ⁴⁾	galvanised	1.2 kg		
19000401	SET installation chair upper section, universal NW 100 – 300, incl. retaining screws	plastic	0.6 kg		



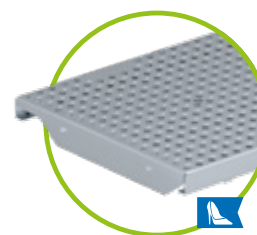
Mesh grating MW 30/10, class B galvanised



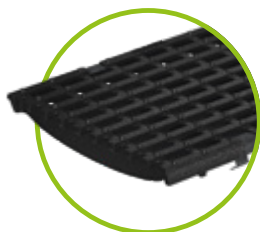
Mesh grating MW 30/10, class C galvanised & stainless steel



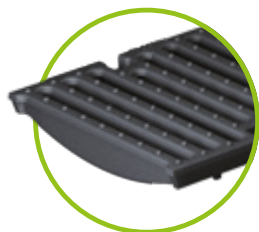
Mesh grating MW 25/10, class D galvanised



Perforated grating, Ø 6.0 mm, class C galvanised & stainless steel



Ductile iron longitudinal bar grating MW 29/13, class C or class D



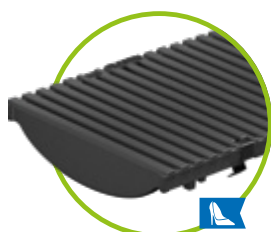
Ductile iron slotted grating SW 14/200 Class E with fiX locking system Class D 4-point bolted



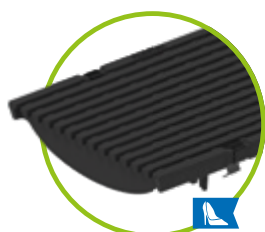
Ductile iron longitudinal bar grating MW 22/13 up to class E 4 point boltable Only available for cast iron edge



Ductile iron cover, Closed, class E 4 point boltable



Ductile iron design grating KIARO, class D, SW 7



Ductile iron design grating VIA, class D, SW 6



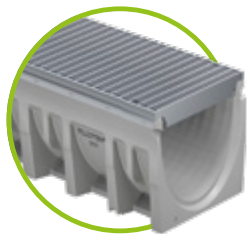
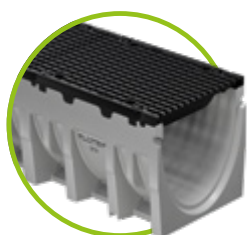
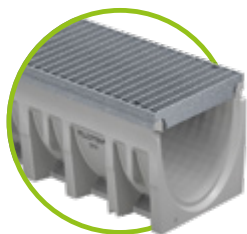
Ductile iron design grating VILLE, class E, SW 7

up to class E 600

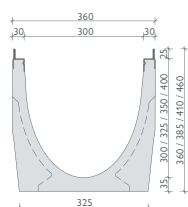
BG-FILCOTEN®
pro

BG-FILCOTEN® pro incl. edges, NW 300

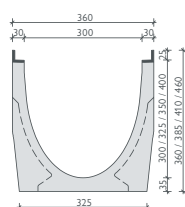
Drainage channel made of FILCO^{TEN}® HPC (High Performance Concrete) with integrated galvanised steel (V), ductile iron (G) or stainless steel (E) edge, up to class E



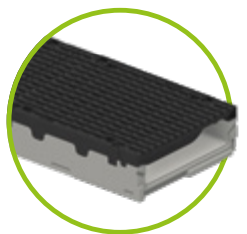
Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10630200	pro V NW 300, no. 0	0.0 %	78.0 kg	6	
10630280	pro V NW 300, no. 0, L = 500 mm	0.0 %	37.9 kg	4	
10630261	pro V NW 300, no. 5-0 ¹⁾	0.0 %	84.5 kg	6	
10630262	pro V NW 300, no. 10-0 ¹⁾	0.0 %	88.6 kg	6	
10630264	pro V NW 300, no. 20-0 ¹⁾	0.0 %	109.0 kg	6	
10630270	pro V NW 301, no. 0, with outlet opening DN 200	0.0 %	71.8 kg	6	
10630271	pro V NW 301, no. 5-0, with outlet opening DN 200	0.0 %	78.4 kg	6	
10630272	pro V NW 301, no. 10-0, with outlet opening DN 200	0.0 %	84.8 kg	6	
10630274	pro V NW 301, no. 20-0, with outlet opening DN 200	0.0 %	105.2 kg	6	
10630201-10	pro V NW 300, no. 1 to no. 10 ¹⁾	0.5 %	78.5-88.0 kg	6	
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10630100	pro G NW 300, no. 0	0.0 %	81.0 kg	6	
10630180	pro G NW 300, no. 0, L = 500 mm	0.0 %	40.5 kg	4	
10630161	pro G NW 300, no. 5-0 ¹⁾	0.0 %	86.5 kg	6	
10630162	pro G NW 300, no. 10-0 ¹⁾	0.0 %	92.5 kg	6	
10630164	pro G NW 300, no. 20-0 ¹⁾	0.0 %	110.7 kg	6	
10630170	pro G NW 301, no. 0, with outlet opening DN 200	0.0 %	77.2 kg	6	
10630171	pro G NW 301, no. 5-0, with outlet opening DN 200	0.0 %	82.7 kg	6	
10630172	pro G NW 301, no. 10-0, with outlet opening DN 200	0.0 %	86.5 kg	6	
10630174	pro G NW 301, no. 20-0, with outlet opening DN 200	0.0 %	106.9 kg	6	
10630101-10	pro G NW 300, no. 1 to no. 10 ¹⁾	0.5 %	81.5-91.0 kg	6	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10630300	pro E NW 300, no. 0 ¹⁾	0.0 %	75.6 kg	6	
10630380	pro E NW 300, no. 0, L = 500 mm	0.0 %	37.9 kg	4	
10630361	pro E NW 300, no. 5-0	0.0 %	82.2 kg	6	
10630362	pro E NW 300, no. 10-0	0.0 %	88.6 kg	6	
10630364	pro E NW 300, no. 20-0	0.0 %	109.0 kg	6	
10630370	pro E NW 301, no. 0, with outlet opening DN 200 ¹⁾	0.0 %	71.8 kg	6	
10630371	pro E NW 301, no. 5-0, with outlet opening DN 200 ¹⁾	0.0 %	78.4 kg	6	
10630372	pro E NW 301, no. 10-0, with outlet opening DN 200 ¹⁾	0.0 %	84.8 kg	6	
10630374	pro E NW 301, no. 20-0, with outlet opening DN 200 ¹⁾	0.0 %	105.2 kg	6	
10630301-10	pro E NW 300, no. 1 to no. 10 ¹⁾	0.5 %	76.3-88.0 kg	6	



Galvanised or
stainless steel edge



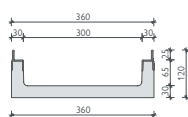
Ductile iron edge



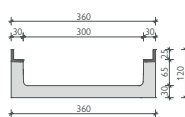
BG-FILCOTEN® pro mini incl. edges, NW 300

Drainage channel made of FILCO^{TEN}® HPC (High Performance Concrete) with integrated galvanised steel (V), ductile iron (G) or stainless steel (E) edge, up to class E – very low construction height

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10530200	pro V mini NW 300, H = 120 mm ¹⁾	0.0 %	36.2 kg	12	
10530270	pro V mini NW 301, H = 120 mm, with outlet opening DN 200	0.0 %	34.2 kg	12	
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10530100	pro G mini NW 300, H = 120 mm	0.0 %	37.9 kg	12	
10530170	pro G mini NW 301, H = 120 mm, with outlet opening DN 200	0.0 %	35.9 kg	12	
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10530300	pro E mini NW 300, H = 120 mm ¹⁾	0.0 %	36.2 kg	12	
10530370	pro E mini NW 301, H = 120 mm, with outlet opening DN 200 ¹⁾	0.0 %	34.2 kg	12	



Galvanised steel or
stainless steel edge
CH 120 mm



Ductile iron edge
BH 120 mm

Gratings and accessories

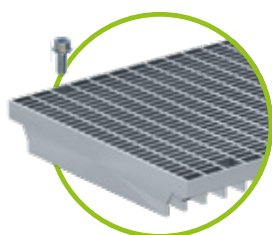
for BG-FILCOTEN® pro and pro mini with galvanised steel (V),
ductile iron (G) or stainless steel (E) edge, NW 300

Item no.	Gratings with fiX locking system, also 4-point bolted	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17030102	pro ductile iron longitudinal bar grating, 500/347/25, MW 29/13 ²⁾	D 400	15.2 kg	30	
17030103	pro ductile iron longitudinal bar grating, 500/347/25, MW 29/13 ²⁾	E 600	17.9 kg	30	
17030108	pro ductile iron slotted grating, 500/347/25, SW 16/300 ²⁾	D 400	17.4 kg	30	
Item no.	Gratings 4 point boltable	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17030222	pro mesh grating 1000/347/25, MW 30/10 ²⁾	C 250	23.1 kg	24	
17030223	pro mesh grating 500/347/25, MW 30/10 ²⁾	C 250	11.6 kg	24	
17030322	pro mesh grating 1000/347/25, MW30/10, stainless steel ^{1) 2)}	C 250	25.9 kg	24	
17030323	pro mesh grating 500/347/25, MW30/10, stainless steel ^{1) 2)}	C 250	13.2 kg	24	
17030183	pro ductile iron design grating "KIARO" 500/347/25, SW 7 ^{1) 2)}	D 400	19.3 kg	30	
17030184	pro ductile iron design grating "VIA" 500/347/25, SW 6 ^{1) 2)}	D 400	17.5 kg	30	
17030180	pro ductile iron design grating "VILLE" 500/347/25, SW 8 ^{1) 2)}	E 600	20.0 kg	30	
17030109	pro ductile iron cover, closed, 500/347/25 ²⁾	F 900	25.4 kg	30	
NEW 17030330	pro longitudinal bar design grating 1000/347/25, bar spacing 4 mm ^{1) 2)}	A 15	14.7 kg	24	
NEW 17030331	pro longitudinal bar design grating 500/347/25, bar spacing 4 mm ^{1) 2)}	A 15	7.4 kg	24	
32112	pro bolting material for mesh grating class C (1 pc. bolt, 1 pc. nut – 4 pcs. required per m)				
32110	pro bolting material for ductile iron grating class D and E (1 x bolt, 1 x nut – 8 pcs. required per m)				
32122	pro bolting material, stainless steel, for ductile iron grating class D and E (1 x bolt, 1 x. nut – 8 pcs. required per m)				
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
10630292	pro sump unit V, 560/520/950, 2-part, incl. pipe coupling DN 200 and silt bucket made of galvanised steel	FILCOTEN® HPC	126.2 kg	2	
10630192	pro sump unit G, 560/520/950 incl. pipe coupling DN 200 and silt bucket made of galvanised steel	FILCOTEN® HPC	127.0 kg	2	
NEW 10630392	pro sump unit E 560/520/950, 2-part, incl. pipe coupling DN 200 and silt bucket made of galvanised steel	FILCOTEN® HPC	123.0 kg	2	
19030213	pro front cap (no. 0 – 20-0)	galvanised	1.7 kg		
19030214	pro end cap with outlet DN 200 (no. 0 – 20-0)	galvanised	1.6 kg		
19030210	pro mini front cap (H = 120 mm)	galvanised	0.5 kg		
19030313	pro front cap (no. 0 – 20-0)	stainless steel	1.7 kg		
19030314	pro end cap with outlet DN 200 (no. 0 – 20-0)	stainless steel	1.6 kg		
19030310	pro mini front cap (H = 120 mm)	stainless steel	0.5 kg		
19030926	SET installation supports, size 3, lower section, including nuts ³⁾	galvanised	1.4 kg		
19000401	SET installation chair upper section, universal NW 100 – 300, incl. retaining screws	plastic	0.6 kg		

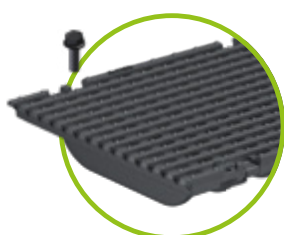


With NW 300, gratings can also be bolted onto the stainless steel and galvanised edge.

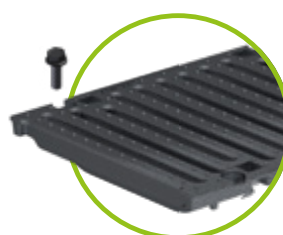
Gratings: BG-FILCOTEN® pro and pro mini NW 300



Mesh grating MW 30/10
Class C, galvanised & stainless steel
4 point boltable



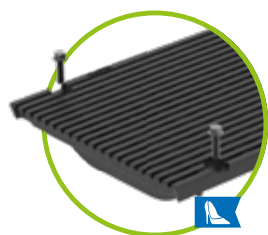
Ductile iron longitudinal bar grating
MW 29/13, class D or class E
4 point boltable



Ductile iron slotted grating
SW 16/300, class D
4 point boltable



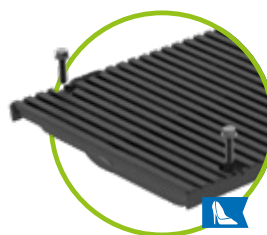
Ductile iron cover
closed, class F
4 point boltable



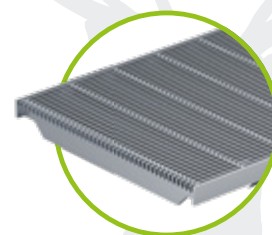
Ductile iron design grating
VIA, class D, SW 6
4 point boltable



Ductile iron design grating
VILLE, class E, SW 8
4 point boltable



Ductile iron design grating
KIARO, class D, SW 7
4 point boltable

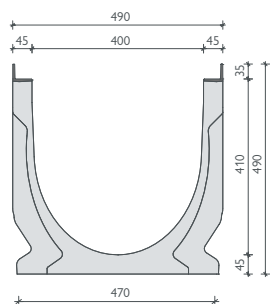


Longitudinal bar design grating,
bar spacing 4 mm
Class A

up to class E 600

BG-FILCOTEN[®]

pro



Ductile iron edge

BG-FILCOTEN[®] pro incl. cast iron edge, NW 400

Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) with integrated cast iron edge (G) up to class E

Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10641100	pro G NW 400, no. 0, L = 1000 mm ¹⁾	0.0 %	146.0 kg	4	
10641170	pro G NW 401, no. 0, L = 1000 mm, with outlet opening DN 200 ¹⁾	0.0 %	143.0 kg	4	



Ductile iron slotted grating
SW 18/215, class E
4 point boltable

Gratings and accessories

for BG-FILCOTEN[®] pro with cast iron edge(G), NW 400

Item no.	Gratings 4 point boltable	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17040181	pro ductile iron slotted grating, 500/474/35, SW 18/215 ²⁾	E 600	34.5 kg	20	
32110	pro bolting material for ductile iron slotted grating (1 x. bolt, 1 x nut – 8 pcs. required per m)				
32122	pro bolting material, stainless steel, for ductile iron slotted grating (1 x bolt, 1 x nut – 8 pcs. required per m)				
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
10640192	pro sump unit G, 560/520/1130 incl. pipe coupling DN 200 and silt bucket made of galvanised steel	FILCOTEN [®] HPC	178.8 kg	2	
10640193	pro sump unit G, 560/540/1230 incl. pipe coupling DN 300 and silt bucket made of galvanised steel	FILCOTEN [®] HPC	226.6 kg	2	
19040213	pro front cap	galvanised	4.5 kg		
19040214	pro end cap with outlet DN 200	galvanised	4.7 kg		
19040215	pro end cap with outlet DN 300	galvanised	4.4 kg		

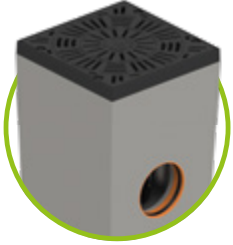


References



BG-FILCOTEN[®]

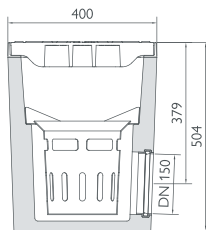
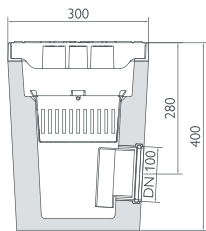
spot HD



BG-FILCOTEN[®] spot HD

Heavy-duty yard gully made of FILCOTEN[®] HPC (High Performance Concrete) up to class E

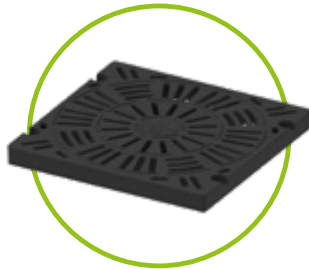
Item no.	Heavy-duty yard gully made of FILCOTEN [®] HPC	Material	Weight	Pcs./Pallet	Euro/pc.
14130100	BG-FILCOTEN [®] spot HD, heavy-duty yard gully SET 300/300/400, E 600, incl. ductile iron grating and frame, plastic silt bucket and pipe coupling DN 100	FILCOTEN [®] HPC	55.1 kg	8	
14140100	BG-FILCOTEN [®] spot HD, heavy-duty yard gully SET 400/400/500, E 600, incl. ductile iron grating and frame, galvanised steel silt bucket, and pipe coupling DN 150	FILCOTEN [®] HPC	93.9 kg	6	



Accessories

Lifting loops for professional installation of the BG-FILCOTEN[®] spot HD

Item no.	Accessories	Material	Weight	Load capacity	
32160	Lifting loops (2 pieces) with M 10 thread	steel	0.06 kg	perp. 0.8 to	



Ductile iron grating in radial design
Class E 600



Lifting loops,
2 pieces per set



Plastic silt bucket for
BG-FILCOTEN[®] spot HD 300



Silt bucket with insert
Galvanised steel silt bucket for
BG-FILCOTEN[®] spot HD 400

The benefits at a glance:

- load class E 600 ¹⁾
- solid, robust and durable
- KTL-coated ductile iron grating and frame
- quadruple safety screw connection
- insensitive to heat and frost
- large inlet cross-section, high drainage performance



Made to take heavy things lightly.

With our new BG-FILCOTEN® spot HD, we offer you a yard gully that makes light work of heavy loads. Its KTL-coated ductile iron grating and frame as well as the quadruple safety screw connection meet the demands of load class E 600 – and thus a wide range of application areas.

From parking areas for cars and trucks to courtyards with fire department access to commercial and logistics areas, the BG-FILCOTEN® spot HD offers efficient drainage even in the most demanding environments.

Recessed inlet grating with 4-point bolting

Ductile iron grating (EN-GJS) in elegant radial design with black, high-quality coating and 4-point bolting. The design can better cope with the longitudinal and lateral forces, thus increasing its load-bearing capacity to class E 600.

Silt bucket with insert

made of galvanized steel retains coarse contamination and enables easy maintenance.

Solid cast frame

made of cast iron with a high-quality coating to support class E 600 gratings. The cast iron frame fits perfectly in the lower FILCOTEN® HPC section to enable the surrounding floor covering to be flush-fitted.

Yard drainage – lower section

made of FILCOTEN® concrete material

Outlet

for a leak-proof sewer pipe connection
DN 100 for spot HD 300
DN 150 for spot HD 400

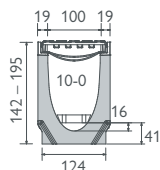


Plastic silt bucket

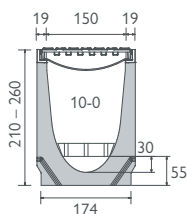
for BG-FILCOTEN® spot HD 300

Areas of application:

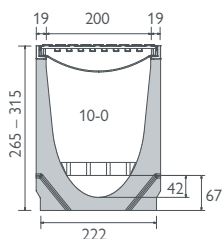
- garden and landscape construction
- courtyards with fire service access
- industrial areas
- logistics area
- parking area (car)
- parking area (truck)
- storage area



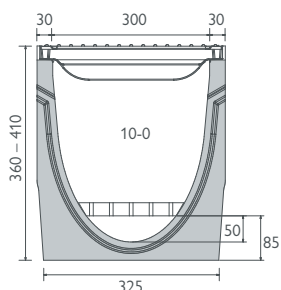
NW 100



NW 150



NW 200



NW 300

BG-FILCOTEN® connect with cast iron edge, NW 100

Drainage channel made of FILCOTEN® HPC (High Performance Concrete) with integrated cast iron edge (G) up to class E

Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10610162	connect, NW 100, no. 10-0	0.0 %	26.1 kg	20	
Item no.	Gratings 4 point boltable	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17010113	Ductile iron cover, 500/122/20, closed cover ¹⁾	E 600	5.3 kg	168	
32103	Bolting material for ductile iron gratings, galvanised (1 x bolt, 1 x nut – 8 pcs. per m required)				
32109	Bolting material for ductile iron gratings, stainless steel (1 x bolt, 1 x nut – 8 pcs. required per m)				
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
19010410	connect cable support, 1000/64/15, MW 31/31	plastic	0.5 kg		
19010230	connect front cap	galvanised	0.3 kg		
19010401	pro front cap, without socket, closed	plastic	0.1 kg		

BG-FILCOTEN® connect with cast iron edge, NW 150

Drainage channel made of FILCOTEN® HPC (High Performance Concrete) with integrated cast iron edge (G) up to class E

Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10615162	connect, NW 150, no. 10-0	0.0 %	40.0 kg	12	
Item no.	Gratings 4 point boltable	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17015113	Ductile iron cover, 500/172/20, closed cover ¹⁾	E 600	7.9 kg	96	
32103	Bolting material for ductile iron gratings, galvanised (1 x bolt, 1 x nut – 8 pcs. per m required)				
32109	Bolting material for ductile iron gratings, stainless steel (1 x bolt, 1 x nut – 8 pcs. required per m)				
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
19015410	connect cable support, 1000/108/25, MW 31/31	plastic	1.2 kg		
19015230	connect front cap	galvanised	0.5 kg		

BG-FILCOTEN® connect with cast iron edge, NW 200

Drainage channel made of FILCOTEN® HPC (High Performance Concrete) with integrated cast iron edge (G) up to class E

Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10620162	connect, NW 200, no. 10-0	0.0 %	55.3 kg	6	
Item no.	Gratings 4 point boltable	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17020113	Ductile iron cover, 500/222/20, closed cover ¹⁾	E 600	11.2 kg	70	
32103	Bolting material for ductile iron gratings, galvanised (1 x bolt, 1 x nut – 8 pcs. per m required)				
32109	Bolting material for ductile iron gratings, stainless steel (1 x bolt, 1 x nut – 8 pcs. required per m)				
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
19020410	connect cable support, 1000/142/25, MW 31/31	plastic	1.7 kg		
19020230	connect front cap	galvanised	0.8 kg		

BG-FILCOTEN® connect with cast iron edge, NW 300

Drainage channel made of FILCOTEN® HPC (High Performance Concrete) with integrated cast iron edge (G) up to class E

Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10630162	connect, NW 300, no. 10-0	0.0 %	92.5 kg	6	
Item no.	Gratings 4 point boltable	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17030109	Ductile iron cover, 500/347/25, closed cover ¹⁾	F 900	25.4 kg	30	
32110	Bolting material for ductile iron gratings, galvanised (1 x bolt, 1 x nut – 8 pcs. per m required)				
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
19030410	connect cable support, 1000/201/25, MW 31/31	plastic	2.3 kg		
19030213	connect front cap	galvanised	1.7 kg		

Your benefits at a glance:

- sturdy, lightweight and durable thanks to the FILCOTEN® HPC
- bolt-mounted grating; nuts and bolts replaceable
- non-conductive due to use of GFR ²⁾
- ideal for exhibition and event halls as well as for factory premises and production plants

Cable spaghetti? Not with us ...

Sturdy, maintenance-free, efficient:

BG-FILCOTEN[®] connect

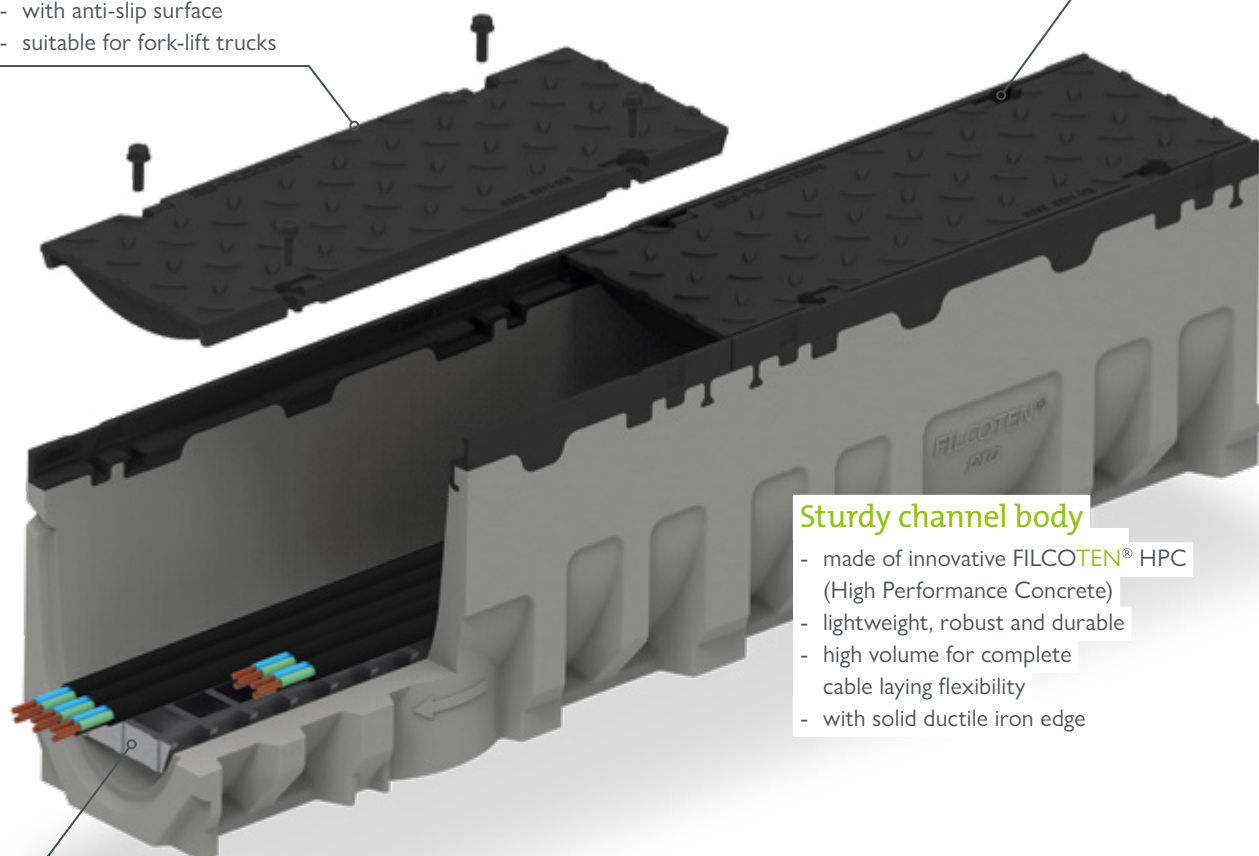
BG-FILCOTEN[®] connect makes laying cable bundles so much simpler. Because this innovative media duct is not only sturdy and lightweight – making it easy to install – its intelligent design means that it is also extremely easy to service and maintain. Giving you the flexibility you need every time.

Closed cover

- class E 600 kN
- with anti-slip surface
- suitable for fork-lift trucks

Grating lock

- integrated fix-locking for quick and easy removal of the grating
- bolt connections optionally available (8 per metre) where the load strain and safety demands are higher



Sturdy channel body

- made of innovative FILCOTEN[®] HPC (High Performance Concrete)
- lightweight, robust and durable
- high volume for complete cable laying flexibility
- with solid ductile iron edge

Functional cable support

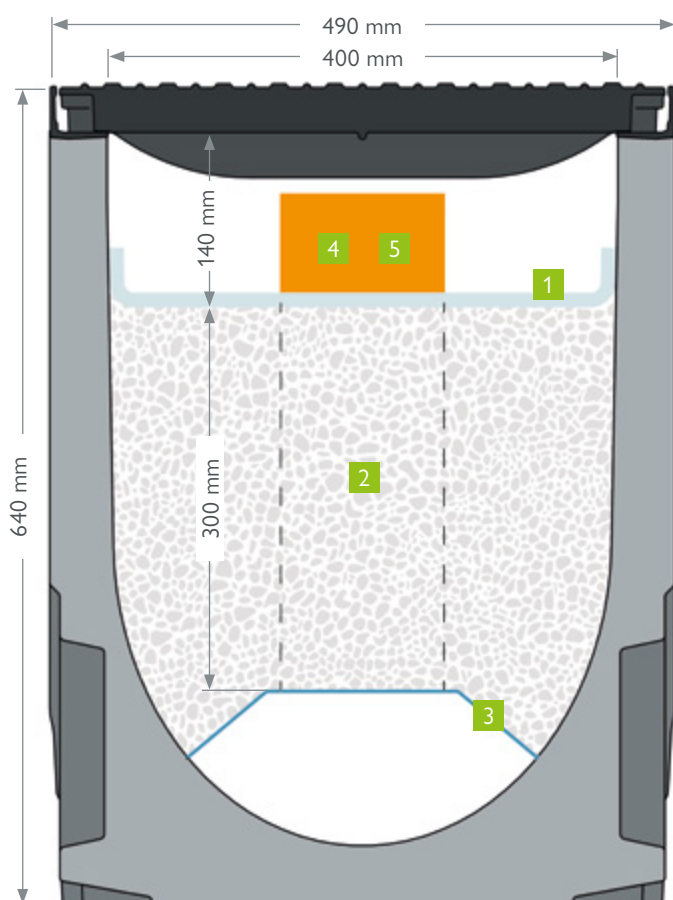
- provides dry support for cables used outdoors should rain ever seep into the system
- electrically non-conductive due to plastic construction

Areas of application:

- exhibition halls
- sports facility
- garage

We are setting a new purity standard for surface water.

The BG-FILCOTEN® green features an innovative filter system, enabling superior cleaning performance. The system is also simple to install and exceptionally easy to maintain.



1 Pre-filter fleece for efficient preclearing.

- pre-filter fleece keeps out coarse dirt, protecting the high-quality technical filter material
- very easy to install, maintain and replace

2 Powerful integrated technical filter.

- **in accordance with ÖWAV RB 45¹⁾**
- multiple applications
- excellent efficiency as well as high and lasting cleaning performance

2 Innovative cleaning filter material.

- **tested in accordance with ÖNORM B2506-3¹⁾**
- optimised filter material quantity (height: 300 mm)
- highest cleaning performance class
- homogeneous material, no separation during use
- eliminates risk of remobilising heavy metals caused by surface water containing de-icing salts

3 Trapezoid-shaped, stainless steel perforated sheet metal.

- separates the filter substrate zone from the drainage area, keeping the transverse drainage section permanently clear
- optimised perforated surface for maximum water flow

4 Integrated control & water sampling shaft.

- control/water abstraction shaft for visual inspection and sampling
- exceptionally easy to handle: Remove the grating and take the water sample
- then remove the purified water and test for ingredients

5 Innovative DN 150 overflow for efficient stormwater drainage.

- effective protection even in the most extreme rainfall
- technical filter for cleaning the polluted first flush
- controlled drainage of unpolluted excess water through the overflow pipe
- **ATTENTION!** Approval of the authority must be given for this device.

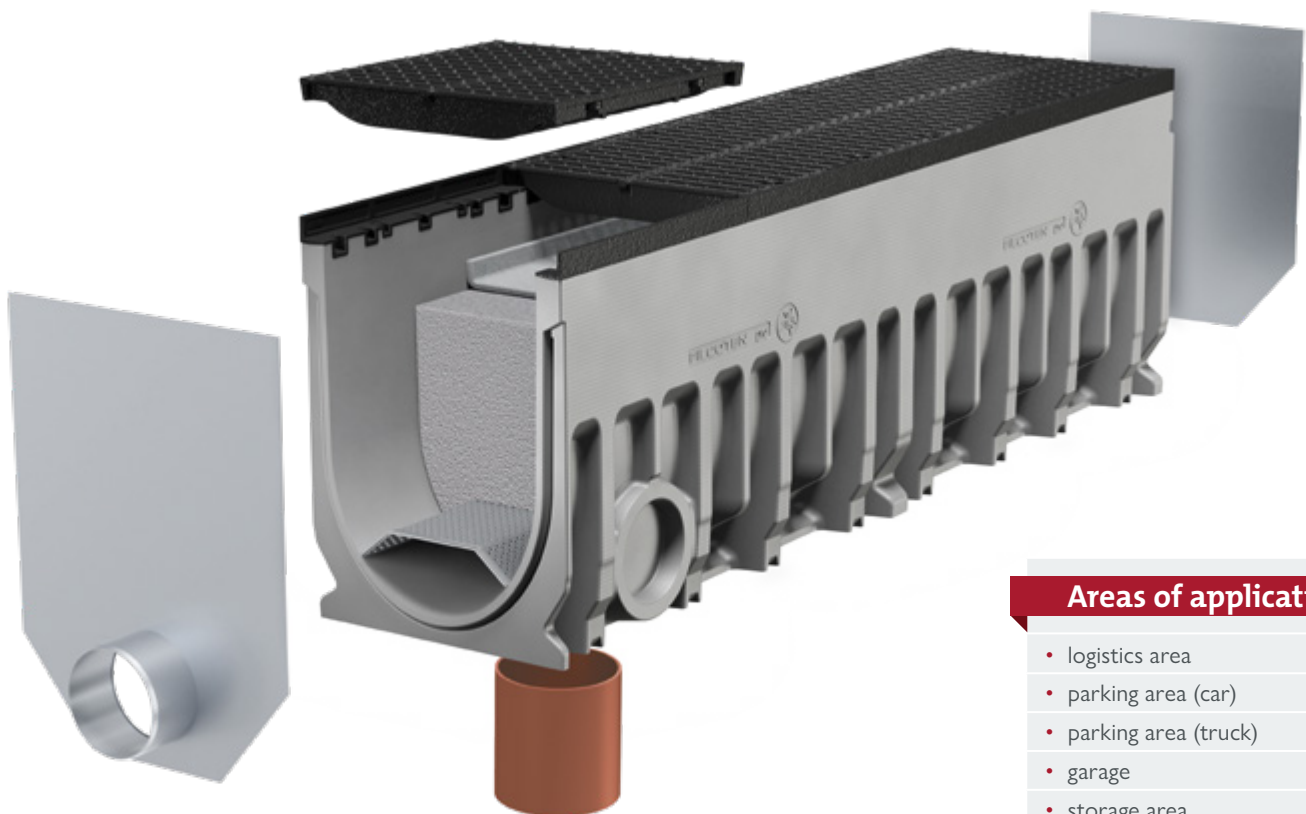


GRASPOINTNER
Sustainable innovation.

¹⁾ The BG-FILCOTEN® green water treatment system is equipped and sold exclusively with ÖNORM B 2506-3 tested filter material. BG-Graspointner GmbH reserves the right to replace the advertised Mall "ViaClean plus" filter material, Test Number N 001970, with a comparable, ÖNORM B 2506-3 certified product where appropriate.



up to class E 600

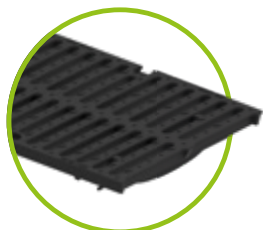
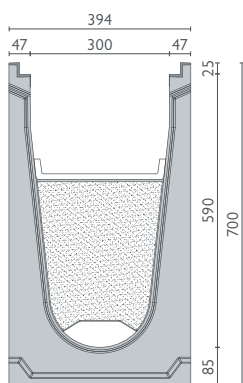


Areas of application:

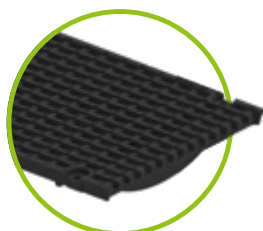
- logistics area
- parking area (car)
- parking area (truck)
- garage
- storage area

up to class F 900

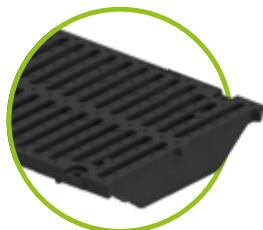
BG-AQUA BGZ-S green



Ductile iron slotted grating
SW 18/150, class D – SV system



Ductile iron elongated bar grating
MW 25/14, class E – quick-locking
system or 4 point boltable



Ductile iron grating
SW 16/148 – class F
4 point boltable

BG-AQUA BGZ-S green with cast iron edge, NW 300

Drainage channel with cast-in ductile iron edge (G) up to class F,
with quick-locking system or bolt fasteners

Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
16846	BGZ-S green NW 300, CH 700 mm, L = 2500 mm	0.0 %	671.0 kg	2	
16847	BGZ-S green NW 300, CH 700 mm, L = 1000 mm	0.0 %	269.0 kg	2	
16844	BGZ-S green NW 301, CH 700 mm, outlet DN 150, L = 2500 mm	0.0 %	662.0 kg	2	
16845	BGZ-S green NW 301, CH 700 mm, outlet DN 150, L = 1000 mm	0.0 %	258.0 kg	2	

Gratings

for BG-AQUA BGZ-S green SV G with cast iron edge (G), NW 300

Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
23180	Ductile iron slotted grating 500/347/25, SV 18/150	D 400	15.2 kg	30	
22784	Ductile iron longitudinal bar grating 500/347/25, MW 25/14	E 600	16.5 kg	30	
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22785	Ductile iron longitudinal bar grating 500/347/25, MW 25/14	E 600	16.9 kg	30	
22083	Ductile iron slotted grating 500/347/25, SV 16/148 ¹⁾	F 900	26.1 kg	40	

Accessories

Installation parts for filter unit, front-/end caps

Item no.	Accessories	Material	Weight	Euro/pc.
19530959	green pre-filter mat, NW 300, L = 5000 mm, VW = 400 mm		0.7 kg	
19500919	Mall "ViaClean plus" filter material, tested in acc. with ÖNORM B2506-3 ²⁾ Origin class A, surface ratio As: Ared from 1:150 Austrian Standards Certificate no.: N 001970		740.0 kg	
19500920			629.0 kg	
19500921			370.0 kg	
19500922			185.0 kg	
19030360	green trapezoid-shaped perforated sheet metal, NW 300, L = 2500 mm	stainless steel	3.5 kg	
19030361	green trapezoid-shaped perforated sheet metal, NW 300, L = 1000 mm	stainless steel	2.5 kg	
19530963	Water sampling shaft set, NW 300 consisting of: trapezoid-shaped perforated sheet metal with outlet DN 150, L = 2500 mm, pipe plug, bolting material	stainless steel/ PVC	1.4 kg	
19530962	Overflow pipe set, NW 300 consisting of: cover plate with outlet DN 150, L = 550 mm, inlet cover, bolting material	stainless steel/ PVC	2.8 kg	
19030353	green partition sheet NW 300	stainless steel	0.9 kg	
22457	green front cap NW 300	stainless steel	3.0 kg	
22458	green end cap with NW 300, DN 100 outlet	stainless steel	3.3 kg	
19030501	green tool for substrate flattening NW 300	wood	1.6 kg	
31300	Sealant 1K – standard, concrete grey – brand: sikaflex Pro 3		600 ml/pouch	
31302	Undercoat / primer – brand: sikaflex Primer 3N		250 ml/can	
31206	Separation tape 9 x 2 mm		25 m/roll	
31203	Applicator gun 450 ml – 600 ml			



BG-FILCOTEN® green, incl. cast iron edge, NW 400

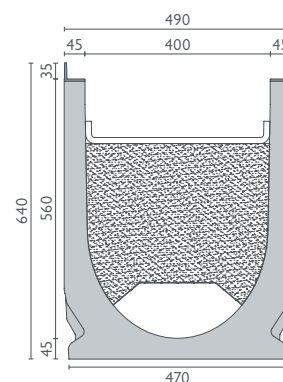
Drainage channel made of FILCOTEN® HPC (High Performance Concrete)
with integrated ductile iron edge (G) up to Class E

Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
10640166	green G NW 400, no. 30-0, H 650, L = 2000 mm	0.0 %	356.0 kg	1	
10641166	green G NW 400, no. 30-0, H 650, L = 1000 mm	0.0 %	179.0 kg	1	
10640176	green G NW 401, no. 30-0, BH 640, outlet DN 200, L = 2000 mm	0.0 %	353.0 kg	1	
10641176	green G NW 401, no. 30-0, BH 640, outlet DN 200, L = 1000 mm	0.0 %	176.0 kg	1	

Gratings

for BG-FILCOTEN® green with ductile iron edge (G), NW 400

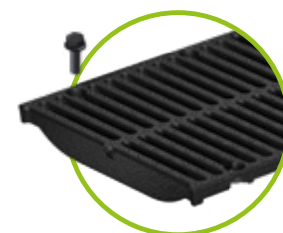
Item no.	Gratings 4 point boltable	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
17040181	green ductile iron slotted grating, 500/474/35, SW 18/215 ¹⁾	E 600	34.5 kg	20	
32110	green bolting material for ductile iron slotted grating (1 pc. bolt, 1 pc. nut – 8 pcs. required per m)				
32122	green locking device kit V2A for ductile iron slotted gratings (1 pc. bolt, 1 pc. nut – 8 pcs. required per m)				



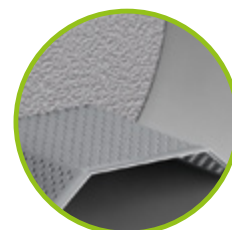
Accessories

Installation parts for filter unit, front-/end caps

Item no.	Accessories	Material	Weight	Euro/pc.
19540910	green pre-filter mat, L = 5000 mm, W = 500 mm		0.9 kg	
19500919	Mall "ViaClean plus" filter material, tested in acc. with ÖNORM B2506-3 ²⁾ Origin class A, surface ratio As: Ared from 1:150 Austrian Standards Certificate no.: N 001970		740.0 kg	
19500920			629.0 kg	
19500921			370.0 kg	
19500922			185.0 kg	
19040360	green trapezoid-shaped perforated sheet metal, NW 400, L = 2000 mm	stainless steel	5.0 kg	
19040361	green trapezoid-shaped perforated sheet metal, NW 400, L = 1000 mm	stainless steel	2.5 kg	
19540956	Water sampling shaft set, NW 400 consisting of: trapezoid-shaped perforated sheet metal with outlet DN 150, L = 2000 mm, pipe plug, bolting material	stainless steel/ PVC	6.6 kg	
19540954	Overflow pipe set, NW 400 consisting of: trapezoid-shaped perforated sheet metal with outlet DN 150, L = 2000 mm, inlet cover, bolting material	stainless steel/ PVC	7.4 kg	
19040353	green partition sheet NW 400	stainless steel	1.9 kg	
19040350	green front cap NW 400	stainless steel	4.7 kg	
19040351	green end cap with NW 400, DN 150 outlet	stainless steel	5.6 kg	
19040500	green tool for substrate flattening NW 400	wood	1.2 kg	
31300	Sealant 1K – standard, concrete grey – brand: sikaflex Pro 3		600 ml/pouch	
31302	Undercoat / primer – brand: sikaflex Primer 3N		250 ml/can	
31206	Separation tape 9 x 2 mm		25 m/roll	
31203	Applicator gun 450 ml – 600 ml			



ductile iron grating SW 18/215
class E, 4 point boltable



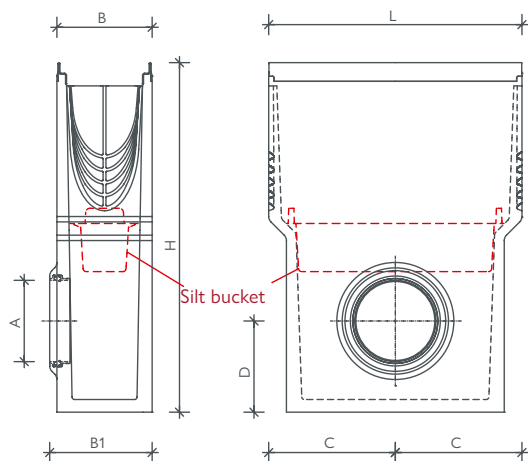
green trapezoid-shaped
perforated sheet metal,
stainless steel

¹⁾ Locking device kit to be ordered separately.

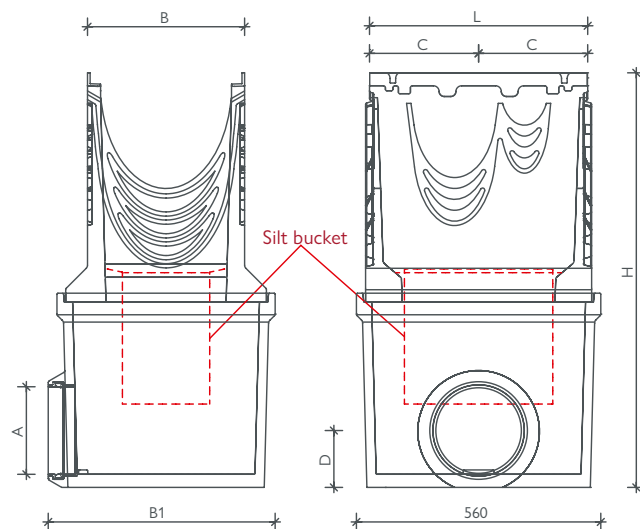
²⁾ The BG-FILCOTEN® green water treatment system is equipped and sold exclusively with ÖNORM B 2506-3 tested filter material. BG-Graspöintner GmbH reserves the right to replace the advertised Mall "ViaClean plus" filter material, Test Number N 001970, with a comparable, ÖNORM B 2506-3 certified product where appropriate.

BG-FILCOTEN®

Sump units incl. silt bucket



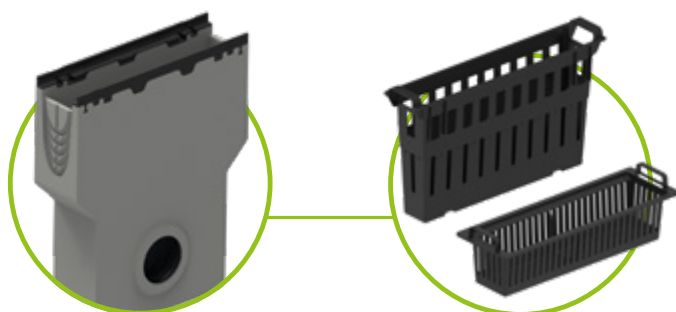
BG-FILCOTEN® sump unit, one part
incl. silt bucket made of plastic



BG-FILCOTEN® pro NW 300/400 sump unit, two parts
incl. galvanised silt bucket

Family	NW	Set item no. / one part	L	B	B 1	H	C	D	Outlet A
BG-FILCOTEN® self	100	10710091	500	122	138	380	250	125	pipe coupling DN 100
BG-FILCOTEN® light	100	10310094	500	126	140	500	250	130	pipe coupling DN 100
	150	10315092	500	180	195	650	250	190	pipe coupling DN 150
	200	10320092	500	240	266	650	250	190	pipe coupling DN 200
BG-FILCOTEN® tec	100	10410293 ¹⁾ / 10410393 ³⁾	500	130	142	500	250	130	pipe coupling DN 100
	150	10415292 ¹⁾ / 10415392 ³⁾	500	180	196	650	250	190	pipe coupling DN 150
	200	10420292 ¹⁾ / 10420392 ³⁾	500	230	260	650	250	184	pipe coupling DN 200
BG-FILCOTEN® pro	100	10610295 ¹⁾ / 10610195 ²⁾ / 10610395 ³⁾ / 10610495 ⁴⁾	500	138	147	450	250	100	pipe coupling DN 100
		10610292 ¹⁾ / 10610192 ²⁾ / 10610392 ³⁾ / 10610492 ⁴⁾	500	138	145	600	250	130	pipe coupling DN 100
	150	10615292 ¹⁾ / 10615192 ²⁾ / 10615392 ³⁾ / 10615492 ⁴⁾	500	188	202	690	250	180	pipe coupling DN 150
	200	10620292 ¹⁾ / 10620192 ²⁾ / 10620392 ³⁾ / 10620492 ⁴⁾	500	238	265	750	250	135	pipe coupling DN 200
Family	NW	Set item no. / two parts	L	B	B 1	H	C	D	Outlet A
BG-FILCOTEN® pro	300	10630292 ¹⁾ / 10630192 ²⁾ / 10630392 ³⁾	500	360	520	950	250	130	pipe coupling DN 200
	400	10640192 ²⁾	500	490	520	1130	250	130	pipe coupling DN 200
		10640193 ²⁾	500	490	540	1230	250	190	pipe coupling DN 300

¹⁾ Sump unit with galvanised steel edge | ²⁾ Sump unit with ductile iron edge | ³⁾ Sump unit with stainless steel edge | ⁴⁾ Sump with plastic edge

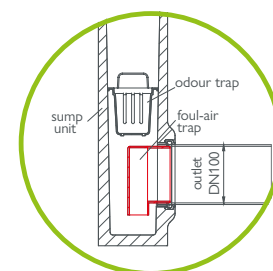


Pipe-coupling system:
A pipe fair lead is already installed in the outlet connector. The sewer pipe connection can be created here directly and quickly.

Sump unit incl. silt bucket, made of plastic

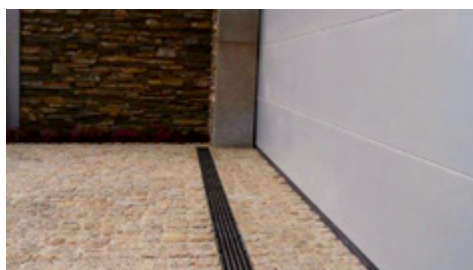


Odour trap for sump unit for retrofitting DN 100/150
Installation: Insert the odour trap into the inside of the silt bucket and connect with the sewage pipe from the outside.



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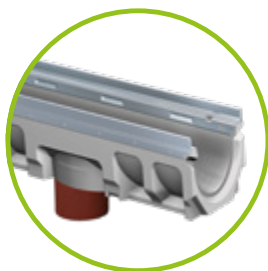
References



BG-FILCOTEN® tec / pro



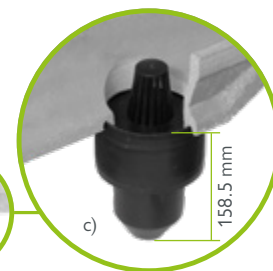
Outlet opening DN 100 (NW 100), DN 150 (NW 150) and DN 200 (NW 200/300/400) prefabricated



Drainpipe made from PVC, sewage pipe already fitted



a) Odour trap for bottom outlet consisting of 3 parts
b) Outlet pipe must be inserted into the outlet opening before installing the channel



c) The two remaining parts complete the odour trap (only for NW 100) – job complete!



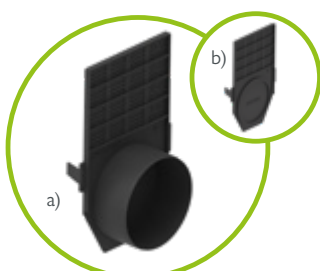
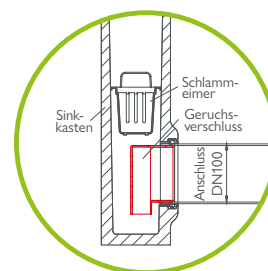
Position of outlet opening: channel end to outlet opening centre = 250 mm



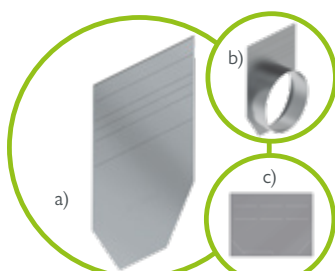
BG-FILCOTEN® sump units tec/pro, L = 500 mm, incl. silt bucket made of plastic, to fit NW



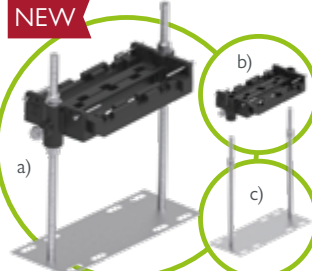
Odour trap for sump unit for retrofitting Ø 100/150
Installation: Insert the odour trap from the inside and connect with the sewage pipe.



a) Front/end cap with outlet
b) Plastic front cap, closed (only for NW 100)



a) Front cap, each NW
b) End cap with outlet, each NW
c) Front cap tec/pro mini, each NW



Installation supports to fit NW made of plastic and/or galvanised steel
a) Top part set + lower part set
b) Top part set incl. bolts
c) Lower part set incl. nuts



Sealing system suitable for all channels with safety joint – for sealing the channel joints



Anti-vandalism and anti-theft locking device for all gratings with fiX locking system for NW 100/150/200 – except for slotted gratings and COMBee design gratings (tec / pro).
Required per grating: 2 pieces



Detailed description on page 79.



Bolting kits for pro (to be ordered separately) consisting of:
1 pc. bolt, 1 pc. nut galvanised or stainless steel

Suitable for use with gratings: see table per nominal width
See footnotes!



M 8 for NW 100-200 / 10 for NW 300-400

A connection, that keeps our promises.

The various different fixing options for our gratings meet the requirements of channel standard EN 1433. Furthermore, they also allow you to adapt the safety measures to your own specification.

The fiX-locking ensures a rapid, secure fixing of the grating while the anti-vandalism locking device goes one step further.

More security on request: optional anti-vandalism locking device (for NW 100, 150 and 200)



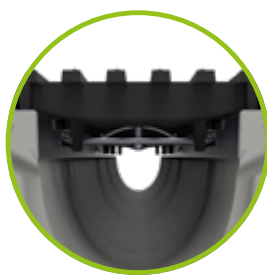
Step 1:

Push the locking device into the fitting springs provided for this purpose until it snaps into place.



Step 2:

Place the grating, as described for the fiX-locking system below, into the BG-FILCOTEN® tec/pro channel.



Step 3:

Push the grating firmly into the channel until it snaps into place.



Step 4:

Lock the anti-vandalism device by twisting the bolt.



You can find a video on how to use this device at: www.say.bg/vandalismussicherung

Simply secure: the 4 point fiX-locking

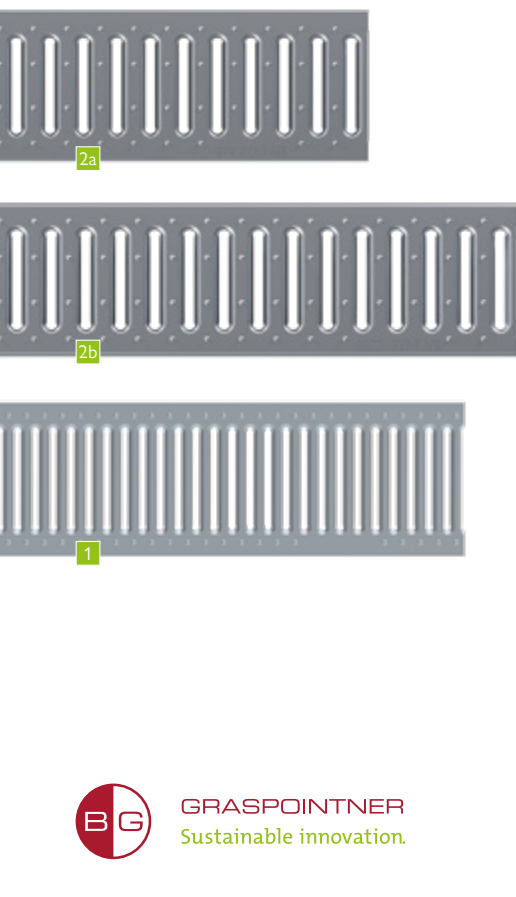
The „fiX-locking“ enables a 4 point boltless locking device for the grating in the channel. The fitting springs for each grating variant engage in the recess in the edge provided for this, and the grating is simply and securely mounted.

- The coverings are initially inserted on one side of the channel with an exact fit and are locked by means of a simple turning of the grating.
- When doing this, look out for the recesses in the edge in which the clamps against longitudinal slipping engage.
- The fiX-locking fixes the grating in the edge. This connection can be unfastened by pulling it out.
- The fiX-locking system can be used with ductile iron and mesh gratings.





The gratings on the left are
beautiful & functional.
 On the right, it's **the other way round.**



BG-FILCOTEN® self & light

Gratings	SW, MW, Ø in mm	
1 self slotted grating	SW 5/80	
2 light slotted grating	SW 8/80	
	SW 8/130	
3 Mesh grating	MW 30/10	
7 Slot top	SW 12.5	
8 Slot top 2S, heelproof	SW 2x6	
9 Slot top 3S, heelproof	SW 3x6	
10 self ductile iron mesh grating	MW 15/25	
10 light ductile iron mesh grating	MW 15/25	
	MW 15/28	
	MW 15/30	
22 self ductile iron mesh grating	SW 10/85	

BG-FILCOTEN® tec

Gratings	SW, MW, Ø in mm	
2a Slotted grating	SW 8/80	
4 Mesh grating	MW 30/10	
6 Perforated grating	Ø 6.0	
7 Slot top	SW 12.5	
8 Slot top 2S, heelproof	SW 2x6	
9 Slot top 3S, heelproof	SW 3x6	
20 COMBee design grating	Ø 7.3	
21 Plastic slotted grating	SW 8/40	
	SW 10/58	
11 Ductile iron longitudinal bar gr.	MW 29/13	
23 Ductile iron slotted grating	SW 10	
12 Ductile iron longitudinal bar grating, narrow SW	MW 29/6	

BG-FILCOTEN® pro

Gratings	SW, MW, Ø in mm	
2b Slotted grating	SW 8/80	
4 Mesh grating ³⁾	MW 30/10	
5 Mesh grating	MW 25/10	
6 Perforated grating	Ø 6.0	
20 COMBee design grating	Ø 7.3	
21 Plastic slotted grating	SW 8/40	
	SW 10/58	
11 Ductile iron longitudinal bar gr. ^{3) 4)}	MW 29/13	
12 Ductile iron longitudinal bar grating, narrow SW	MW 29/6	
13 Ductile iron longitudinal bar grating, 4-point bolttable	MW 25/13	
	MW 22/13	
14 Ductile iron longitudinal bar grating, narrow SW	MW 28/9	
23 Ductile iron slotted grating ^{3) 4)}	SW 14	
	SW 16	
15 Ductile iron design gr. KIARO ³⁾	SW 7	
16 Ductile iron design gr. VIA ³⁾	SW 6-7	
17 Ductile iron design gr. VILLE ³⁾	SW 7-8	
18 Ductile iron design gr. RIVER	SW 8	
19 Ductile iron design gr. LINEAR	SW 7	
24 Ductile iron cover, closed		

23 pro / green ductile iron slotted gr.	SW 18/215	
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²⁾ Material:

V: Galvanised | E: Stainless steel

G: Ductile iron | PA6: Polyamide plastic

KTL: KTL coated ductile iron



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	NW 100	NW 150	NW 200	NW 300	Class ¹⁾	Material ²⁾
	✓				A	V
	✓				A	V, E
		✓			A	V
	✓				car accessible	V, E
		✓			car accessible	V
	✓				B	V, E
	✓	✓	✓		C	V, E
			✓		D	V, E
	✓				B	E
	✓	✓			C	V, E
	✓	✓			C	E
	✓				B	G
	✓				C	G, KTL
		✓			C	G
			✓		C	G
	✓				B	G

	NW 100	NW 150	NW 200	NW 300	Class ¹⁾	Material ²⁾
	✓				A, C	V, E
	✓	✓	✓		B	V
	✓	✓	✓		CS	V, E
	✓				A, C	V, E
		✓	✓		C	V, E
	✓				B	V
	✓	✓			C	V, E
	✓				B	E
	✓	✓			C	V, E
	✓	✓			C	E
	✓				B, C	PA6
	✓				C	PA6
		✓			C	PA6
	✓	✓	✓		C	G
	✓	✓			B	G
	✓				C	G

	NW 100	NW 150	NW 200	NW 300	Class ¹⁾	Material ²⁾
	✓				C	V, E
	✓	✓	✓		C	V, E
				✓	C	V
	✓				D	V, E
		✓	✓		D	V
	✓	✓	✓		C	V, E
	✓				C	PA6
	✓				C	PA6
		✓			C	PA6
	✓	✓	✓		C, D	G
				✓	D, E	G
	✓				C	G
		✓			D	G
	✓	✓	✓		E	G
	✓	✓			D	G
	✓	✓	✓		D, E	G
				✓	D	G
	✓	✓	✓	✓	D	G
	✓	✓	✓	✓	D	G
	✓	✓	✓	✓	E	G
	✓	✓			D	G
	✓				D	G
	✓	✓	✓		E	G
				✓	F	G

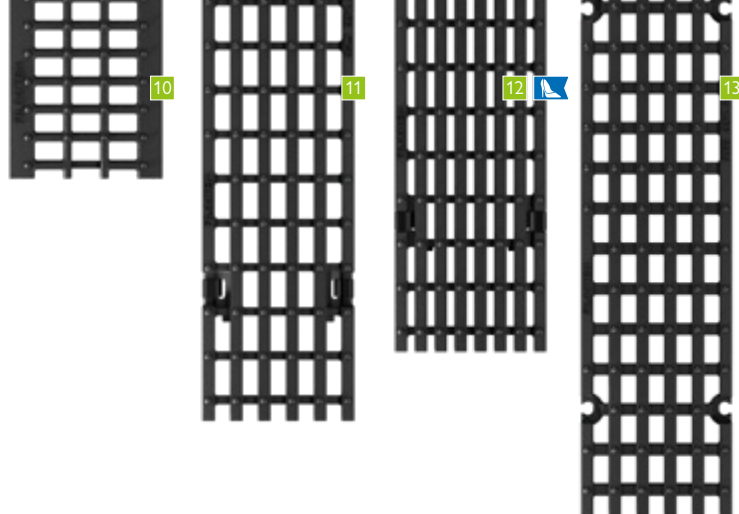
	NW 400	E	G
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¹⁾ Classes according to EN 1433:

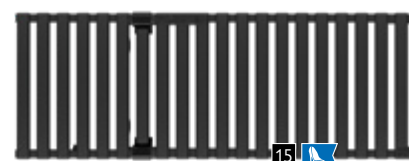
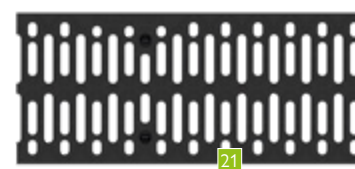
A 15 kN | B 125 kN | C 250 kN | D 400 kN | E 600 kN | F 900 kN

²⁾ From NW 300 4-point bolttable

⁴⁾ Incl. fiX-locking system



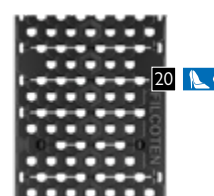
BG-FILCOTEN®



www.say.bg/en/blacklabel_pdf

BG-BLACKLABEL
design line

8 9 15 16 17 18 19 20



Monolithic, versatile, unique.



BG-FILCOTEN[®] one urban

The BG-FILCOTEN[®] one family has a new addition. And, just like any other family, the BG-FILCOTEN[®] one urban is a totally novel, new arrival on the market. With manifold innovations and a D 400 load class all rolled into one, it offers up a ton of useful features – making it the perfect all-rounder for urban spaces.

Areas of application:

- | | |
|-------------------------------------|----------------------|
| • Garden and landscape construction | • bicycle paths |
| • sports facility | • parking area (car) |
| • pedestrian zones | • inner-city streets |

Class D 400

Inflow opening in the channel joint

Inlet opening in the joint with standard slot width for ideal water drainage



Tenon system for non-directional installation

- non-directional channel joint for easy and fast installation
- interlocking tenon system for snug, truly-aligned positioning of elements
- predefined distance in the joint for optimum function of the insertable sealing profile

A sealing system¹⁾ which is easy to use

- preformed groove on the front/end sides for easy insertion of the sealing profile
- permanently sealed joints, guided by the tenon system
- requirements according to EN 1433



High-performance

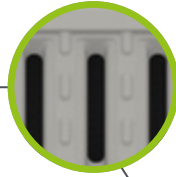
High, large-capacity channel body for enhanced drainage performance



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Cyclist- and pedestrian-friendly

- grippy, anti-skid pimple surface for pedestrian zones
- safe driving over and walking on due to optimised slot widths: NW 100 = 10 mm, NW 150 = 12 mm, NW 200 = 15 mm
- slot widths according to EN 1433



Integrates fully with the surrounding environment

Surface in characteristic concrete colour

Optimised inlet surface

Recessed inflow openings and pimple surface for enhanced water collection performance and winter road services

Monolithic structure

- element made entirely of FILCOTEN[®] HPC
- extremely robust and wear resistant
- ideal for dynamic exposure in road traffic

Verified LCA (life cycle assessment)

- low greenhouse gas emission levels
- manufactured with 100 % green power
- resource-efficient manufacturing process

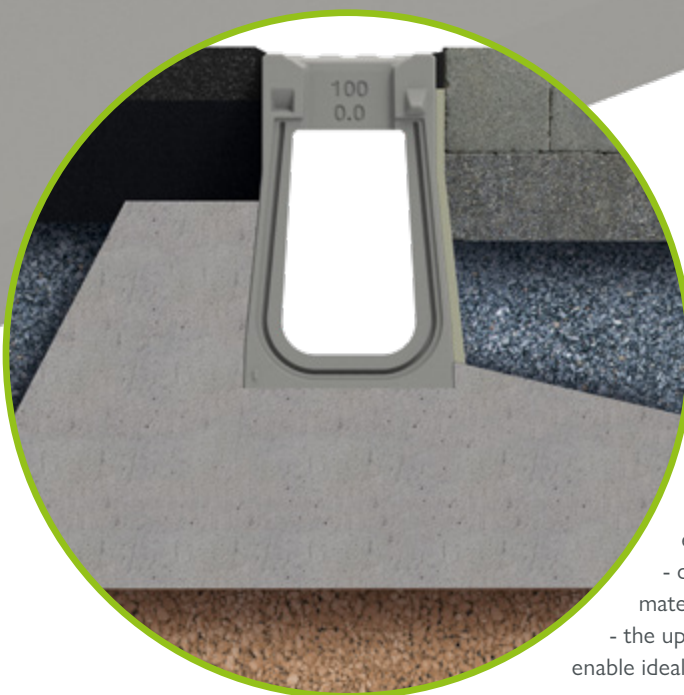
Multiple certifications

- 100% recyclable, certified quality class U-A⁴⁾
- certified organic material that meets the strict testing criteria of the Institute for Biologically Sound Construction Rosenheim (IBR) with regard to heavy metals, VOCs, biocides and radioactivity, styrene-free²⁾
- certified³⁾ in acc. with KIWA BRL 5070



Re-designed; multiple benefits: The trapezoidal shape

- enhanced anchoring performance in levelling concrete
- optimised structural safety; can be installed as Type I – with so-called Type I installation, no concrete casings are required
- wide channel foot for solid positioning of the gutter, even during installation
- due to its very construction, the required grouting joint automatically materialises when installing in curb stone areas or upright areas
- the upper 90 mm of the channel wall are vertical in order to enable ideal working with pavement covering



¹⁾ Optional sealing profile.

²⁾ No use of synthetic resins.

³⁾ KIWA certificate number: NL BSB[®] K43940.

⁴⁾ Quality class U-A (certified by the Bautechnische Versuchs- und Forschungsanstalt Salzburg (bvfs)).

Well thought-out elements make an outstanding system.

Class D 400

What is a good drainage system all about? Quite simply, it must be more than the sum of its parts. When developing BG-FILCOTEN® one urban, from the start, we always focused on the entire system, not just on the individual single parts.

Intelligent solutions for your requirements

The result is a vast number of intelligent solutions that provide greater efficiency, performance and, above all, easy and safe handling – from its initial installation, to daily use, all the way through to routine maintenance.

One grating – one design

- continuation of the slotted grating design for the cast iron grating
- edge and grating, cathodic dip-coated
- fiX-locking as well as 4 pointbolted possible
- class D 400

Sump unit, one part

- suspended silt bucket for sump unit
- total length 500 mm
- closed base
- outlet NW 100 / 150 with DN 150;
NW 200 with DN 200 (pipe coupling)
- left/right rotation
- maintenance access in the style of the channel run

Outlet unit

- outlet unit NW 100 with DN 100;
NW 150 with DN 150 and
NW 200 available with DN 200 opening.
- the drainpipe can be serviced/cleaned through the removable grating

Revision element

- maintenance access in the style of the channel run
- T-piece with knock-out section (optional)
- total length 1,000 mm
- closed base



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Sump unit, upper part

- simple cleaning of the outlet unit
- large outlet opening in the channel bottom
- suspended sediment bucket for sump unit
- T-piece with knock-out section (optional)
- total length 1,000 mm

Front cap

- interlocking
- closure of the channel run

End cap with outlet

- interlocking
- closure of the run with socket (pipe coupling)
NW 100: DN 100; NW 150: DN 150;
NW 200: DN 200

Basic channel

- NW 100, NW 150 or NW 200
- standard construction height no. 0
- total length 1,000 mm

Sump unit, bottom part

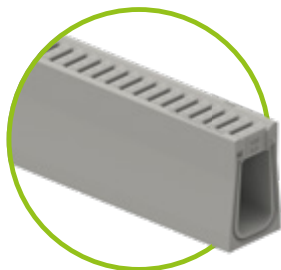
- socket (pipe coupling)
NW 100 / 150: DN 150;
NW 200: DN 200
- left/right rotation

Sustainability in action:

FILCOTEN® HPC (High Performance Concrete)

- cement-bound, mineral material
- extremely durable, stable and UV-resistant
- extremely resistant to frost, de-icing salt, oil, gasoline
- 100 % recyclable, certified ¹⁾
- certified environmental and energy management according to ISO 14001 or 50001 at the location of Oberwang/AT
- tested by the IBR ²⁾, safe in terms of sustainable building

¹⁾ According to the guidelines of the Austrian Construction Material Recycling Association. ²⁾ Institute of IBR Rosenheim.



BG-FILCOTEN® one urban, NW 100

Monolithic channel made of FILCOTEN® HPC (High Performance Concrete) up to class D

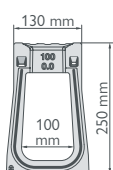
Item no.	Monolithic channel body up to class D – no slope	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
15110100	one urban NW 100, no. 0, L = 1000 mm, SW 10/70 mm	D 400	44.0 kg	15	

BG-FILCOTEN® one urban, NW 100: Inlet cross-section 195 cm²/m | Discharge cross-section 100/0: 155 cm²/m

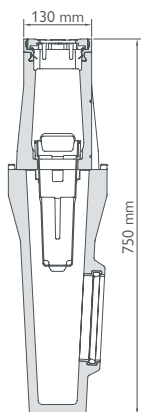
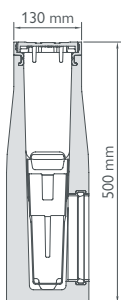
Accessories

for BG-FILCOTEN® one urban, NW 100

Item no.	Accessories	Cl. acc. EN 1433	Weight	Euro/pc.
15110000	Corner element, variable, NW 100	D 400	36.3 kg	
15110180	Maintenance unit NW 100, no. 0, L = 1000 mm incl. ductile iron grating ¹⁾	D 400	41.8 kg	
15110190	Outlet element NW 101, no. 0, L = 1000 mm incl. ductile iron grating, with DN 100 drill hole ¹⁾	D 400	41.6 kg	
15110170	Sump unit, one-piece, NW 100, no. 0, L = 500 mm incl. ductile iron grating, silt bucket, DN 150 outlet ¹⁾	D 400	43.8 kg	
15110175	Sump unit upper section NW 101, no. 0, L = 1000 mm incl. ductile iron grating ¹⁾	D 400	40.0 kg	
19110095	Sump unit bottom section, NW 101, DN 150 outlet		30.0 kg	
19110100	Front cap, NW 100, no. 0, without outlet		1.8 kg	
19110110	End cap NW 100, no. 0, with DN 100 outlet		1.4 kg	
19110900	Lifting hook (consisting of 2 pcs.) NW 100, painted blue		0.4 kg	
19000707	Sealing profile one urban, NW 100		0.1 kg	
32103	pro bolting material for ductile iron gratings class D (1 pc. bolt, 1 pc. nut – 4 pcs. required per m)			
32109	pro bolting material stainless steel, for ductile iron grating class D (1 pc. bolt, 1 pc. nut – 4 pcs. required per m)			



Sump unit
one part



Sump unit
Two-piece



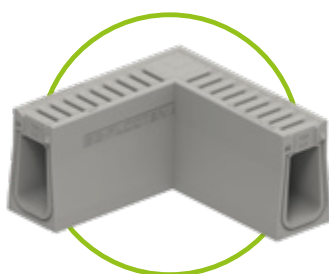
Maintenance unit or outlet
element incl. ductile iron grating



Sump unit upper and lower
sections DN 150



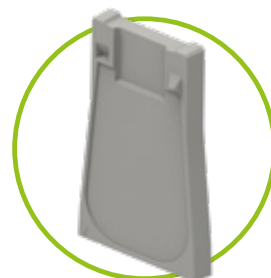
Sump unit, one-piece, incl. ductile
iron grating, sediment bucket,
outlet DN 150



Corner element, variable

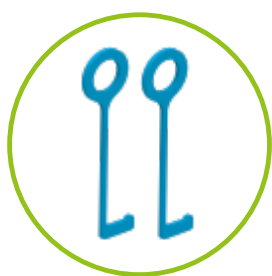


End cap
with outlet

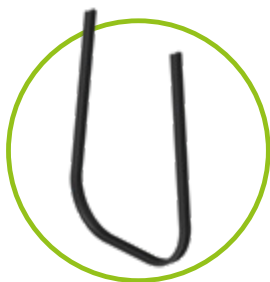


Front cap
closed

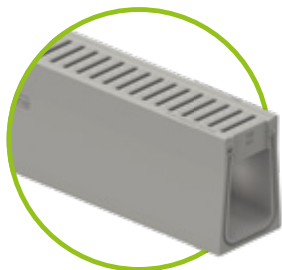
References



Lifting hook, painted blue
for NW 100, 2 pcs. per set



Is a joint sealing profile required?
Please say so with your order.



BG-FILCOTEN® one urban, NW 150

Monolithic channel made of FILCOTEN® HPC (High Performance Concrete) up to class D

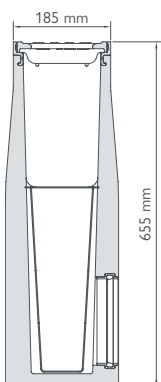
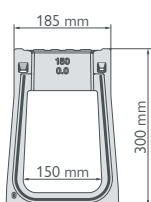
Item no.	Monolithic channel body up to class D – no slope	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
15115100	one urban NW 150, no. 0, L = 1000 mm, SW 12/120 mm	D 400	65.7 kg	9	

BG-FILCOTEN® one urban, NW 150: Inlet cross-section 320 cm²/m | Discharge cross-section 150/0: 312 cm²/m

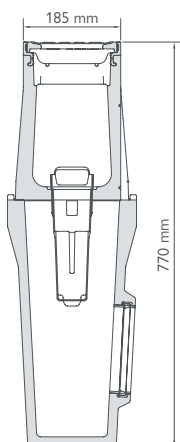
Accessories

for BG-FILCOTEN® one urban, NW 150

Item no.	Accessories	Cl. acc. EN 1433	Weight	Euro/pc.
15115000	Corner element, variable, NW 150	D 400	53.2 kg	
15115180	Maintenance unit NW 150, no. 0, L = 1000 mm incl. ductile iron grating ¹⁾	D 400	60.7 kg	
15115190	Outlet element NW 151, no. 0, L = 1000 mm incl. ductile iron grating, with DN 150 drill hole ¹⁾	D 400	59.8 kg	
15115170	Sump unit, one-piece, NW 150, no. 0, L = 500 mm incl. ductile iron grating, silt bucket, DN 150 outlet ¹⁾	D 400	65.0 kg	
15115175	Sump unit upper section NW 151, no. 0, L = 1000 mm incl. ductile iron grating ¹⁾	D 400	58.9 kg	
19115095	Sump unit bottom section, NW 151, DN 150 outlet		33.8 kg	
19115101	Front cap, NW 150, no. 0, without outlet		7.3 kg	
19115111	End cap NW 150, no. 0, with DN 150 outlet		5.0 kg	
19115902	Lifting hook (consisting of 2 pcs.) NW 150, painted red		0.5 kg	
19000708	Sealing profile one urban, NW 150		0.1 kg	
32103	pro bolting material for ductile iron gratings class D (1 pc. bolt, 1 pc. nut – 4 pcs. required per m)			
32109	pro bolting material stainless steel, for ductile iron grating class D (1 pc. bolt, 1 pc. nut – 4 pcs. required per m)			



Sump unit,
one part



Sump unit,
two-piece



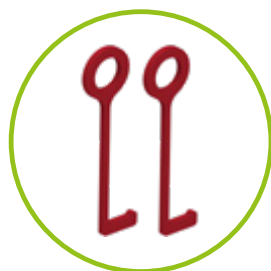
Maintenance unit or outlet
element incl. ductile iron grating



Sump unit
upper and lower sections
DN 150 for NW 150
DN 200 for NW 200



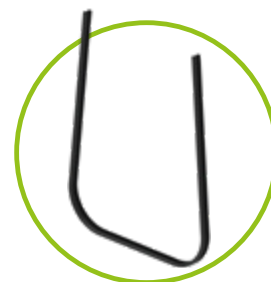
Sump unit, one-piece, incl. ductile
iron grating, sediment bucket
outlet DN 150 for NW 150
outlet DN 200 for NW 200



Lifting hook, painted red
for NW 150, 2 pcs. per set



Lifting hook, painted yellow
for NW 200, 2 pcs. per set



Is a joint sealing profile required?
Please say so with your order.

BG-FILCOTEN® one urban, NW 200

Monolithic channel made of FILCOTEN® HPC (High Performance Concrete) up to class D

Item no.	Monolithic channel body up to class D – no slope	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
15120100	one urban NW 200, no. 0, L = 1000 mm, SW 15/170 mm	D 400	94.2 kg	9	

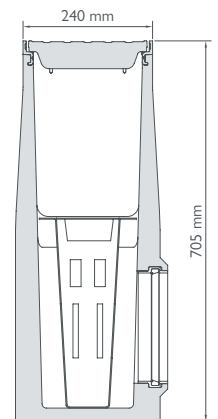
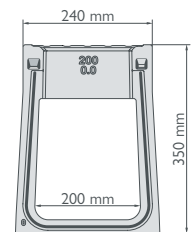
BG-FILCOTEN® one urban, NW 200: Inlet cross-section 460 cm²/m | Discharge cross-section 200/0: 410 cm²/m



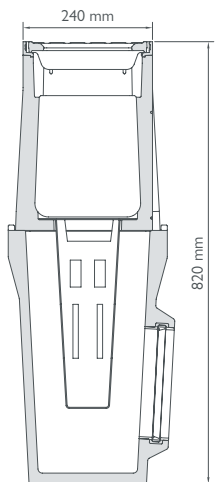
Accessories

for BG-FILCOTEN® one urban, NW 200

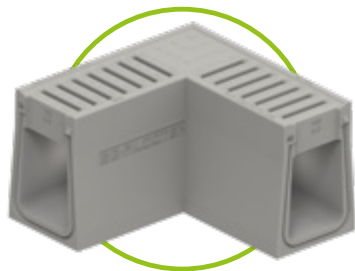
Item no.	Accessories	Cl. acc. EN 1433	Weight	Euro/pc.
15120000	Corner element, variable, NW 200	D 400	69.7 kg	
15120180	Maintenance unit NW 200, no. 0, L = 1000 mm incl. ductile iron grating ¹⁾	D 400	82.5 kg	
15120190	Outlet element NW 201, no. 0, L = 1000 mm incl. ductile iron grating, with DN 200 drill hole ¹⁾	D 400	80.0 kg	
15120170	Sump unit, one-piece, NW 200, no. 0, L = 500 mm incl. ductile iron grating, silt bucket, DN 200 outlet ¹⁾	D 400	75.0 kg	
15120175	Sump unit upper section NW 201, no. 0, L = 1000 mm, incl. ductile iron grating ¹⁾	D 400	78.8 kg	
19120095	Sump unit bottom section, NW 201, DN 200 outlet		36.6 kg	
19120101	Front cap, NW 200, no. 0, without outlet		11.4 kg	
19120111	End cap NW 200, no. 0, with DN 200 outlet		7.4 kg	
19120902	Lifting hook (consisting of 2 pcs.) NW 200, painted yellow		0.7 kg	
19000709	Sealing profile one urban, NW 200		0.1 kg	
32103	pro bolting material for ductile iron gratings class D (1 pc. bolt, 1 pc. nut – 4 pcs. required per m)			
32109	pro bolting material stainless steel, for ductile iron grating class D (1 pc. bolt, 1 pc. nut – 4 pcs. required per m)			



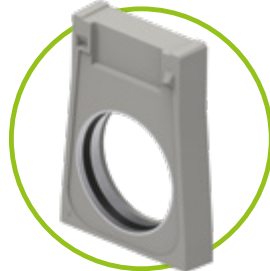
Sump unit,
one part



Sump unit,
two-piece



Corner element, variable



End cap
with outlet



Front cap
closed



Singularly one, simply strong.



Extraordinary challenges demand superior solutions. Needless to say, this also applies to draining heavily-loaded infrastructures, such as factory premises, logistics centres, terminals or airports. This is where the BG-FILCOTEN® one comes into play – and immediately takes the top spot. Because its channel and grating are cast in one piece, and constructed using the most innovative material on the market: FILCOTEN® HPC (High Performance Concrete).

Absolutely world class – from E 600 to F 900.

The result is an exceptionally sturdy and robust heavy-duty channel for load classes E 600 & F 900 that delivers on high drainage performance. Whether trucks, semi-trailers or aeroplanes: all of them need reliably drained surfaces to travel over – all of them need the new BG-FILCOTEN® one.

Your benefits at a glance:

- Outstanding performance in load classes E 600 & F 900.
- Exceptionally sturdy and durable thanks to the FILCOTEN® HPC monolithic structure.
- Innovative design with intelligent features; sits snugly in the concrete bed.
- Simple to install; easy-to-handle sealing system.
- Sustainable, 100 % recyclable, made using 100 % green energy.

Tongue/groove/tenon system for installation in either direction

- non-directional channel joint for easy and fast installation
- interlocking of the groove/tongue/tenon system for accurate, aligned setting of the elements
- predefined distance in the joint for optimum function of the insertable sealing profile

Highly efficient water run

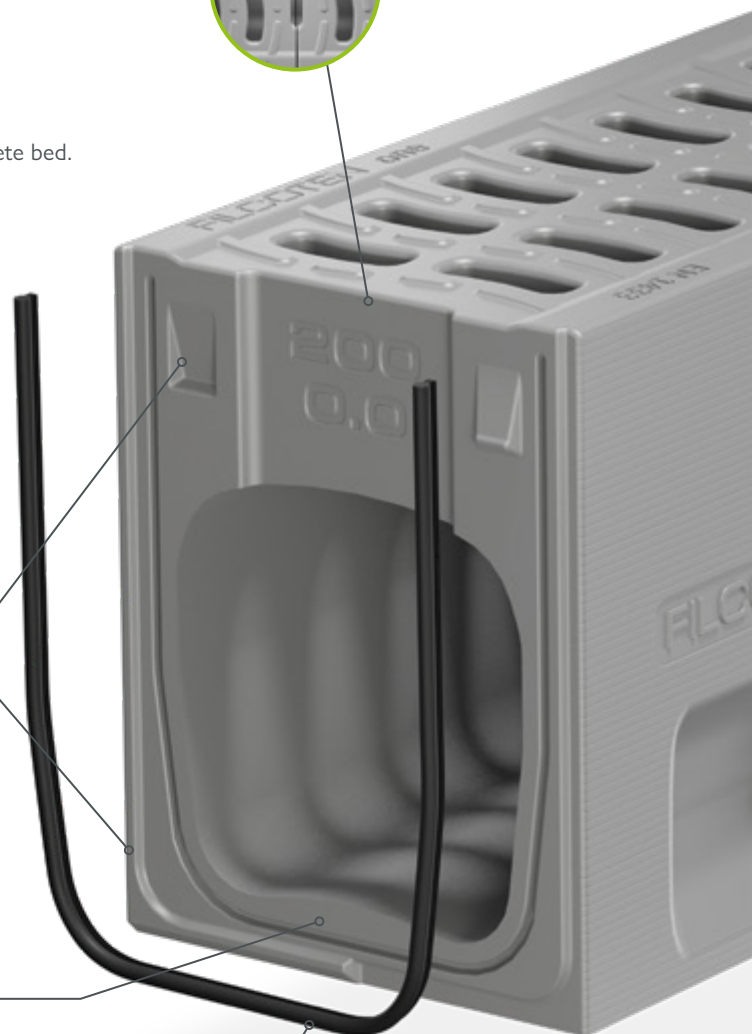
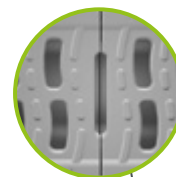
- channel cross-section with innovative corrugated W-profile design for optimum hydraulic performance on partial and complete filling
- high self-cleaning effect of the W-profile as this causes turbulence in the inflowing water

Easy-to-handle sealing system ³⁾

- preformed groove on the front/end sides for easy insertion of the sealing profile
- permanent joint sealing through tight fit of the tongue/groove/tenon system
- requirements according to EN 1433

Inflow opening in the channel joint

Inflow opening in the joint with standard slot width for ideal water drainage



GRASPOINTNER
Sustainable innovation.

Class E 600 & F 900

Optimised inflow openings

- slot widths according to EN 1433
- innovative S-design for efficient rainwater inflow

Cyclist- and pedestrian-friendly

- counter-rotating radial arrangement of the inlet openings
- safe to drive and walk over thanks to the S-design of the double slots

Monolithic structure

- element made entirely of FILCOTEN[®] HPC
- extremely robust and wear resistant
- ideal for dynamic exposure in road traffic

Verified LCA ¹⁾ (Life Cycle Assessment)

- low greenhouse gas emission levels
- manufactured with 100% green power
- resource-efficient manufacturing process



www.say.bg/en/one_pdf



Extremely durable hold in the concrete bed

- lateral anchoring pockets for maximum anchorage in the concrete bed
- permanent fit in the foundation thanks to identical linear expansion coefficient
- perfect connection between FILCOTEN[®] HPC and concrete

Integrates fully with the surrounding environment

Fine finished concrete structure and surface.

Areas of application: one for many.

BG-FILCOTEN[®] one is the first choice wherever heavy dynamic loads may occur.

The reason is obvious: Thanks to its monolithic structure and the sophisticated design, it combines an unprecedented number of benefits in one channel system.

Areas of application:

• logistics area	• motorway
• parking area (truck)	• national road
• garage	• harbour
• storage area	• airport (airside)

¹⁾ According to ISO 14040; ISO 14044; EN 15804:A2.

²⁾ No use of synthetic resins.

³⁾ Sealing profile on request.

Perfectly matched for everything that comes along.

What is a good drainage system all about? Quite simply, it must be more than the sum of its parts. This is especially true for heavy-duty applications where, literally, particularly weighty challenges need to be overcome for all components. With this in mind, we focused on creating an entire, robust and high-performance system when developing the BG-FILCOTEN® one.

Intelligent solutions for particularly weighty challenges.

The result is numerous, intelligent solutions that deliver on greater efficiency, robustness and durability and, above all easy and safe handling. Starting with the initial installation and continuing in their daily use and routine maintenance operations.

Class E 600 & F 900

Sump unit, upper part

- with rectangular floor opening as sediment bucket insert

One grating – one design

- consistent continuation of the S-design also for the cast iron grating
- edge and grating, cathodic dip-coated
- 4-point bolting
- class F 900

Basic channel

- NW 150 or NW 200
- standard construction height no. 0
- total length 1,000 mm

Outlet unit

- outlet unit NW 150 with DN 150 and/or NW 200 available with DN 200 opening.
- drainpipe can be serviced/cleaned through the removable grating.

Maintenance unit

- maintenance access in the style of the channel run
- total length 1,000 mm
- closed base



GRASPOINTNER
Sustainable innovation.



Front cap

- with tongue/groove/tenon system
- closure of front sides of the channel run

End cap with outlet

- with tongue/groove/tenon system
- closure of channel with socket pipe connection
NW 150: DN 150 and NW 200: DN 200 (pipe coupling)

Easy access

- easy cleaning access to the sump unit
- large outlet opening in the channel bottom
- suspended sediment bucket for sump unit
- total length 1,000 mm

Adapter cap

- for stepped slope installation
- from height no. 0 to 40-0

Retention & stepped slope

- 40-0 height (20 cm higher than no. 0)
- for higher hydraulic requirements
- longer channel runs possible up to one outlet point
- suitable for retention (additional volume: NW 150 – 30 ltr./mtr, NW 200 – 40 ltr./mtr)

Sump unit middle part

- to increase the outlet depth
- construction height 300 mm

Sump unit, bottom part

- socket (pipe coupling)
- left/right rotation
- NW 150: DN 150 or DN 200 available
- NW 200: DN 200 or DN 300 available

Sustainability in action: FILCOTEN® HPC (High Performance Concrete)

- cement-bound, mineral material
- extremely durable, stable and UV-resistant
- extremely resistant to frost, de-icing salt, oil, gasoline
- 100 % recyclable, certified¹⁾
- certified environmental and energy management to ISO 14001 or 50001 standards at the location in Oberwang/AT
- tested by the IBR²⁾-safe in terms of building biology



www.say.bg/en/one_video

¹⁾ According to the guidelines of the Austrian Construction Material Recycling Association. ²⁾ Institute of Baubiologie Rosenheim.

BG-FILCOTEN® one, NW 150

Monolithic channel made of FILCOTEN® HPC (High Performance Concrete) up to class F

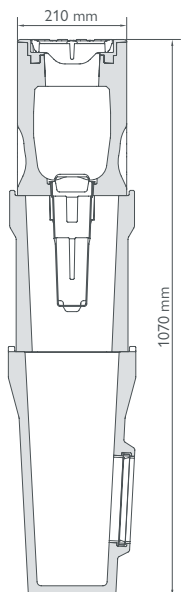
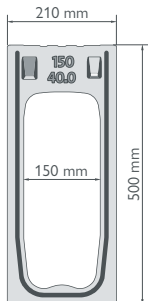
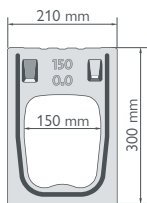
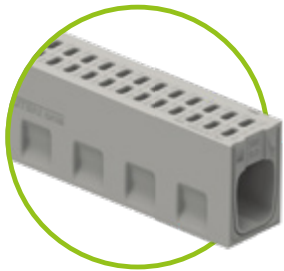
Item no.	Monolithic channel body up to class F – no slope	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
15015100	one NW 150, no. 0, L = 1000 mm, SW 23/52 mm	F 900	76.6 kg	9	
15015168	one NW 150, no. 40-0, L = 1000 mm, SW 23/52 mm	F 900	107.5 kg	6	

BG-FILCOTEN® one NW 150: Inlet cross-section 370 cm²/m | Discharge cross-section 150/0: 220 cm²/m | 150/40-0: 520 cm²/m

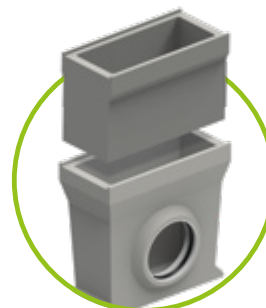
Accessories

for BG-FILCOTEN® one, NW 150

Item no.	Accessories	Cl. acc. EN 1433	Weight	Euro/pc.
15015000	Variable corner element, no. 0, SW 23/52 mm	F 900	86.0 kg	
15015008	Variable corner element, no. 40-0, SW 23/52 mm	F 900	118.7 kg	
15015180	Maintenance unit, no. 0, L = 1000 mm, incl. ductile iron grating ¹⁾	F 900	83.0 kg	
15015188	Maintenance unit, no. 40-0, L = 1000 mm, incl. ductile iron grating ¹⁾	F 900	111.0 kg	
15015190	Outlet unit no. 0, L = 1000 incl. ductile iron grating, with outlet opening DN 150 ¹⁾	F 900	82.0 kg	
15015198	Outlet unit no. 40-0, L = 1000 incl. ductile iron grating, incl. outlet opening DN 150 ¹⁾	F 900	110.0 kg	
15015170	Sump unit top part, no. 0, L = 1000 mm incl. ductile iron grating ¹⁾	F 900	79.0 kg	
15015178	Sump unit top part, no. 40-0, L = 1000 mm incl. ductile iron grating ¹⁾	F 900	108.0 kg	
19115094	Sump unit middle part, NW 150		28.0 kg	
19115095	Sump unit, bottom part, NW 151, pipe-coupling DN 150		33.8 kg	
19115096	Sump unit bottom part, NW 151, pipe-coupling DN 200		33.3 kg	
22510	Silt bucket for sump unit, plastic		0.4 kg	
19115100	Front cap, no. 0, without outlet		7.3 kg	
19115108	Front cap, no. 40-0, without outlet		12.3 kg	
19115110	End cap, no. 0, with outlet DN 150		5.0 kg	
19115118	End cap, no. 40-0, with outlet DN 150		10.0 kg	
19115157	Adapter cap, no. 0 on 40-0		9.1 kg	
19115900	Lifting-hook (set consisting of 2 pcs.), painted green		1.9 kg	
19000701	Profile for joint sealing, no. 0, L = 650 mm		0.04 kg	
19000702	Profile for joint sealing, no. 40-0, L = 1050 mm		0.07 kg	



Maintenance unit or outlet element
incl. ductile iron grating



Sump unit
middle part and lower part
DN 150 / 200 / 300



Corner element, variable



Lifting hook, in green,
for NW 150, 2 per set



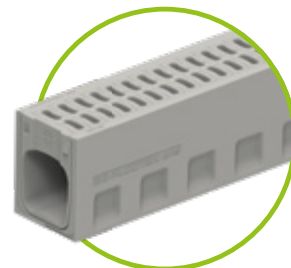
Lifting hook (consisting of 2 pcs.),
for NW 200, painted black

BG-FILCOTEN® one, NW 200

Monolithic channel made of FILCOTEN® HPC (High Performance Concrete) up to class F

Item no.	Monolithic channel body up to class F – no slope	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
15020100	one NW 200, no. 0, L = 1000 mm, SW 23/70 mm	F 900	106.0 kg	9	
15020168	one NW 200, no. 40-0, L = 1000 mm, SW 23/70 mm	F 900	136.5 kg	6	

BG-FILCOTEN® one NW 200: Inlet cross-section 510 cm²/m | Discharge cross-section 200/0: 370 cm²/m | 200/40-0: 735 cm²/m

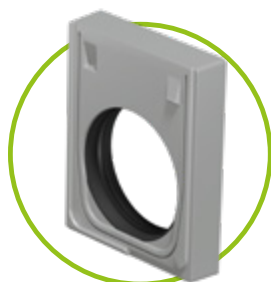
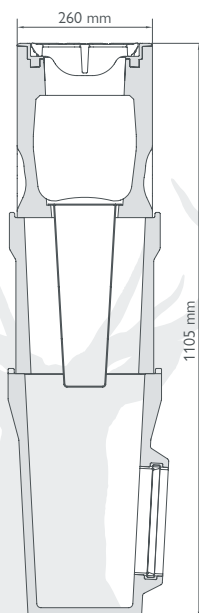
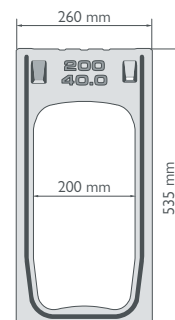
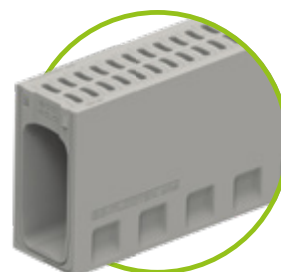
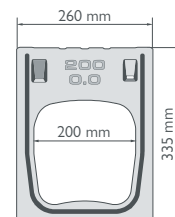


BG-FILCOTEN®

Accessories

for BG-FILCOTEN® one, NW 200

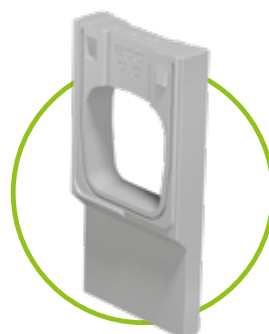
Item no.	Accessories	Cl. acc. EN 1433	Weight	Euro/pc.
15020000	Variable corner element, no. 0, SW 23/70 mm	F 900	114.0 kg	
15020008	Variable corner element, no. 40-0, SW 23/70 mm	F 900	142.0 kg	
15020180	Maintenance unit, no. 0, L = 1000 mm, incl. ductile iron grating ¹⁾	F 900	101.0 kg	
15020188	Maintenance unit, no. 40-0, L = 1000 mm, incl. ductile iron grating ¹⁾	F 900	133.0 kg	
15020190	Outlet unit, no. 0, L = 1000 incl. ductile iron grating, with outlet opening DN 200 ¹⁾	F 900	99.0 kg	
15020198	Outlet unit no. 40-0, L = 1000 incl. ductile iron grating, incl. outlet opening DN 200 ¹⁾	F 900	131.0 kg	
15020170	Sump unit top part, no. 0, L = 1000 mm incl. ductile iron grating ¹⁾	F 900	96.0 kg	
15020178	Sump unit top part, no. 40-0, L = 1000 mm incl. ductile iron grating ¹⁾	F 900	128.0 kg	
19120094	Sump unit middle part, NW 200		29.0 kg	
19120095	Sump unit bottom part, NW 201, pipe-coupling DN 200		35.5 kg	
19120096	Sump unit bottom part, NW 201, pipe coupling DN 300		39.0 kg	
22511	Silt bucket for sump unit, plastic		0.7 kg	
19120100	Front cap, no. 0, without outlet		13.0 kg	
19120108	Front cap, no. 40-0, without outlet		21.0 kg	
19120110	End cap, no. 0, with outlet DN 200		8.5 kg	
19120118	End cap, no. 40-0, with outlet DN 200		16.5 kg	
19120157	Adapter cap, no. 0 on 40-0		12.5 kg	
19120900	Lifting hook (consisting of 2 pcs.), painted black		2.1 kg	
19000703	Profile for joint sealing, no. 0, L = 760 mm		0.05 kg	
19000704	Profile for joint sealing, no. 40-0, L = 1160 mm		0.08 kg	



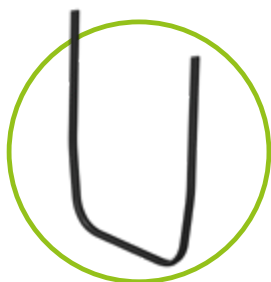
End cap
with outlet



Front cap
closed



Adapter cap
no. 0 / 40-0



Is a joint sealing profile required?
Please say so with your order.



For sectional drawings and technical
data on sump units, please see:
one NW 150: www.say.bg/en/one150_daten
one NW 200: www.say.bg/en/one200_daten

Make the **most** out of open-pored asphalt. The new BG-FILCOTEN® one opa.



Open-pored asphalt offers enormous benefits: The high void content of the asphalt overlay not only reduces noise from vehicle tyres but can also enable rainwater to seep away fast and efficiently. That is the theory at least; but, in practice, this can only work if the right drainage channel is installed – and that would be the BG-FILCOTEN® one opa.

The perfect partner for open-pored asphalt

With this latest addition to the BG-FILCOTEN® one family, we offer the perfect system for fast-drying and safe dual carriageways and motorways. The intelligent design and construction of this monolithic channel allows water to be absorbed over two levels – making full use of the potential that open-pored asphalt brings.

Monolithic structure

- element made entirely of FILCOTEN® HPC
- extremely robust and wear resistant
- ideal for dynamic exposure in road traffic

Tongue/groove/tenon system

- positive-locking groove/tongue/tenon system for accurately laid and flush-fitted elements
- predefined distance in the joint for optimum function of the insertable sealing profile

Sealing system ¹⁾ – easy-to-handle

- preformed groove on the front sides for easy insertion of the sealing profile
- permanent joint sealing through tight fit of the groove/tongue/tenon system
- requirements according to EN 1433

Highly efficient water run

- channel cross-section with innovative corrugated W-profile design for optimum hydraulic performance on partial and complete filling
- high self-cleaning effect of the W-profile through turbulence in the inflowing water



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Sustainable innovation.

¹⁾ Optional sealing profile.

²⁾ No use of synthetic resins.

³⁾ KIWA certificate number: NL BSB® K43940.

⁴⁾ Quality class U-A (certified by the Bautechnische Versuchs- und Forschungsanstalt Salzburg (bvfs)).

Inflow opening in the channel joint

Inflow opening in the joint with standard slot width for ideal water drainage



Optimised inflow openings

- slot widths in acc. with EN 1433
- S-design for efficient rainwater inflow

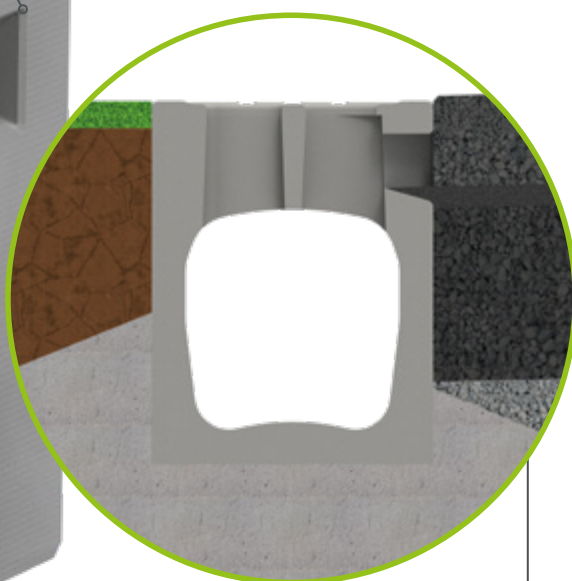
High drainage performance across two levels

- large OPA inlet cross-sections (3.3 x 6.3 cm) for maximum drainage of surface and seepage water
- OPA inlet cross-section 159 cm²/m
- Surface inlet cross-section 510 cm²/m

Class D 400

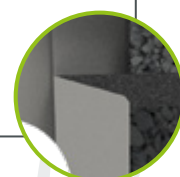
Verified LCA (life cycle assessment)

- low greenhouse gas emission levels
- manufactured using 100% green energy
- resource-efficient manufacturing process
- ideal for sustainable construction projects



For OPA surface optimised design

- Inflow openings with counterslope for safe processing of the poured asphalt
- Other OPA inflow heights available on request



Multiple certifications

- 100% recyclable, certified quality class U-A⁴⁾
- Certified organic material that meets the strict testing criteria of the Institute for Biologically Sound Construction Rosenheim (IBR) with regard to heavy metals, VOCs, biocides and radioactivity; styrene-free²⁾
- certified³⁾ in acc. with KIWA BRL 5070

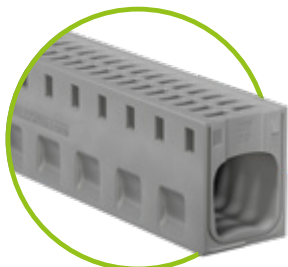


Areas of application:

- motorway
- dual carriageway

BG-FILCOTEN®

one opa



BG-FILCOTEN® one opa, NW 200

Monolithic channel made of FILCOTEN® HPC (High Performance Concrete) up to class D, with side inflow openings for open-pored asphalt

Item no.	Monolithic channel body up to class D – no slope	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
15020130	one opa NW 200, L = 1000 mm, SW 23/52	D 400	97.0 kg	9	

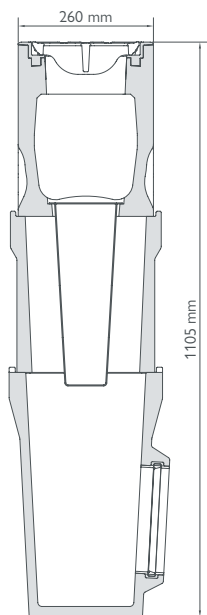
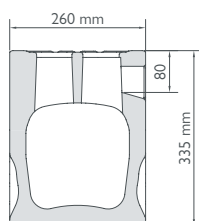
BG-FILCOTEN® one opa NW 200:

Inlet cross-section 510 cm²/m | Discharge cross-section 200/0: 370 cm²/m | OPA inlet cross-section: 159 cm²/m

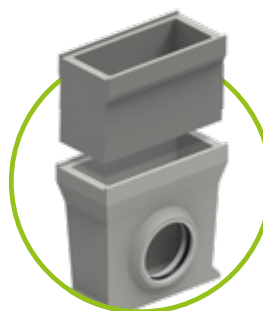
Accessories

for BG-FILCOTEN® one opa, NW 200

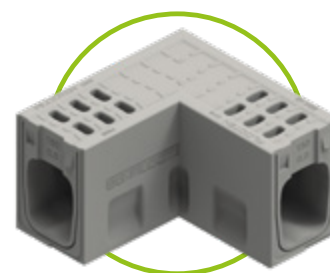
Item no.	Accessories	Cl. acc. EN 1433	Weight	Euro/pc.
15020000	Variable corner element, no. 0, SW 23/70 mm	F 900	114.0 kg	
15020180	Maintenance unit, no. 0, L = 1000 mm, incl. ductile iron grating ¹⁾	F 900	101.0 kg	
15020190	Outlet unit, no. 0, L = 1000 incl. ductile iron grating, with outlet opening DN 200 ¹⁾	F 900	99.0 kg	
15020170	Sump unit top part, no. 0, L = 1000 mm incl. ductile iron grating ¹⁾	F 900	96.0 kg	
19120094	Sump unit middle part, NW 200		29.0 kg	
19120095	Sump unit bottom part, NW 201, pipe-coupling DN 200		35.5 kg	
19120096	Sump unit bottom part, NW 201, pipe coupling DN 300		39.0 kg	
22511	Silt bucket for sump unit, plastic		0.7 kg	
19120100	Front cap, no. 0, without outlet		13.0 kg	
19120110	End cap, no. 0, with outlet DN 200		8.5 kg	
19120900	Lifting hook (consisting of 2 pcs.), painted black		2.1 kg	
19000703	Profile for joint sealing, no. 0, L = 760 mm		0.05 kg	



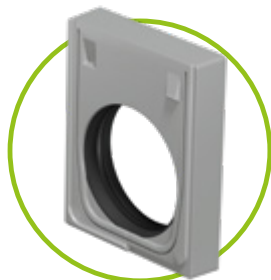
Maintenance unit or outlet element
incl. ductile iron grating



Sump unit
middle part and lower part
DN 200 / 300



Corner element, variable



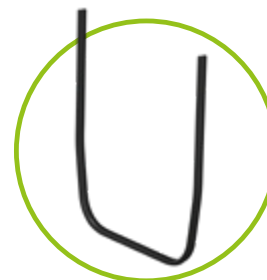
End cap
with outlet



Front cap
closed



Lifting hook (consisting of 2 pcs.),
for NW 200, painted black



Is a joint sealing profile required?
Please say so with your order.

References



Class E 600 – F 900



Every day for **years** **Top performance,** BG-CLASSIC

What makes a product a classic? Quite simply: top performance at all times. That is exactly what you get with our BG-CLASSIC channel systems. Discover impressive ruggedness and durability delivering superior drainage performance, also in the face of the toughest challenges.

- extreme adaptability and variability, can be installed in a wide range of locations
- Easy handling and assembly whilst delivering maximum performance.

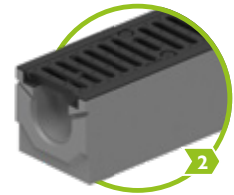


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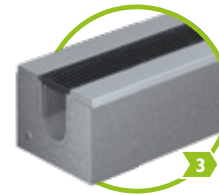
BG-CLASSIC BGU-Z
Universal channel
up to class E 600

pages 100 – 105



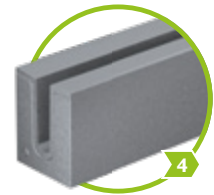
BG-CLASSIC BGZ-S
Heavy-duty channel
up to class F 900

pages 106 – 113



BG-CLASSIC BG-SI
Safety channel
up to class F 900

pages 114 – 116



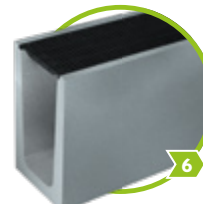
BG-CLASSIC BG-SL
Slot channel
up to class F 900

page 117



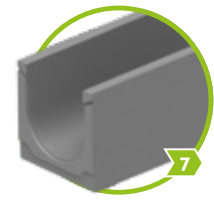
BG-CLASSIC BIG I
Heavy-duty channel
up to class F 900

pages 122 – 123



BG-CLASSIC BIG TANK
Heavy-duty channel
up to class F 900

page 124



BG-CLASSIC
Moat channel

page 125



Technical data: www.say.bg/en/bg-classic

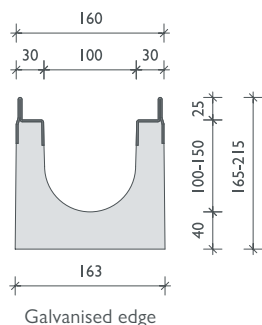
BG-CLASSIC channel systems sorted by application areas:

national roads	1 2 3 4 5 6 7	agriculture	1 2 3 4 5 6 7
container terminal	1 2 3 4 5 6 7	logistics area	1 2 3 4 5 6 7
airport (airside)	1 2 3 4 5 6 7	parking area (truck)	1 2 3 4 5 6 7
pedestrian zones	1 2 3 4 5 6 7	parking area (car)	1 2 3 4 5 6 7
harbour	1 2 3 4 5 6 7	heavy-duty areas	1 2 3 4 5 6 7
storage area	1 2 3 4 5 6 7	garage	1 2 3 4 5 6 7
land/forest paths	1 2 3 4 5 6 7		

up to class D 400

BG-CLASSIC BGU-Z

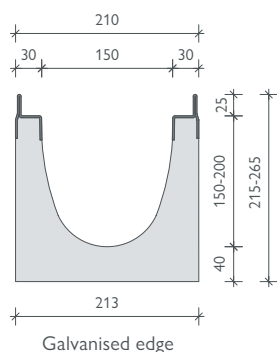
Universal channels SV V



BG-CLASSIC BGU-Z SV V, NW 100

Drainage channel with integrated cast iron edges up to class D, with quick-locking system (SV)

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
14570	BGU-Z SV V NW 100, no. 0	0.0 %	35.7 kg	28	
14586	BGU-Z SV V NW 100, no. 0, L = 500 mm	0.0 %	17.8 kg	28	
14571	BGU-Z SV V NW 100, no. 5-0	0.0 %	39.4 kg	21	
14572	BGU-Z SV V NW 100, no. 10-0	0.0 %	43.2 kg	21	
14576-85	BGU-Z SV V NW 100, no. 1 to no. 10	0.5 %	36.1-42.8 kg	21	
14573	BGU-Z SV V NW 101, no. 0, outlet opening DN 100	0.0 %	33.7 kg	28	
14574	BGU-Z SV V NW 101, no. 5-0, outlet opening DN 100	0.0 %	37.4 kg	21	
14575	BGU-Z SV V NW 101, no. 10-0, outlet opening DN 100	0.0 %	41.2 kg	21	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22152	BGU-Z mesh grating NW 100, 1000/147/25, MW 30/10	C 250	4.1 kg	120	
22153	BGU-Z mesh grating NW 100, 500/147/25, MW 30/10	C 250	2.2 kg	48	
22050	BGU-Z ductile iron slotted grating NW 100, 500/147/25, SW 16/120	C 250	3.9 kg	120	
23102	BGU-Z ductile iron slotted grating NW 100, 500/147/25, SW 18/120	D 400	4.0 kg	120	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22195	Sump unit SV V, 500/201/510 incl. pipe fair lead DN 150 ²⁾	concrete	47.7 kg	12	
22510	Silt bucket for sump unit	plastic	0.4 kg		
30019	Odour trap for bottom outlet DN 100	plastic	0.2 kg		
22220	Front cap	galvanised	0.4 kg		
22221	End cap with outlet DN 100	galvanised	0.5 kg		
22280	Bolting material for mesh grating (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron grating (1 pc. bolt, 1 pc. nut)				



BG-CLASSIC BGU-Z SV V, NW 150

Drainage channel with integrated cast iron edges up to class D, with quick-locking system (SV)

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
14670	BGU-Z SV V NW 150, no. 0	0.0 %	53.7 kg	20	
14686	BGU-Z SV V NW 150, no. 0, L = 500 mm	0.0 %	26.9 kg	20	
14671	BGU-Z SV V NW 150, no. 5-0	0.0 %	57.2 kg	15	
14672	BGU-Z SV V NW 150, no. 10-0	0.0 %	60.7 kg	15	
14676-85	BGU-Z SV V NW 150, no. 1 to no. 10	0.5 %	54.0-60.4 kg	15	
14673	BGU-Z SV V NW 151, no. 0, outlet opening DN 150	0.0 %	50.7 kg	20	
14674	BGU-Z SV V NW 151, no. 5-0, outlet opening DN 150	0.0 %	54.2 kg	15	
14675	BGU-Z SV V NW 151, no. 10-0, outlet opening DN 150	0.0 %	57.7 kg	15	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22162	BGU-Z mesh grating NW 150, 1000/197/25, MW 30/10	C 250	7.9 kg	100	
22163	BGU-Z mesh grating NW 150, 500/197/25, MW 30/10	C 250	4.0 kg	48	
22067	BGU-Z ductile iron slotted grating NW 150, 500/197/25, SW 18/170	C 250	5.5 kg	100	
22066	BGU-Z ductile iron slotted grating NW 150, 500/197/25, SW 18/170	D 400	6.5 kg	100	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22196	BGU-Z sump unit SV V, 500/261/690, incl. pipe fair lead DN 150 ²⁾	concrete	80.7 kg	8	
22511	Silt bucket for sump unit	plastic	0.4 kg		
22230	Front cap	galvanised	0.6 kg		
22231	End cap with outlet DN 150	galvanised	0.7 kg		
22280	Bolting material for mesh grating (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron grating (1 pc. bolt, 1 pc. nut)				



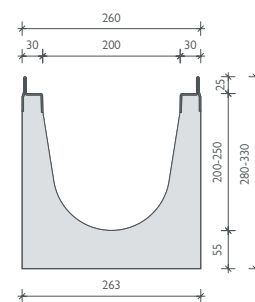
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¹⁾ Delivery time on request.
²⁾ Sump units see page 118 and 119.

BG-CLASSIC BGU-Z SV V, NW 200

Drainage channel with integrated cast iron edges up to class D, with quick-locking system (SV)

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
14770	BGU-Z SV V NW 200, no. 0	0.0 %	82.7 kg	12	
14786	BGU-Z SV V NW 200, no. 0, L = 500 mm	0.0 %	41.4 kg	12	
14771	BGU-Z SV V NW 200, no. 5-0	0.0 %	86.7 kg	12	
14772	BGU-Z SV V NW 200, no. 10-0	0.0 %	90.7 kg	12	
14776-85	BGU-Z SV V NW 200, no. 1 to no. 10	0.5 %	83.1-90.3 kg	12	
14773	BGU-Z SV V NW 201, no. 0, outlet opening DN 200	0.0 %	76.7 kg	12	
14774	BGU-Z SV V NW 201, no. 5-0, outlet opening DN 200	0.0 %	80.7 kg	12	
14775	BGU-Z SV V NW 201, no. 10-0, outlet opening DN 200	0.0 %	84.7 kg	12	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22174	BGU-Z mesh grating NW 200, 1000/247/25, MW 30/10	C 250	10.1 kg	60	
22175	BGU-Z mesh grating NW 200, 500/247/25, MW 30/10	C 250	5.1 kg	30	
22079	BGU-Z ductile iron slotted grating NW 200, 500/247/25, SW 18/220	D 400	8.2 kg	60	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22197	Sump unit SV V, 500/326/740 incl. pipe fair lead DN 200 ²⁾	concrete	95.7 kg	6	
22512	Silt bucket for sump unit NW 100	plastic	0.4 kg		
22240	Front cap	galvanised	0.7 kg		
22241	End cap with outlet DN 200	galvanised	0.9 kg		
22280	Bolting material for mesh grating (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron grating (1 pc. bolt, 1 pc. nut)				

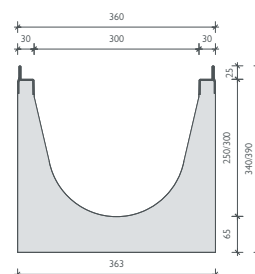
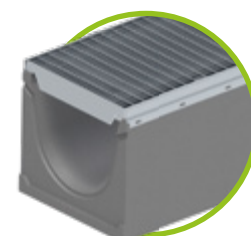


Galvanised edge

BG-CLASSIC BGU-Z SV V, NW 300

Drainage channel with integrated cast iron edges up to class D, with quick-locking system (SV)

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
14870	BGU-Z SV V NW 300, no. 0	0.0 %	122.0 kg	9	
14873	BGU-Z SV V NW 301, no. 0, outlet opening DN 200	0.0 %	115.0 kg	9	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22184	BGU-Z mesh grating NW 300, 1000/347/25, MW 30/10	C 250	23.6 kg	30	
22185	BGU-Z mesh grating NW 300, 500/347/25, MW 30/10	C 250	12.2 kg	24	
23180	BGU-Z ductile iron slotted grating NW 300, 500/347/25, SW 18/150	D 400	15.2 kg	30	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
23412	BGU-Z sump unit SV V, 550/565/990, two parts with pipe fair lead DN 200 ²⁾	concrete	212.0 kg	2	
22213	Silt bucket for sump unit	galvanised	3.2 kg		
22250	Front cap	galvanised	1.3 kg		
22251	End cap with outlet DN 200	galvanised	1.2 kg		
22280	Bolting material for mesh grating (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron grating (1 pc. bolt, 1 pc. nut)				



Galvanised edge



Bolting-material:
With gratings up to class D – requirement per m: 4 pcs.

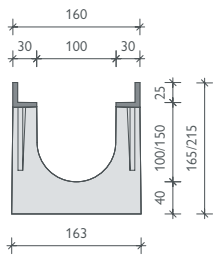


The SV ductile iron gratings can be additionally 2 point bolted.

up to class E 600

BG-CLASSIC BGU-Z

Universal channel SV G

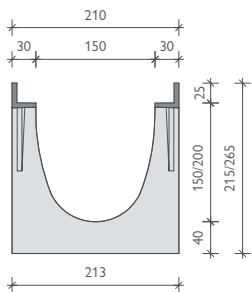


Ductile iron edge

BG-CLASSIC BGU-Z SV G, NW 100

Drainage channel with integrated cast iron edge up to class E, with quick-locking system (SV)

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
14500	BGU-Z SV G NW 100, no. 0	0.0 %	37.0 kg	28	
14530	BGU-Z SV G NW 100, no. 0, L = 500 mm	0.0 %	18.5 kg	28	
14501	BGU-Z SV G NW 100, no. 5-0	0.0 %	41.0 kg	21	
14502	BGU-Z SV G NW 100, no. 10-0	0.0 %	45.0 kg	21	
14510-19	BGU-Z SV G NW 100, no. 1 to no. 10	0.5 %	37.4-44.1 kg	21	
14505	BGU-Z SV G NW 101, no. 0, outlet opening DN 100	0.0 %	35.0 kg	28	
14506	BGU-Z SV G NW 101, no. 5-0, outlet opening DN 100	0.0 %	39.0 kg	21	
14507	BGU-Z SV G NW 101, no. 10-0, outlet opening DN 100	0.0 %	42.5 kg	21	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
23250	BGU-Z mesh grating 1000/147/25, MW 30/10	D 400 kN	6.4 kg	120	
23251	BGU-Z mesh grating 500/147/25, MW 30/10	D 400 kN	3.2 kg	48	
22050	BGU-Z ductile iron grating 500/147/25, SW 16/120	C 250 kN	3.9 kg	120	
23102	BGU-Z ductile iron grating 500/147/25, SW 18/120	D 400 kN	4.0 kg	120	
22756	BGU-Z ductile iron elongated bar grating 500/147/25, MW 27/13	E 600 kN	4.3 kg	120	
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22056	BGU-Z ductile iron slotted grating 500/146/25, SW 18/120	D 400 kN	4.2 kg	120	
22757	BGU-Z ductile iron longitudinal bar grating 500/147/25, MW 27/13	E 600 kN	4.6 kg	120	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22206	Sump unit SV G 500/201/510 incl. pipe fair lead DN 150 ²⁾	concrete	49.0 kg	12	
22510	Silt bucket for sump unit	plastic	0.4 kg		
30019	Odour trap for bottom outlet DN 100	plastic	0.2 kg		
22220	Front cap	galvanised	0.4 kg		
22221	End cap with outlet DN 100	galvanised	0.5 kg		
22280	Bolting material for mesh gratings (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron gratings (1 pc. bolt, 1 pc. nut)				



Ductile iron edge

BG-CLASSIC BGU-Z SV G, NW 150

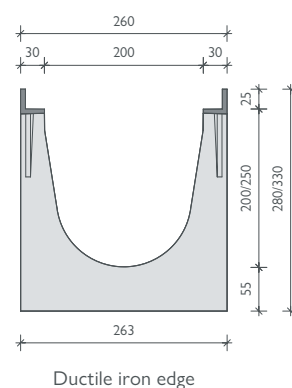
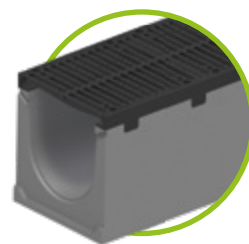
Drainage channel with integrated cast iron edge up to class E, with quick-locking system (SV)

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
14601	BGU-Z SV G NW 150, no. 0	0.0 %	55.0 kg	20	
14617	BGU-Z SV G NW 150, no. 0, L = 500 mm	0.0 %	27.5 kg	20	
14602	BGU-Z SV G NW 150, no. 5-0		58.5 kg	15	
14603	BGU-Z SV G NW 150, no. 10-0	0.0 %	62.0 kg	15	
14607-16	BGU-Z SV G NW 150, no. 1 to no. 10	0.5 %	55.4-61.7 kg	15	
14604	BGU-Z SV G NW 151, no. 0, outlet opening DN 150	0.0 %	52.0 kg	20	
14605	BGU-Z SV G NW 151, no. 5-0, outlet opening DN 150	0.0 %	55.5 kg	15	
14606	BGU-Z SV G NW 151, no. 10-0, outlet opening DN 150	0.0 %	59.0 kg	15	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
23260	BGU-Z mesh grating 1000/197/25, MW 30/10	D 400 kN	10.2 kg	100	
23261	BGU-Z mesh grating 500/197/25, MW 30/10	D 400 kN	5.3 kg	48	
22067	BGU-Z ductile iron grating 500/197/25, SW 18/170	C 250 kN	5.5 kg	100	
22066	BGU-Z ductile iron grating 500/197/25, SW 18/170	D 400 kN	6.5 kg	100	
22764	BGU-Z ductile iron elongated bar grating 500/197/25, MW 27/13	E 600 kN	7.3 kg	100	
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22065	BGU-Z ductile iron slotted grating 500/196/25, SW 18/170	D 400 kN	5.9 kg	128	
22765	BGU-Z ductile iron elongated bar grating 500/197/25, MW 27/13	E 600 kN	7.6 kg	100	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22207	Sump unit SV G 500/261/690 incl. pipe fair lead DN 150 ²⁾	concrete	82.0 kg	8	
22511	Silt bucket for sump unit	plastic	0.7 kg		
22230	Front cap	galvanised	0.6 kg		
22231	End cap with outlet DN 150	galvanised	0.7 kg		
22280	Bolting material for mesh gratings (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron gratings (1 pc. bolt, 1 pc. nut)				

BG-CLASSIC BGU-Z SV G, NW 200

Drainage channel with integrated cast iron edge up to class E, with quick-locking system (SV)

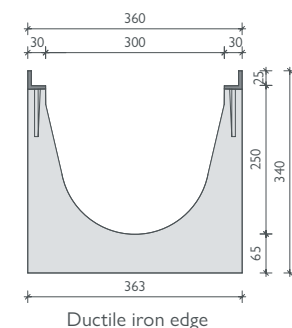
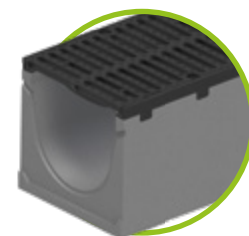
Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
14700	BGU-Z SV G NW 200, no. 0	0.0 %	84.0 kg	12	
14716	BGU-Z SV G NW 200, no. 0, L = 500 mm	0.0 %	42.0 kg	12	
14701	BGU-Z SV G NW 200, no. 5-0	0.0 %	88.0 kg	12	
14702	BGU-Z SV G NW 200, no. 10-0	0.0 %	92.0 kg	12	
14706-15	BGU-Z SV G NW 200, no. 1 to no. 10	0.5 %	84.4-91.6 kg	12	
14703	BGU-Z SV G NW 201, no. 0, outlet opening DN 200	0.0 %	78.0 kg	12	
14704	BGU-Z SV G NW 201, no. 5-0, outlet opening DN 200	0.0 %	82.0 kg	12	
14705	BGU-Z SV G NW 201, no. 10-0, outlet opening DN 200	0.0 %	86.0 kg	12	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
23270	BGU-Z mesh grating 1000/247/25, MW 30/10	D 400 kN	16.0 kg	60	
23271	BGU-Z mesh grating 500/247/25, MW 30/10	D 400 kN	8.2 kg	30	
22079	BGU-Z ductile iron grating 500/247/25, SW 18/220	D 400 kN	8.2 kg	60	
22774	BGU-Z ductile iron elongated bar grating 500/247/25, MW 27/13	E 600 kN	9.1 kg	60	
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22075	BGU-Z ductile iron slotted grating 500/246/25, SW 18/220	D 400 kN	7.9 kg	96	
22775	BGU-Z ductile iron longitudinal bar grating 500/247/25, MW 27/13	E 600 kN	9.1 kg	60	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22208	Sump unit SV G 500/326/740 incl. pipe fair lead DN 200 ²⁾	concrete	97.0 kg	6	
22512	Silt bucket for sump unit	plastic	0.7 kg		
22240	Front cap	galvanised	0.7 kg		
22241	End cap with outlet DN 200	galvanised	0.9 kg		
22280	Bolting material for mesh gratings (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron gratings (1 pc. bolt, 1 pc. nut)				



BG-CLASSIC BGU-Z SV G, NW 300

Drainage channel with integrated cast iron edge up to class E, with quick-locking system (SV)

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
14800	BGU-Z SV G NW 300, no. 0	0.0 %	123.0 kg	9	
14803	BGU-Z SV G NW 301 no. 0, outlet opening DN 200	0.0 %	116.0 kg	9	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22184	BGU-Z mesh grating 1000/347/25, MW 30/10	C 250 kN	23.6 kg	30	
22185	BGU-Z mesh grating 500/347/25, MW 30/10	C 250 kN	12.2 kg	24	
23180	BGU-Z ductile iron grating 500/347/25, SW 18/150	D 400 kN	15.2 kg	30	
22784	BGU-Z ductile iron elongated bar grating 500/347/25, MW 25/14	E 600 kN	16.5 kg	30	
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22085	BGU-Z ductile iron slotted grating 500/346/25, SW 18/150	D 400 kN	15.6 kg	30	
22785	BGU-Z ductile iron elongated bar grating 500/347/25, MW 25/14	E 600 kN	16.5 kg	30	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
23410	Sump unit SV G 550/565/990, two parts incl. pipe fair lead DN 200 ^{1) 2)}	concrete	213.0 kg	2	
22213	Silt bucket for sump unit	galvanised	3.2 kg		
22250	Front cap	galvanised	1.3 kg		
22251	End cap with outlet DN 200	galvanised	1.2 kg		
22280	Bolting material for mesh gratings (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron gratings (1 pc. bolt, 1 pc. nut)				



Bolting-material:

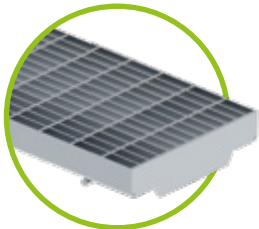
With gratings up to class D – requirement per m: 4 pcs.

With gratings up to class E – requirement per m: 8 pcs.

BG-CLASSIC BGR-Z

Universal channels SV V/G

Gratings: **BG-CLASSIC** BGR-Z Universal channels SV:
NW 100, 150, 200, 300



Mesh grating MW 30/10,
Class D for NW 100 to 200
quick-locking system



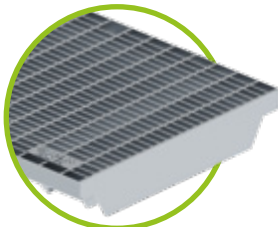
Ductile iron slotted grating SW 16/120,
18/120, 18/170, class C or class D for
NW 100 - 150, SW 18/220, class D for
NW 200, SV or 2-point bolting



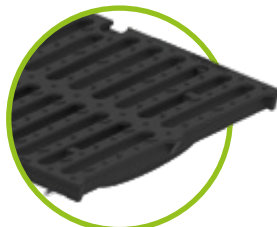
Ductile iron slotted grating
SW 18/120, 18/170, 18/220,
Class D for NW 100 - 200
4-point bolting



Ductile iron longitudinal bar grating
MW 27/13, class E
for NW 100 - 200
SV or 4-point bolting



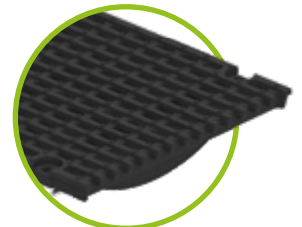
Mesh grating MW 30/10,
class C for NW 300
quick-locking system



Ductile iron slotted grating SW 18/150,
class D for NW 300
SV or 2-point bolting



Ductile iron slotted grating SW
18/150, class D for NW 300
4-point bolting

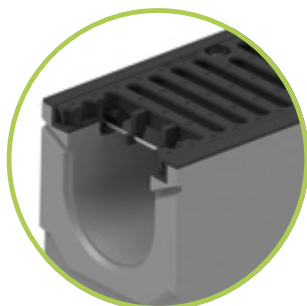


Ductile iron longitudinal bar grating
MW 25/14, class E for NW 300
SV or 4-point bolting

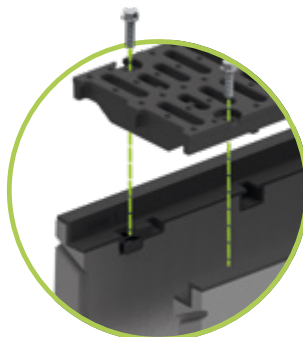


Depending on the area of use, gratings are designed with a quick-locking system, 2-point bolting, 4-point bolting or a combination of these!

Quick-locking system or connection with 4 locking bolts.



Tension rods for quick-locking system
integrated

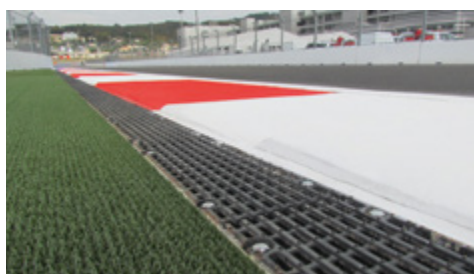


Locking bolts can be replaced
at any time



Additional protection against
longitudinal movement

References



The **all-rounder:** Always a force to be reckoned with.

For areas that need to withstand heavy loads: High load class up to F 900; suitable for asphalt surfaces; channel with cast iron edge set in concrete in Z profile; gratings can be bolted up to 8 times per metre; fittings can be replaced at any time.

Class F 900

Secure hold for the grate

- ductile iron grating in class D to F available
- ductile iron slotted grating, ductile iron longitudinal bar grating and depending on nominal width also closed covers available
- also the intelligent four-point quick-locking is available in classes C to E

Cast iron Z-edge

- solid edge in concrete with anchoring ribs
- recesses for bolting and protection against longitudinal movement

Safety joint

Sealable safety seam enables a tight connection



Boltable ductile cast iron gratings

- extremely stable thanks to the quadruple safety bolting
- available for gratings class C to F
- easy to maintain thanks to the exchangeable bolting

Longitudinal movement protection

- pins in grating are retained within the channel edge rail

Download here:

Tender text, datasheets, DoP, installation guidelines, installation detail, product drawing, BIM data



www.say.bg/en/bg-classic

larger sizes of channel body available

- for high load classes up to F 900
- plain surface finish of the outer sidewall
- ease of installation with any surrounding cover layer

The benefits at a glance:

- optimised for the most demanding application areas
- easy handling, highly practical, reduced construction times
- solid channel body up to load class F 900 kN (type M in accordance with EN 1433)
- high-quality concrete with structural reinforcement
- solid cast iron edge affords all-around protection
- bolted cast iron gratings with protection against longitudinal movement

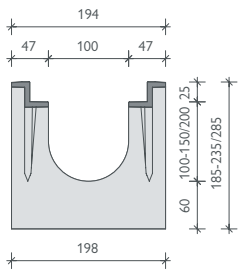
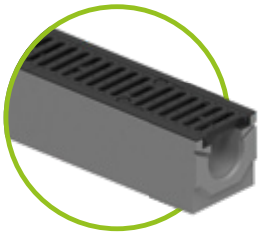
Areas of application:

• logistics area	• local roads
• parking area (truck)	• container ports
• garage	• airport (airside)
• storage area	• heavy-duty areas
• harbour	

up to class F 900

BG-CLASSIC BGZ-S

Heavy-duty channel SV

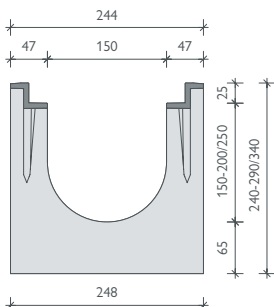


Ductile iron edge

BG-CLASSIC BGZ-S SV G, NW 100

Drainage channel with cast-in ductile iron edges (G) up to class F, with quick-locking system (SV) or bolt connection

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
16500	BGZ-S SV G NW 100, no. 0	0.0 %	63.0 kg	15	
16530	BGZ-S SV G NW 100, no. 0, L = 500 mm	0.0 %	31.5 kg	20	
16501-02	BGZ-S SV G NW 100, no. 5-0, no. 10-0	0.0 %	68.0-73.0 kg	15	
16504	BGZ-S SV G NW 100, no. 20-0	0.0 %	83.0 kg	10	
16510-19	BGZ-S SV G NW 100, no. 1 to no. 10	0.5 %	64.0-73.0 kg	15	
16505	BGZ-S SV G NW 101, no. 0, outlet opening DN 100	0.0 %	60.0 kg	15	
16506	BGZ-S SV G NW 101, no. 5-0, outlet opening DN 100	0.0 %	65.0 kg	15	
16507	BGZ-S SV G NW 101, no. 10-0, outlet opening DN 100	0.0 %	70.0 kg	15	
16509	BGZ-S SV G NW 101, no. 20-0, outlet opening DN 100	0.0 %	80.0 kg	10	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
23250	Mesh grating 1000/147/25, MW 30/10	D 400	6.4 kg	120	
23251	Mesh grating 500/147/25, MW 30/10	D 400	3.3 kg	48	
23102	Ductile iron slotted grating 500/147/25, SW 18/120	D 400	4.0 kg	120	
22756	Ductile iron longitudinal bar grating 500/147/25, MW 27/13	E 600	4.3 kg	120	
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22056	Ductile iron slotted grating 500/147/25, SW 18/120	D 400	4.2 kg	120	
22757	Ductile iron longitudinal bar grating 500/147/25, MW 27/13	E 600	4.6 kg	120	
22053	Ductile iron slotted grating 500/147/25, SW 16/120	F 900	5.7 kg	120	
22059	Ductile iron grating 500/147/25, closed cover ¹⁾	F 900	8.0 kg	120	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22200	Sump unit SV G 500/211/510 incl. pipe fair lead DN 150 ²⁾	concrete	67.0 kg	10	
22510	Silt bucket for sump unit	plastic	0.4 kg		
30019	Odour trap for outlet opening DN 100	plastic	0.2 kg		
31310	Forsheda-sealing for outlet opening DN 100	elastomer	0.4 kg		
22220	Front cap	galvanised	0.4 kg		
22221	End cap with outlet DN 100	galvanised	0.5 kg		
22280	Bolting material for mesh gratings (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron gratings (1 pc. bolt, 1 pc. nut)				



Ductile iron edge

BG-CLASSIC BGZ-S SV G, NW 150

Drainage channel with cast-in ductile iron edges (G) up to class F, with quick-locking system (SV) or bolt connection

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
16600	BGZ-S SV G NW 150, no. 0	0.0 %	86.0 kg	12	
16630	BGZ-S SV G NW 150, no. 0, L = 500 mm	0.0 %	43.0 kg	16	
16601-02	BGZ-S SV G NW 150, no. 5-0, no. 10-0	0.0 %	91.0-96.0 kg	12	
16604	BGZ-S SV G NW 150, no. 20-0	0.0 %	105.0 kg	8	
16610-19	BGZ-S SV G NW 150, no. 1 to no. 10	0.5 %	87.0-95.0 kg	12	
16605	BGZ-S SV G NW 151, no. 0, outlet opening DN 150	0.0 %	82.0 kg	12	
16606	BGZ-S SV G NW 151, no. 5-0, outlet opening DN 150	0.0 %	86.8 kg	12	
16607	BGZ-S SV G NW 151, no. 10-0, outlet opening DN 150	0.0 %	91.5 kg	12	
16609	BGZ-S SV G NW 151, no. 20-0, outlet opening DN 150	0.0 %	101.0 kg	8	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
23260	Mesh grating 1000/197/25, MW 30/10	D 400	10.2 kg	100	
23261	Mesh grating 500/197/25, MW 30/10	D 400	5.3 kg	48	
22066	Ductile iron slotted grating 500/197/25, SW 18/170	D 400	6.5 kg	100	
22764	Ductile iron longitudinal bar grating 500/197/25, MW 27/13	E 600	7.3 kg	100	
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22065	Ductile iron slotted grating 500/197/25, SW 18/170	D 400	5.9 kg	100	
22765	Ductile iron elongated bar grating 500/197/25, MW 27/13	E 600	7.6 kg	100	
22063	Ductile iron slotted grating 500/197/25, SW 15/75	F 900	11.7 kg	100	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22201	Sump unit SV G 500/261/690 incl. pipe fair lead DN 150 ²⁾	concrete	95.0 kg	8	
22511	Silt bucket for sump unit	plastic	0.7 kg		
31311	Forsheda-sealing for outlet opening DN 150	elastomer	0.5 kg		
22230	Front cap	galvanised	0.6 kg		
22231	End cap with outlet DN 150	galvanised	0.7 kg		
22280	Bolting material for mesh gratings (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron gratings (1 pc. bolt, 1 pc. nut)				



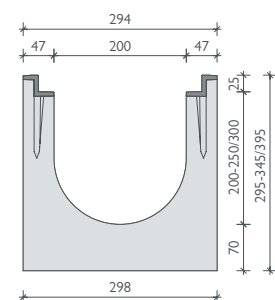
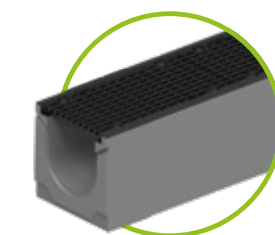
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¹⁾ Delivery time on request.
²⁾ Sump units see page 118 and 119.

BG-CLASSIC BGZ-S SV G, NW 200

Drainage channel with cast-in ductile iron edges (G) up to class F, with quick-locking system (SV) or bolt connection

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
16700	BGZ-S SV G NW 200, no. 0	0.0 %	114.0 kg	8	
16716	BGZ-S SV G NW 200, no. 0, L = 500 mm	0.0 %	57.0 kg	8	
16701-02	BGZ-S SV G NW 200, no. 5-0, no. 10-0	0.0 %	119.0-124.0 kg	8	
16727	BGZ-S SV G NW 200, no. 20-0	0.0 %	134.0 kg	8	
16706-15	BGZ-S SV G NW 200, no. 1 to no. 10	0.5 %	115.0-124.0 kg	8	
16703	BGZ-S SV G NW 201, no. 0, outlet opening DN 200	0.0 %	107.0 kg	8	
16704	BGZ-S SV G NW 201, no. 5-0, outlet opening DN 200	0.0 %	112.0 kg	8	
16705	BGZ-S SV G NW 201, no. 10-0, outlet opening DN 200	0.0 %	117.0 kg	8	
16729	BGZ-S SV G NW 201, no. 20-0, outlet opening DN 200	0.0 %	127.0 kg	8	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
23270	Mesh grating 1000/247/25, MW 30/10	D 400	16.0 kg	60	
23271	Mesh grating 500/247/25, MW 30/10	D 400	8.2 kg	30	
22079	Ductile iron slotted grating 500/247/25, SW 18/220	D 400	8.2 kg	60	
22774	Ductile iron longitudinal bar grating 500/247/25, MW 27/13	E 600	9.1 kg	60	
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22075	Ductile iron slotted grating 500/246/25, SW 18/220	D 400	7.9 kg	60	
22775	Ductile iron longitudinal bar grating 500/247/25, MW 27/13	E 600	9.4 kg	60	
22073	Ductile iron slotted grating 500/247/25, SW 16/220	F 900	13.8 kg	60	
22078	Ductile iron grating 500/247/25, closed cover ¹⁾	F 900	17.1 kg	60	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22204	Sump unit SV G 500/326/740 incl. pipe fair lead DN 200 ²⁾	concrete	105.0 kg	6	
22512	Silt bucket for sump unit	plastic	0.7 kg		
31312	Forsheda-sealing for outlet opening DN 200	elastomer	0.6 kg		
22240	Front cap	galvanised	0.7 kg		
22241	End cap with outlet DN 200	galvanised	0.9 kg		
22280	Bolting material for mesh gratings (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron gratings (1 pc. bolt, 1 pc. nut)				

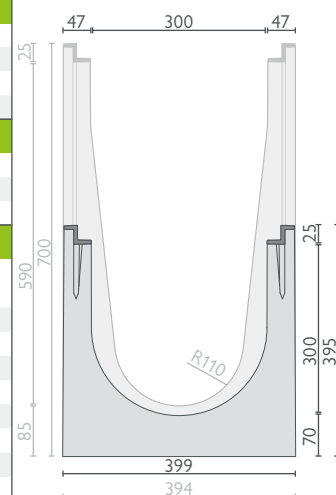
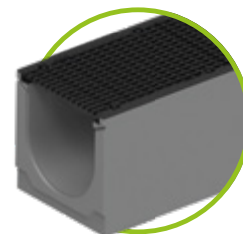


Ductile iron edge

BG-CLASSIC BGZ-S SV G, NW 300

Drainage channel with cast-in ductile iron edges (G) up to class F, with quick-locking system (SV) or bolt connection

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
16800	BGZ-S SV G NW 300, no. 0	0.0 %	160.0 kg	6	
16840	BGZ-S SV G NW 300, CH 700 mm, L = 2500	0.0 %	671.0 kg	2	
16842	BGZ-S SV G NW 300, CH 700 mm, L = 1000	0.0 %	269.0 kg	2	
16801	BGZ-S SV G NW 301, no. 0, outlet opening DN 200	0.0 %	162.0 kg	6	
16841	BGZ-S SV G NW 301, CH 700 mm, outlet opening DN 200, L = 2500	0.0 %	662.0 kg	2	
16843	BGZ-S SV G NW 301, CH 700 mm, outlet opening DN 200, L = 1000	0.0 %	258.0 kg	2	
Item no.	Gratings incl. quick-locking system	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22184	Mesh grating 1000/347/25, MW 30/10	C 250	23.6 kg	30	
22185	Mesh grating 500/347/25, MW 30/10	C 250	12.2 kg	24	
23180	Ductile iron slotted grating 500/347/25, SW 18/150	D 400	15.2 kg	30	
22784	Ductile iron longitudinal bar grating 500/347/25, MW 25/14	E 600	16.5 kg	30	
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22085	Ductile iron slotted grating 500/347/25, SW 18/150	D 400	15.6 kg	30	
22785	Ductile iron longitudinal bar grating 500/347/25, MW 25/14	E 600	16.9 kg	30	
22083	Ductile iron slotted grating 500/347/25, SW 16/148 ¹⁾	F 900	26.1 kg	40	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22198	Sump unit SV G 550/565/990, two parts with pipe fair lead DN 200 ²⁾	concrete	214.0 kg	2	
22213	Silt bucket for sump unit	galvanised	3.2 kg		
31312	Forsheda-sealing for outlet opening DN 200	elastomer	0.6 kg		
22250	Front cap	galvanised	1.3 kg		
22251	End cap with outlet DN 200	galvanised	1.2 kg		
22253	Front cap, CH 700	galvanised	3.1 kg		
22254	End cap, CH 700, outlet DN 200	galvanised	3.1 kg		
22255	End cap, CH 700, outlet DN 300	galvanised	2.9 kg		
22280	Bolting material for mesh gratings (1 pc. bolt, 1 pc. nut)				
22281	Bolting material for ductile iron gratings (1 pc. bolt, 1 pc. nut)				



Ductile iron edge

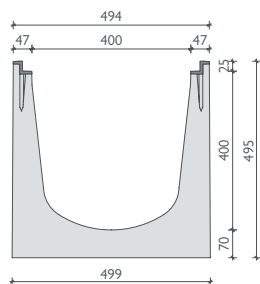
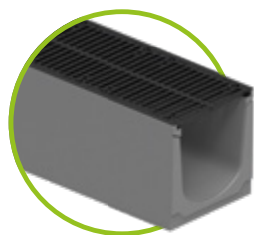


Bolting-material: Gratings up to class D – requirement per m: 4 pcs. / ductile iron gratings class E and class F – requirement per m: 8 pcs.

up to class F 900

BG-CLASSIC BGZ-S

Heavy-duty channel

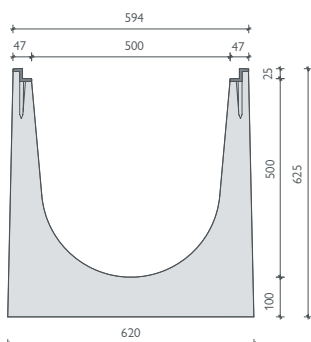
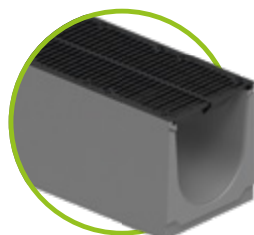


Ductile iron edge

BG-CLASSIC BGZ-S G, NW 400

Drainage channel with cast-in ductile iron edge (G) up to class F, with bolttable ductile iron gratings

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
16850	BGZ-S G NW 400, no. 0	0.0 %	225.0 kg	4	
16851	BGZ-S G NW 401 no. 0, outlet opening DN 200	0.0 %	218.0 kg	4	
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22088	Ductile iron slotted grating 500/447/25, SVV 18/200	D 400	20.6 kg	20	
22090	Ductile iron longitudinal bar grating 500/447/25, MW 25/14 ¹⁾	E 600	27.1 kg	20	
22087	Ductile iron slotted grating 500/447/25, SVV 15/125 ¹⁾	F 900	41.4 kg	20	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22194	Sump unit G 550/565/990, two parts incl. pipe fair lead DN 200 ²⁾	concrete	200.0 kg	2	
22214	Silt bucket for sump unit	galvanised	3.8 kg		
31312	Forsheda-sealing for outlet opening DN 200	elastomer	0.6 kg		
22260	Front cap	galvanised	2.1 kg		
22261	End cap with outlet DN 200	galvanised	2.4 kg		
22281	Bolting material for ductile iron gratings (1 pc. bolt, 1 pc. nut)				



Ductile iron edge

BG-CLASSIC BGZ-S G, NW 500

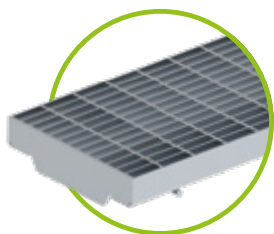
Drainage channel with cast-in ductile iron edges (G) up to class F, with bolttable ductile iron gratings

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
16903	BGZ-S G NW 500, no. 0, L = 2500 ¹⁾	0.0 %	880.0 kg	1	
16901	BGZ-S G NW 500, no. 0, L = 1000 ¹⁾	0.0 %	360.0 kg	1	
16902	BGZ-S G NW 501, no. 0, outlet opening DN 200, L = 1000	0.0 %	353.0 kg	1	
Item no.	Gratings incl. 4 pcs. locking bolts – M 10	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22094	Ductile iron slotted grating 500/547/25, SVV 18/248 ¹⁾	D 400	29.8 kg	20	
22091	Ductile iron slotted grating 500/547/25, SVV 18/248 ¹⁾	E 600	31.3 kg	20	
22092	Ductile iron slotted grating 500/547/25, SVV 20/170 ¹⁾	F 900	48.8 kg	20	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
22270	Front cap	galvanised	3.1 kg		
22271	End cap with outlet DN 200	galvanised	3.1 kg		
31312	Forsheda-sealing for outlet opening DN 200	elastomer	0.6 kg		
22281	Bolting material M 10 for ductile iron gratings (1 pc. bolt, 1 pc. nut)				

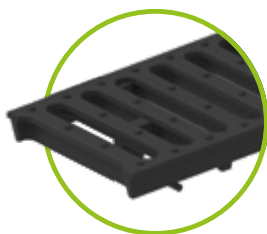


Bolting-material: required per m: 8 pcs.

Gratings: BG-CLASSIC BGZ-S heavy-duty channels NW 100, 150, 200, 300, 400, 500



Mesh grating MW 30/10,
class D – SV system,
for NW 100 to 200



Ductile iron grating SW 18/120,
18/170, 18/220 – class D –
quick-locking system,
for NW 100 to 200



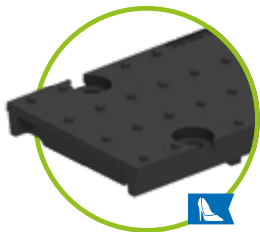
Ductile iron grating SW 18/120,
18/170, 18/220 – class D
4 point boltable,
for NW 100 to 200



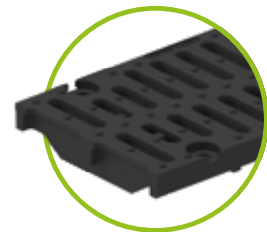
Ductile iron elongated bar grating
MW 27/13 – class E
SV or 4 point boltable,
for NW 100 to 200



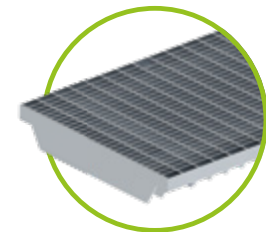
Ductile iron grating SW 16/120
and/or 16/220 – class F
4 point boltable,
for NW 100 and 200



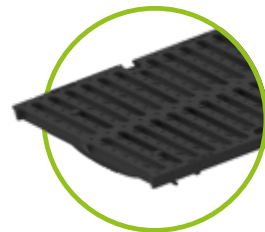
Ductile iron grating class F
closed cover
4 point boltable
for NW 100 and 200



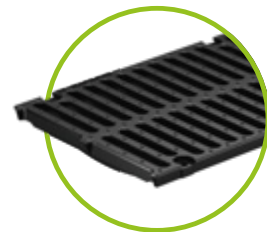
Ductile iron grating
SW 15/75 – class F,
4 point boltable,
for NW 150



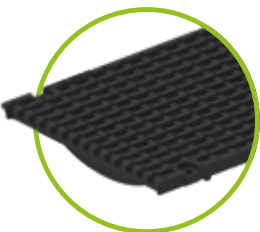
Mesh grating MW 30/10,
class C – SV system,
for NW 300



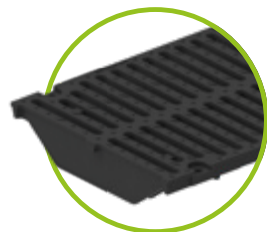
Ductile iron grating SW 18/150
class D – SV system,
for NW 300



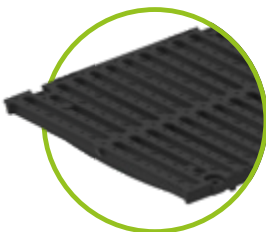
Ductile iron grating SW 18/150
class D – 4 point boltable
for NW 300



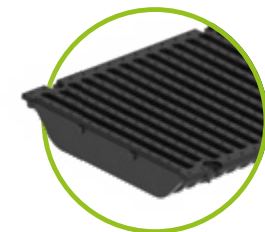
Ductile iron elongated bar grating
MW 25/14, class E – SV system
or 4 point boltable, for NW 300
only 4 point boltable for NW 400



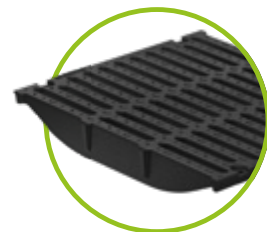
Ductile iron grating
SW 16/148 – class F
4 point boltable
for NW 300



Ductile iron grating 4 point boltable
class D – SW 18/200 for NW 400
class D and E – SW 18/248
for NW 500



Ductile iron grating
SW 15/125 – class F
4 point boltable
for NW 400

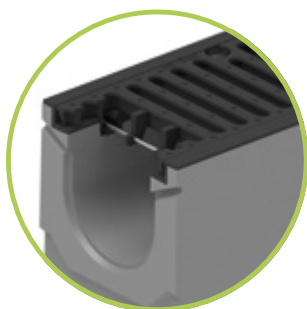


Ductile iron grating
SW 20/170 – class F
4 point boltable
for NW 500

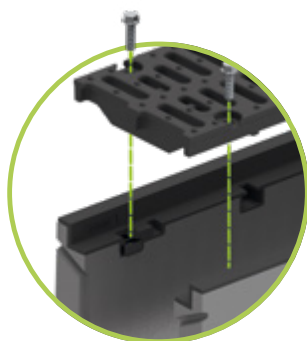


Depending on the area of use, gratings are designed with a quick-locking system, 2-point bolting, 4-point bolting or a combination of these!

Quick-locking system or connection with 4 locking bolts.



Tension rods for quick-locking system
integrated

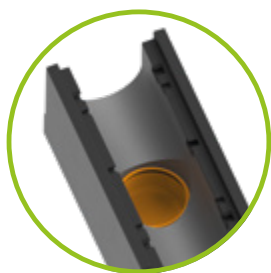


Locking bolts can be replaced
at any time



Additional protection against longitudinal
movement

BG-CLASSIC



Channel with outlet opening,
DN same as NW – though maximum DN 200



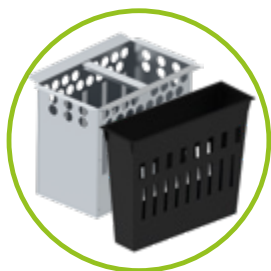
Odour trap for outlet opening consisting of
3 parts – insert in channels with outlet opening
DN 100 – not for retro-fitting



Forsheda sealing for
outlet opening – only with
BGZ-S channel



*Positioning of outlet opening:
channel end to outlet centre = 250 mm*



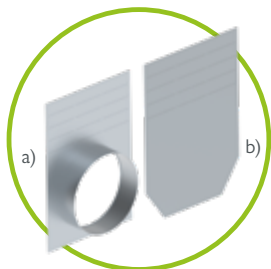
Silt bucket for
BGZ-S and BGU-Z channels
plastic: NW 100 – 200
galvanised steel: 2-parts sump units
NW 300 and 400



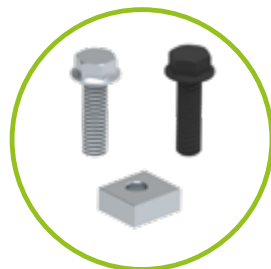
Sump unit for
BGU-Z universal channels,
L = 500 mm, to fit NW
incl. pipe fair lead



Sump unit for
BGZ-S heavy-duty channel
L = 500 mm, to fit NW
incl. pipe fair lead



a) End cap with outlet
b) Front cap
both for BGZ-S and
BGU-Z channels

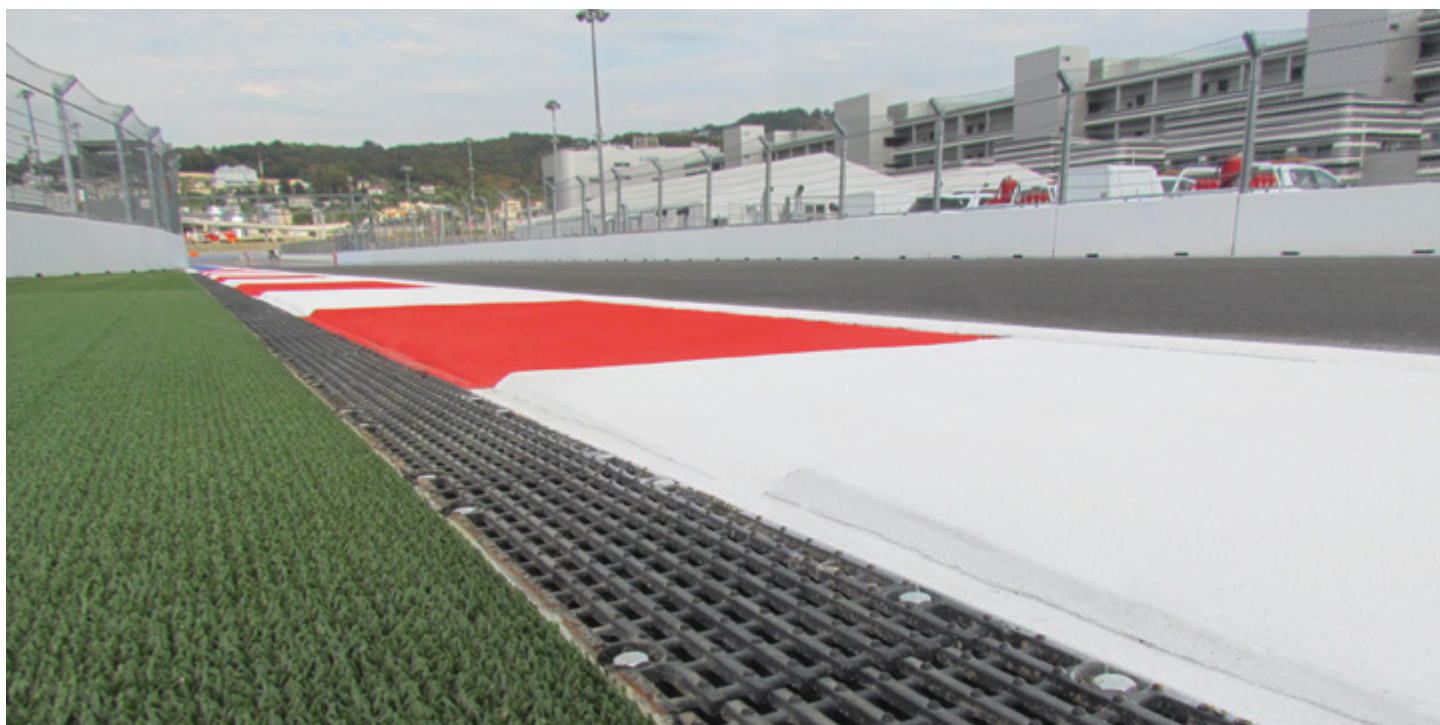


Locking bolts M 10, for all mesh-
or ductile iron gratings,
for BGU-Z and BGZ-S channels



Sealing system suitable for all channels
with safety seam – for sealing the
channel joints

References



Extremely **stable** and **safe.**

Vehicles and aircraft are becoming heavier and traffic intensity is increasing all the time, presenting a growing challenge for transport infrastructure – this is especially true at airports, for motorways and container terminals. This trend is likely to continue, with no end in sight. The BG-CLASSIC BG-SI safety channel has been specially developed to meet these challenges.

Exceptionally robust.

The channel has a solid concrete body with appropriate reinforcement and 4-times bolted ductile iron gratings. This makes it perfect for any locations with heavy vehicle movements where high mechanical stresses such as rotary, braking and shear forces can be expected.

Class F 900

All-round galvanised steel edge

- fully integrated and 4 mm thick
- channel body casing in the visible area
- sealed all-round edge protection

Sealable channel system

- moulded safety seam on the front side
- channel can be sealed at the full cross-section

Pre-formed spacer

- pre-defined distance between elements
- precisely engineered joints
- simple, efficient installation

Exceptionally time-efficient

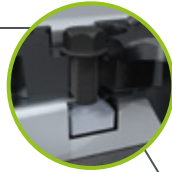
- additional concrete casing is eliminated as this is a Type I channel in accordance with EN 1433
- no need to wait before laying the adjacent carriageway structure



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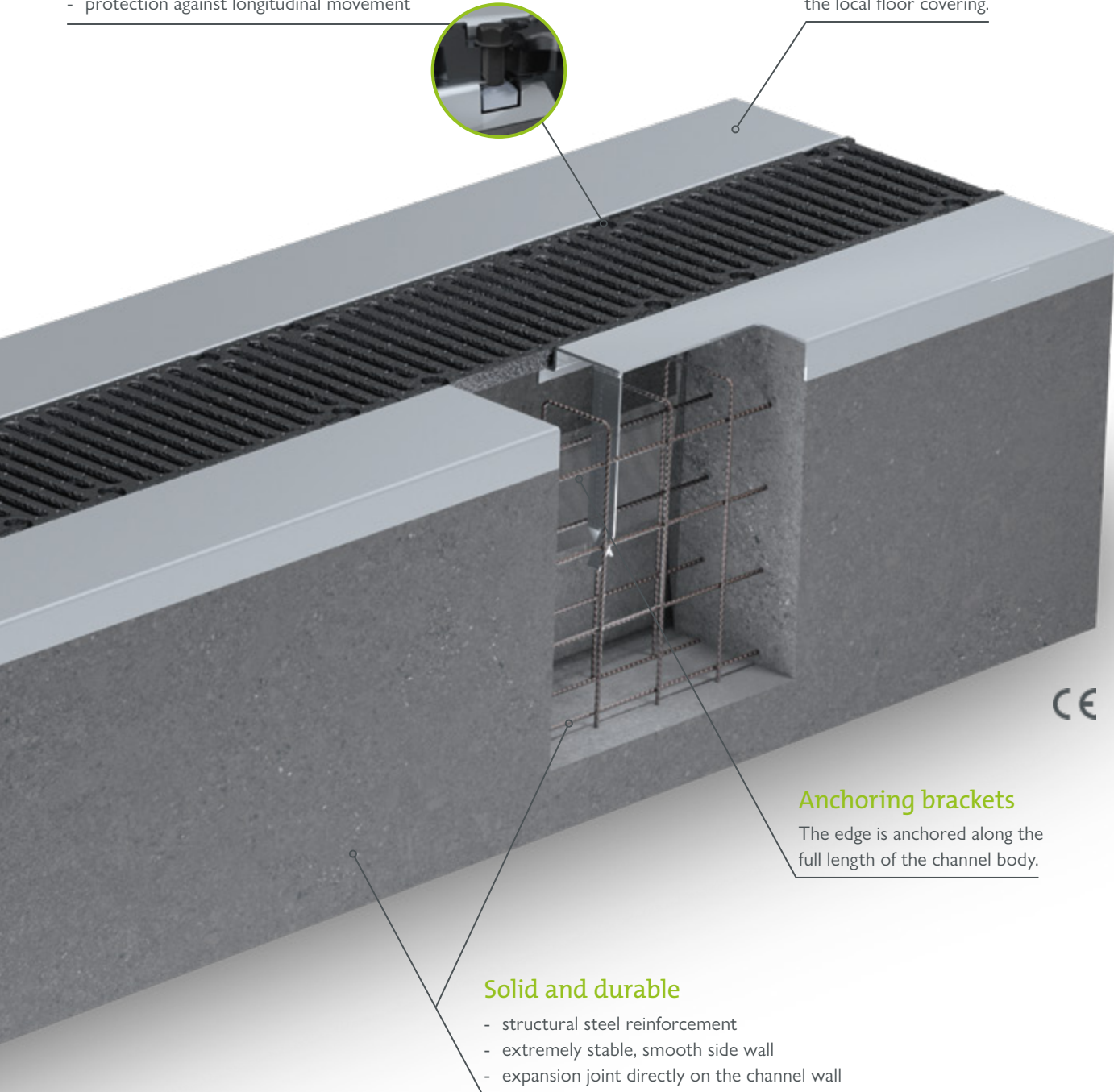
Boltable ductile cast iron gratings

- extremely stable thanks to the quadruple safety bolting
- easy to maintain thanks to the exchangeable bolting
- protection against longitudinal movement



Perfect fit

Level edge surface for the best possible, level connection to the local floor covering.



Anchoring brackets

The edge is anchored along the full length of the channel body.

Solid and durable

- structural steel reinforcement
- extremely stable, smooth side wall
- expansion joint directly on the channel wall

The benefits at a glance:

- optimised for the most demanding application areas
- easy handling, highly practical, reduced construction times
- solid channel body up to load class F 900 kN (Type I in accordance with EN 1433)
- high-quality concrete with structural reinforcement
- solid steel edge affords all-around protection
- bolted cast iron gratings with protection against longitudinal movement

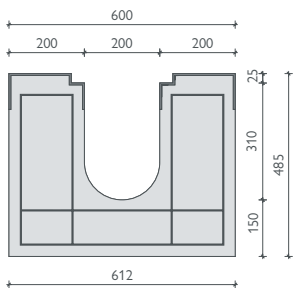
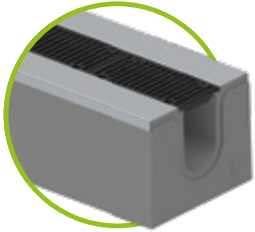
Areas of application:

• logistics area	• container ports
• storage area	• airport (airside)
• harbour	• heavy-duty areas

up to class F 900

BG-CLASSIC BG-SI

Safety channel



Galvanised special edge

BG-CLASSIC BG-SI, NW 200

Channel body with special steel edge up to load class F, with bolted ductile iron grating

Item no.	Channel body with safety joint	Slope	Weight	Pcs./Pallet	Euro/pc.
20350	BG-SI, galvanised angled edge, NW 200, no. 0, L = 2500 mm	0.0 %	560.0 kg/m		
20352	BG-SI, galvanised angled edge, NW 200, no. 0, L = 1000 mm	0.0 %	560.0 kg/m		
20390	Additional charge for bottom drain outlet 500/300				
20392	Additional charge for drain outlet with fitted pipe fair lead DN 200				
Item no.	Gratings incl. bolting material – M 12	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22191	Ductile iron slotted grating 500/256/25, SW 16/225	F 900	11.9 kg	72	
Item no.	Accessories	L / W / H	Weight	Pcs./Pallet	Euro/pc.
20726	Sump unit for BG-SI safety channel NW 200	1000/600/1000	1,300.0 kg		
20704	Front or end cap for BG-SI safety channel NW 200		2.1 kg		
20020	Additional charge for corner, for two channels with mitre (channels incl. gratings)				

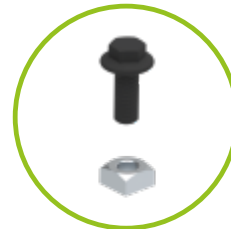


Please note that delivery times may be longer for these product groups!

Gratings: BG-CLASSIC BG-SI safety channels NW 200



Ductile iron slotted grating
SW 16/225 – class F



Bolting material M 12
for BG-SI safety channels

References



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BG-CLASSIC BG-SL

Slot channel

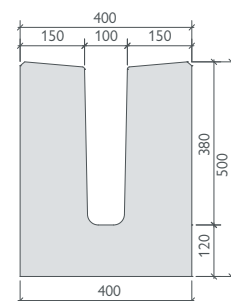
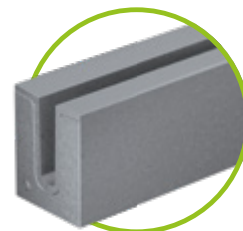
BG-CLASSIC BG-SL, U profile, NW 100

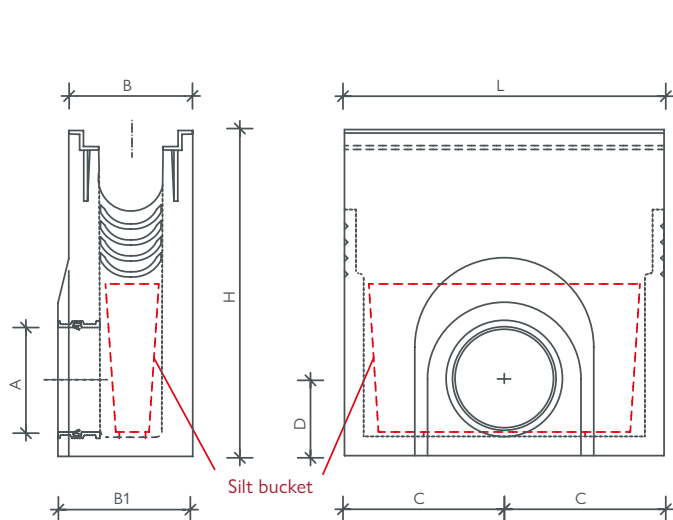
Drainage channel without grating

Item no.	Channel body	Slope	Weight	Pcs./Pallet	Euro/pc.
19000	BG-SL U profile, NW 100, L = 2500 mm	0.0 %	425.0 kg/m		
19001	Additional charge for bottom outlet, outlet opening 600 x 80 mm				
19003	Front cap for BG-SL slot channel U profile, NW 100, galvanised		1.0 kg		

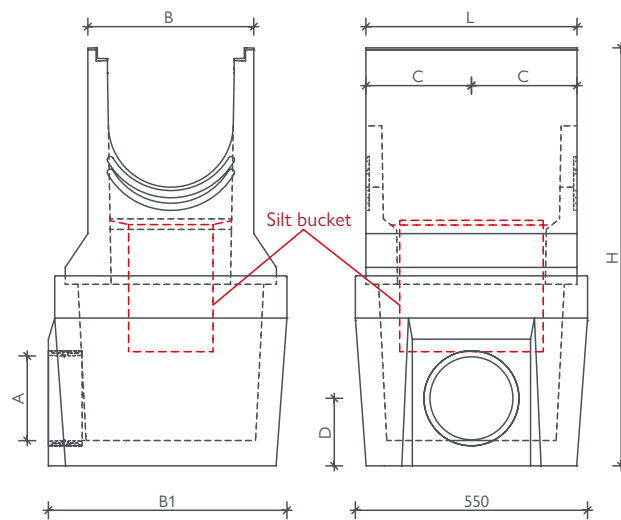


Please note that delivery times may be longer for these product groups!





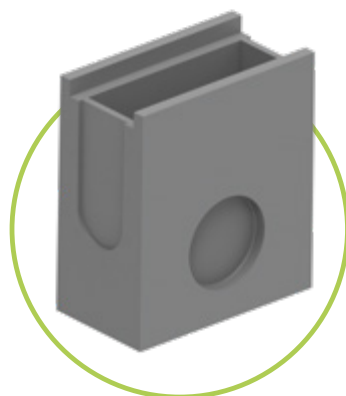
BGZ-S, one part,
also applies to BGU-Z requirements



BGZ-S NW 300/400 sump unit, two parts

Family	NW	Item no. / one part	L	B	B 1	H	C	D	Outlet A
BGU-Z universal channel SV	100	22195 ¹⁾ / 22206 ²⁾	500	160	201	510	250	120	pipe fair lead 150
	150	22196 ¹⁾ / 22207 ²⁾	500	210	261	690	250	120	pipe fair lead 150
	200	22197 ¹⁾ / 22208 ²⁾	500	260	326	740	250	150	pipe fair lead 200
BGZ-S heavy-duty channel SV	100	22200 ²⁾	500	194	211	510	250	120	pipe fair lead 150
	150	22201 ²⁾	500	244	261	690	250	130	pipe fair lead 150
	200	22204 ²⁾	500	294	326	740	250	150	pipe fair lead 200
BG-SI safety channel	200	20726 ¹⁾	1000	600	600	1000	500	310	pipe fair lead 200
Family	NW	Item no. / two parts	L	B	B 1	H	C	D	Outlet A
BGU-Z universal channel SV	300	23412 ¹⁾ / 23410 ²⁾	500	360	565	990	250	165	pipe fair lead 200
BGZ-S heavy-duty channel	300	22198 ²⁾	500	394	565	990	250	165	pipe fair lead 200
	400	22194 ²⁾	500	494	565	990	250	165	pipe fair lead 200

¹⁾ Sump unit with galvanised steel edge | ²⁾ Sump unit with cast iron edge



Outlet connector preformed:

The outlet connector is already preformed. This must be worked out on the construction site.



Pipe fairlead system:

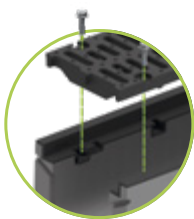
A pipe fairlead is already installed in the outlet connector. The sewer pipe connection can be made directly and quickly.

If either sump unit BGZ-S or BGU-Z is installed at the end of the channel run, it must be enclosed with an end cap.

References



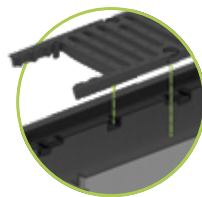
The gratings on the **left** are
beautiful & functional.
 On the **right**, it's **the other way round.**



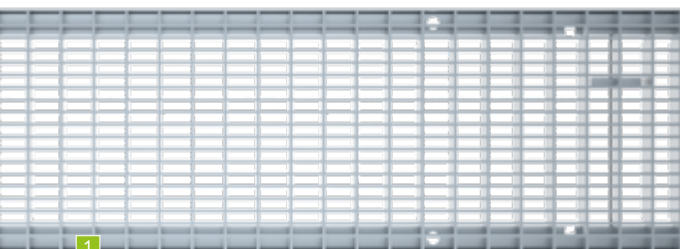
Locking bolts can be replaced at any time



Tension rods for integrated SV system



Additional protection against longitudinal movement



1

BG-CLASSIC BGZ-S/BGU-Z SV

Gratings	SW, MW, Ø in mm	
1 SV mesh grating	MW 30/10	
2 SV ductile iron slotted grating	SW 18/120	
	SW 18/170	
	SW 18/220	
	SW 18/150	
3 Ductile iron slotted grating	SW 18/120	
	SW 18/170	
	SW 18/220	
	SW 18/150	
	SW 18/200	
	SW 18/248	
4 SV ductile iron longitudinal bar gr.	MW 27/13	
	MW 25/14	
5 Ductile iron longitudinal bar gr.	MW 27/13	
	MW 25/14	
6 Ductile iron slotted grating	SW 16/120	
	SW 15/75	
	SW 16/220	
	SW 16/148	
	SW 15/125	
	SW 20/170	
7 Ductile iron cover	closed	

BG-CLASSIC BG-SI

Gratings	SW, MW, Ø in mm	
8 Ductile iron slotted grating	SW 16/225	

²⁾ Material:

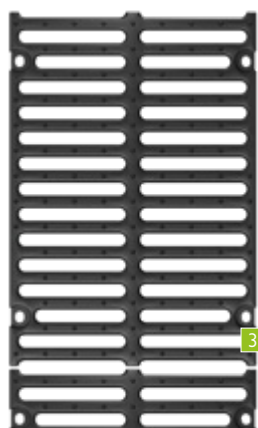
V: Galvanized | G: Ductile iron
 KTL: KTL coated ductile iron

¹⁾ Classes according to EN 1433:

A 15 kN | B 125 kN | C 250 kN
 D 400 kN | E 600 kN | F 900 kN



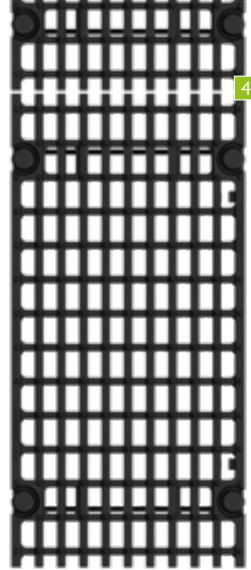
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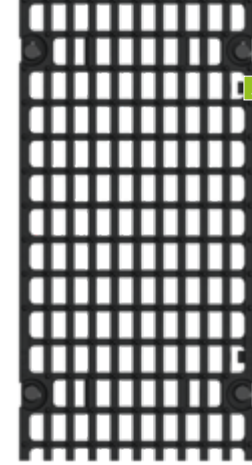
3



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4



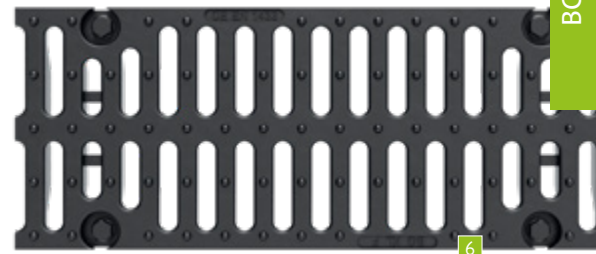
5

BG-FILCOTEN®

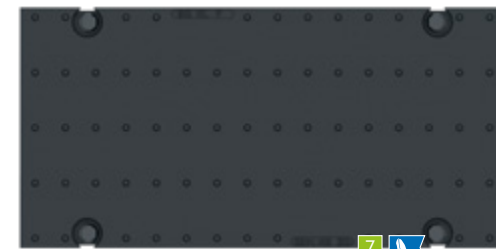
BG-CLASSIC

Heavy-duty channel/Universal channel

	NW 100	NW 150	NW 200	NW 300	NW 400	NW 500	Class ¹⁾	Material ²⁾	SV/VM: ³⁾
	✓	✓	✓	✓			C	V	SV, 2 x M 10
	✓	✓	✓				D	V	SV, 2 x M 10
	✓						D	G	SV, 2 x M 10
		✓					D	G	SV, 2 x M 10
			✓				D	G	SV, 2 x M 10
				✓			D	G	SV, 2 x M 10
	✓						D	G	4 x M 10
		✓					D	G	4 x M 10
			✓				D	G	4 x M 10
				✓			D	G	4 x M 10
					✓		D	G	4 x M 10
						✓	D/E	G	4 x M 10
	✓	✓	✓				E	G	SV
				✓			E	G	SV
	✓	✓	✓				E	G	4 x M 10
				✓	✓		E	G	4 x M 10
	✓						F	G	4 x M 10
		✓					F	G	4 x M 10
			✓				F	G	4 x M 10
				✓			F	G	4 x M 10
					✓		F	G	4 x M 10
						✓	F	G	4 x M 10
	✓		✓				F	G	4 x M 10



6



7

Safety channel

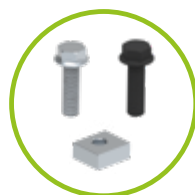
	NW 200	Class ¹⁾	Material ²⁾	SV/VM: ³⁾
	✓	F	G	4 x M 12

³⁾ SV/VM:

SV: Quick-locking system | VM: Bolting material
 2 x M 10: optional 2 point boltable
 4 x M 10: incl. 4 point bolting material
 4 x M 12: incl. 4 point bolting material BG-SI



Bolting material M 12
 for BG-SI safety channels



Bolting material M 10, for all mesh-
 or ductile iron gratings,
 only for BGZ-S channels



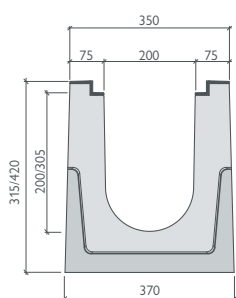
8



up to class F 900

BG-CLASSIC BIG I

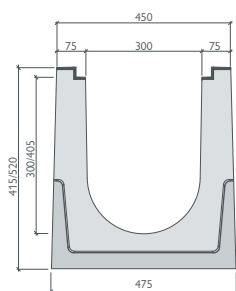
Heavy-duty channel



BG-CLASSIC BIG I, NW 200

Drainage channel with cast-in cast iron edge up to class F 900 Type I, with bolttable ductile iron gratings

Item no.	Channel body, load class D 400 – F 900	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
41520100	BIG I, H = 315, L = 1000	D 400	196.0 kg	6	
41520101	BIG I, H = 420, L = 1000	D 400	237.0 kg	6	
41520110	BIG I, H = 315, L = 1000	E 600	198.8 kg	6	
41520112	BIG I, H = 315, L = 3000	E 600	596.4 kg		
41520111	BIG I, H = 420, L = 1000	E 600	240.3 kg	6	
41520113	BIG I, H = 420, L = 3000	E 600	720.9 kg		
41520120	BIG I, H = 315, L = 1000	F 900	202.0 kg	6	
41520122	BIG I, H = 315, L = 3000	F 900	606.0 kg		
41520121	BIG I, H = 420, L = 1000	F 900	244.5 kg	6	
41520123	BIG I, H = 420, L = 3000	F 900	733.5 kg		
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22075	Ductile iron slotted grating 500/247/25, SW 18/220	D 400	7.9 kg	96	
22775	Ductile iron longitudinal bar grating 500/247/25, MW 27/13	E 600	9.4 kg	60	
22073	Ductile iron slotted grating 500/247/25, SW 16/220	F 900	13.8 kg	60	
22078	Ductile iron grating 500/247/25, closed cover ¹⁾	F 900	17.1 kg	60	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
30080	Additional charge for outlet opening DN 200				
31312	Forsheda-sealing for outlet opening DN 200	elastomer	0.6 kg		
22240	Front cap	galvanised	0.7 kg		
22241	End cap with outlet DN 200	galvanised	0.9 kg		



BG-CLASSIC BIG I, NW 300

Drainage channel with cast-in cast iron edge up to class F 900 Type I, with bolttable ductile iron gratings

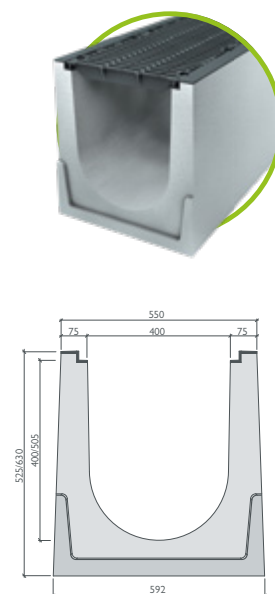
Item no.	Channel body, load class D 400 – F 900	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
41530100	BIG I, H = 415, L = 1000	D 400	278.0 kg	4	
41530101	BIG I, H = 520, L = 1000	D 400	321.0 kg	4	
41530110	BIG I, H = 415, L = 1000	E 600	281.5 kg	4	
41530112	BIG I, H = 415, L = 3000	E 600	844.5 kg		
41530111	BIG I, H = 520, L = 1000	E 600	325.2 kg	4	
41530113	BIG I, H = 520, L = 3000	E 600	975.6 kg		
41530120	BIG I, H = 415, L = 1000	F 900	286.6 kg	4	
41530122	BIG I, H = 415, L = 3000	F 900	859.8 kg		
41530121	BIG I, H = 520, L = 1000	F 900	330.5 kg	4	
41530123	BIG I, H = 520, L = 3000	F 900	991.5 kg		
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22085	Ductile iron slotted grating 500/346/25, SW 18/150	D 400	15.6 kg	30	
22785	Ductile iron longitudinal bar grating 500/347/25, MW 25/14	E 600	16.9 kg	30	
22083	Ductile iron slotted grating 500/347/25, SW 16/148 ¹⁾	F 900	26.1 kg	40	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
30080	Additional charge for outlet opening DN 200				
31312	Forsheda-sealing for outlet opening DN 200	elastomer	0.6 kg		
22250	Front cap, CH = 415	galvanised	1.3 kg		
22251	End cap with outlet DN 200, CH = 415	galvanised	1.2 kg		
49030202	Front cap, CH = 520	galvanised	1.7 kg		
49030203	End cap with outlet DN 200, CH = 520	galvanised	1.6 kg		



BG-CLASSIC BIG I, NW 400

Drainage channel with cast-in cast iron edge up to class F 900 Type I, with bolttable ductile iron gratings

Item no.	Channel body, load class D 400 – F 900	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
41540100	BIG I, H = 525, L = 1000	D 400	390.0 kg	2	
41540101	BIG I, H = 630, L = 1000	D 400	432.0 kg	2	
41540110	BIG I, H = 525, L = 1000	E 600	394.7 kg	2	
41540112	BIG I, H = 525, L = 3000	E 600	1184.0 kg		
41540111	BIG I, H = 630, L = 1000	E 600	437.0 kg	2	
41540113	BIG I, H = 630, L = 3000	E 600	1311.0 kg		
41540120	BIG I, H = 525, L = 1000	F 900	400.6 kg	2	
41540122	BIG I, H = 525, L = 3000	F 900	1201.8 kg		
41540121	BIG I, H = 630, L = 1000	F 900	443.5 kg	2	
41540123	BIG I, H = 630, L = 3000	F 900	1330.5 kg		
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22088	Ductile iron slotted grating 500/447/25, SW 18/200	D 400	20.6 kg	20	
22090	Ductile iron longitudinal bar grating 500/447/25, MVV 25/14 ¹⁾	E 600	27.1 kg	20	
22087	Ductile iron slotted grating 500/447/25, SW 15/125 ¹⁾	F 900	41.4 kg	20	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
30080	Additional charge for outlet opening, DN 200				
31312	Forsheda-sealing for outlet opening, DN 200	elastomer	0.6 kg		
22260	Front cap, CH = 525	galvanised	2.1 kg		
22261	End cap with outlet DN 200, CH = 525	galvanised	2.4 kg		
49040202	Front cap, CH = 630	galvanised	2.7 kg		
49040203	End cap with outlet DN 200, CH = 630	galvanised	3.0 kg		



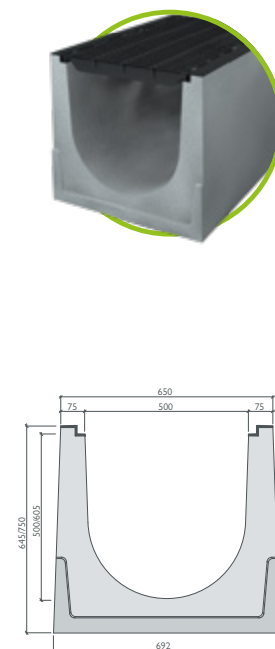
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BG-CLASSIC

BG-CLASSIC BIG I, NW 500

Drainage channel with cast-in cast iron edge up to class F 900 Type I, with bolttable ductile iron gratings

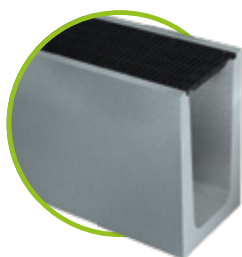
Item no.	Channel body, load class D 400 – F 900	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
41550100	BIG I, H = 645, L = 1000	D 400	537.0 kg	2	
41550101	BIG I, H = 750, L = 1000	D 400	580.0 kg	2	
41550110	BIG I, H = 645, L = 1000	E 600	542.4 kg	2	
41550112	BIG I, H = 645, L = 3000	E 600	1627.2 kg		
41550111	BIG I, H = 750, L = 1000	E 600	586.2 kg	2	
41550113	BIG I, H = 750, L = 3000	E 600	1758.6 kg		
41550120	BIG I, H = 645, L = 1000	F 900	549.7 kg	2	
41550122	BIG I, H = 645, L = 3000	F 900	1649.1 kg		
41550121	BIG I, H = 750, L = 1000	F 900	593.6 kg	2	
41550123	BIG I, H = 750, L = 3000	F 900	1780.8 kg		
Item no.	Gratings incl. 4 pcs. locking bolts	Cl. acc. EN 1433	Weight	Pcs./Pallet	Euro/pc.
22094	Ductile iron slotted grating 500/547/25, SW 18/248 ¹⁾	D 400	29.8 kg	20	
22091	Ductile iron slotted grating 500/547/25, SW 18/248 ¹⁾	E 600	31.3 kg	20	
22092	Ductile iron slotted grating 500/547/25, SW 20/170 ¹⁾	F 900	48.8 kg	20	
Item no.	Accessories	Material	Weight	Pcs./Pallet	Euro/pc.
30080	Additional charge for outlet opening, DN 200				
31312	Forsheda-sealing for outlet opening, DN 200	elastomer	0.6 kg		
22270	Front cap, CH = 645	galvanised	3.1 kg		
22271	End cap with outlet DN 200, CH = 645	galvanised	3.1 kg		
49050202	Front cap, CH = 750	galvanised	3.6 kg		
49050203	End cap with outlet DN 200, CH = 750	galvanised	3.6 kg		



up to class F 900

BG-CLASSIC BIG TANK

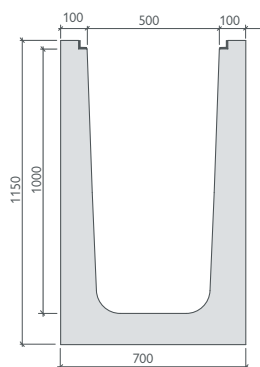
Heavy-duty channel



BG-CLASSIC BIG TANK, NW 500

Drainage channel with cast-in cast iron edge up to class F 900 Type I, with boltable ductile iron gratings

Item no.	Channel body incl. bolted ductile iron gratings	Cl. acc. EN 1433	Weight	Euro/pc.
41751130	SET, BIG TANK, NW 500, H = 1150, L = 4000, incl. bolted gratings	D 400	3,584.4 kg	
41751140	SET, BIG TANK, NW 500, H = 1150, L = 4000, incl. bolted gratings	E 600	3,674.0 kg	
41751150	SET, BIG TANK, NW 500, H = 1150, L = 4000, incl. bolted gratings	F 900	3,802.0 kg	
Item no.	Accessories	Material	Weight	Euro/pc.
30081	Additional charge for cutting the channel body NW 500			



Ductile iron edge



Ductile iron slotted grating

References



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moat channel

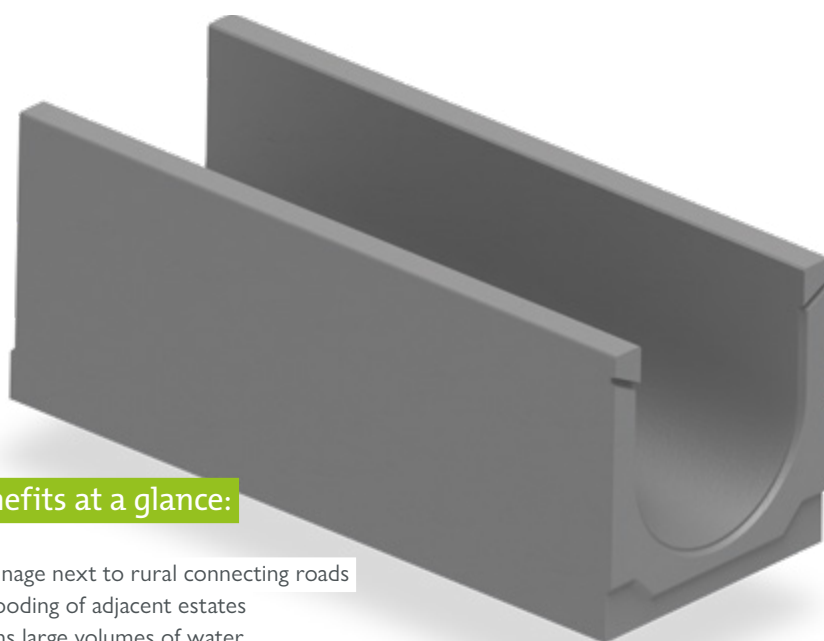
BG-CLASSIC moat channel NW 300, 400

Drainage channel without edges

Item no.	Channel body	Slope	Weight	Pcs./Pallet	Euro/pc.
34014	Moat channel NW 300, H = 395 mm, L = 1000 mm ¹⁾	0.0 %	162.0 kg	6	
34015	Moat channel NW 400, H = 495 mm, L = 1000 mm ¹⁾	0.0 %	218.0 kg	4	

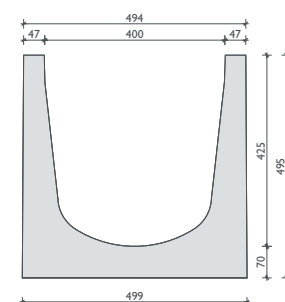
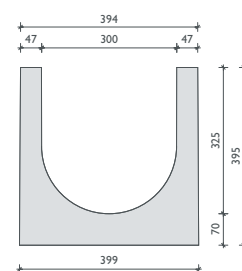
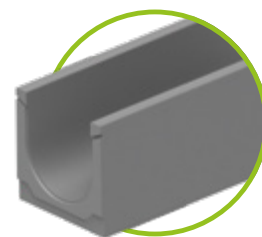


Mesh gratings on request



The benefits at a glance:

- easy drainage next to rural connecting roads
- averts flooding of adjacent estates and drains large volumes of water
- not intended for car accessibility – matching car-accessible grating available on request
- combines perfectly with the BG-CLASSIC BGZ-S heavy-duty channel, e.g. for access roads to estates



Areas of application:

- road ditch
- land/forest paths
- agriculture



¹⁾ Delivery time on request.

Highly versatile unique expertise.

Silent and effective.

Despite their wide range of applications, BG-CLASSIC SL slot channels perform extremely well in any situation. They are highly robust and they do not need a grating – as a result, they are maintenance-free and very quiet.

Strong in every situation.

Our highly versatile slot channels are an important feature in traffic engineering. They provide efficient, reliable drainage for the surfaces of:

Areas of application:

- | | |
|-------------------|---------------------|
| • arterial roads | • logistics area |
| • motorway | • airport (airside) |
| • tunnels | • industrial areas |
| • container ports | • harbour |

High load capacity

Due to the high concrete strength ($\geq C 45/55$) incl. structural steel reinforcement.

Class D 400 – F 900

Tightly sealed channel joint

Ensured by the supplied gaskets. These must be installed on site. Tongue-and-groove system for each channel element.

The benefits at a glance:

- different channel profiles for a wide range of applications
- high load capacity up to class D 400, E 600 or F 900 kN
- very variable: option of 0.5% inner slope, with or without border, expansion joint directly on the channel body
- element length 4,000 mm — special lengths on request
- produced and certified in line with EN 1433



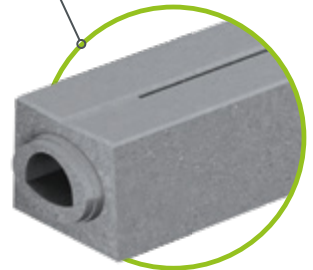
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Unique slot geometry

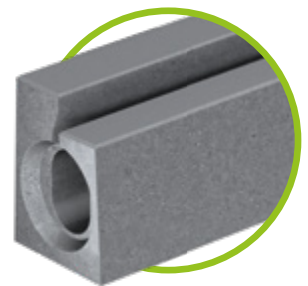
- suitable for all applications
- interrupted, continuous or covered slot
- also available with a border for installation when there are rising edges

Optimum drainage performance

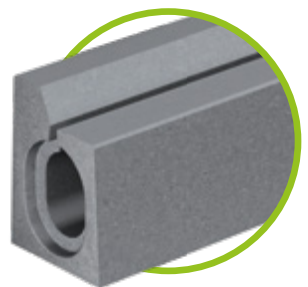
Optimum water collection thanks to 3 % surface slope towards the slot.



BG-CLASSIC SL slot channel with interrupted slot and smaller passages



BG-CLASSIC SL slot channel with covered slot and kerbstone



BG-CLASSIC SL slot channel with continuous slot and kerbstone



Product range and price available on request

Ideal flow characteristics

For surfaces without sufficient slope, BG-CLASSIC SL slot channels can be supplied with a pre-installed inner slope of 0,5 %.



www.say.bg/en/schlitzrinnen_pdf

Send us your project!

Our technical support will be happy to advise you and provide you with an overall quote for your project.
Robert Eder
Tel: +43 6233/8900-0
sales.int@bg-graspointner.com



Extremely **stable** without **fail.**



References





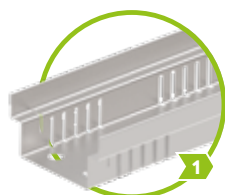
Perfect for everyday
challenges & any
other challenges too.

BG-FLEX

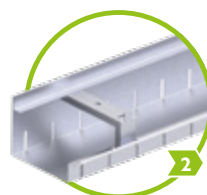
Our steel channel systems are as varied as your requirements. Known for our intelligent and innovative designs, continuous improvement, high-quality materials and reliable production processes, the strengths of BG shine through in our products. Even if your project is absolutely unique, we will still find the optimum solution with our individually customised products.



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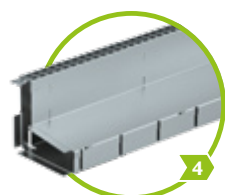
BG-FLEX FA
facade channels
walkable
pages 132 – 145



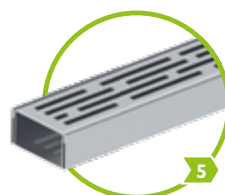
BG-FLEX glass
facade channels
walkable
pages 146 – 147



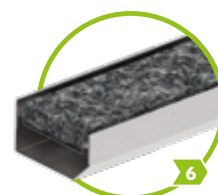
BG-FLEX base
plinth channels
walkable
pages 148 – 149



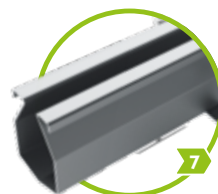
BG-FLEX TE
terrace slot channels
walkable
pages 150 – 153



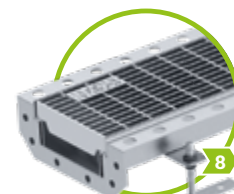
BG-FLEX TM
terrace channels
walkable
pages 154 – 155



BG-FLEX stone
terrace channels
walkable
pages 156 – 157



BG-FLEX omega
up to class C 250
pages 160 – 163



BG-FLEX sigma tec
up to class C 250
pages 164 – 167



Technical data: www.say.bg/en/bg-flex

BG-FLEX channel systems sorted by application areas:

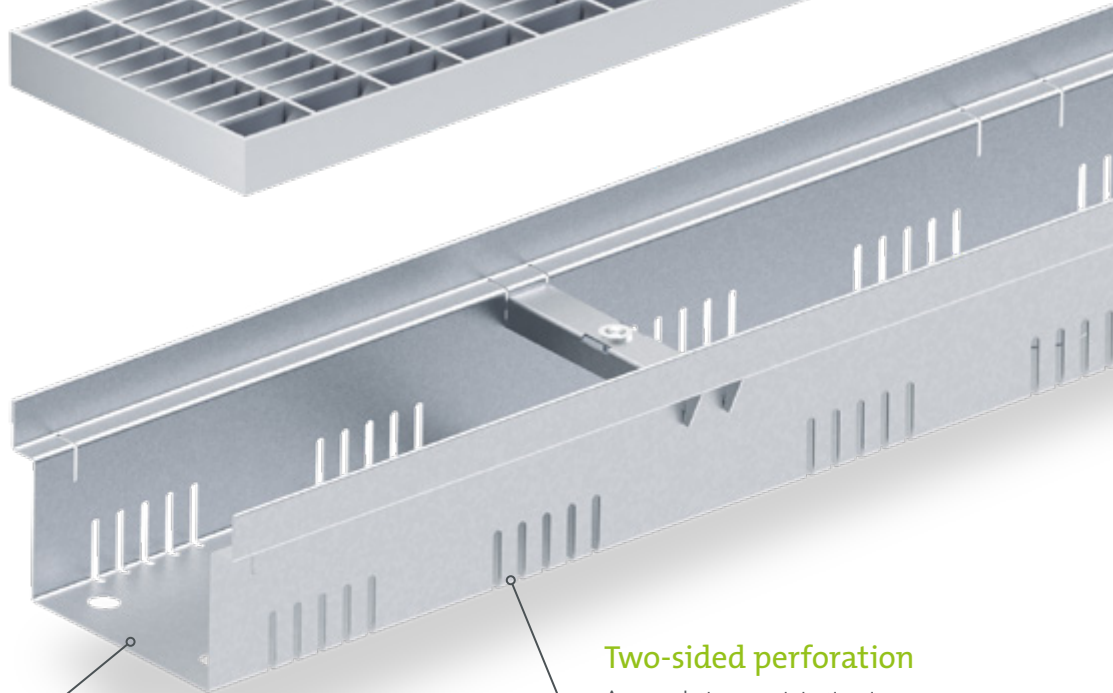
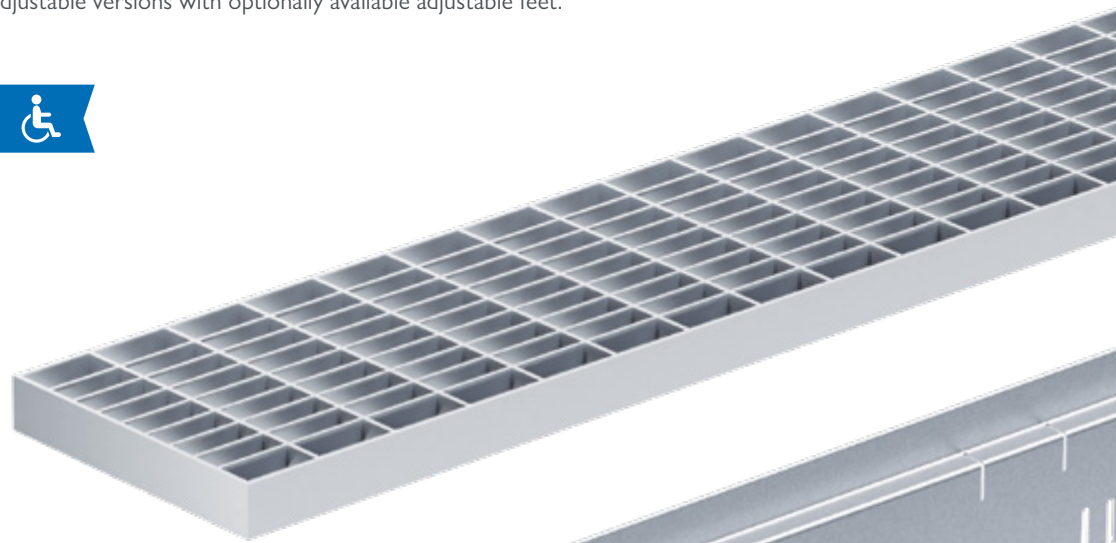
facade	1 2 3 4 5 6 7 8	slot drainage	1 2 3 4 5 6 7 8
flat roof	1 2 3 4 5 6 7 8	terrace	1 2 3 4 5 6 7 8
landscape construction	1 2 3 4 5 6 7 8	underground car park	1 2 3 4 5 6 7 8
wooden house	1 2 3 4 5 6 7 8	wine yard	1 2 3 4 5 6 7 8
parking decks & garages	1 2 3 4 5 6 7 8	garage	1 2 3 4 5 6 7 8

Maximum flexibility meets optimal performance.

Made of steel or stainless steel, our facade channels stand out for their exceptional flexibility. By perfectly adapting to the situation in hand, they ensure the building is completely protected at all times.

Extremely versatile application.

BG-FA facade channels can be supplied in a wide array of fixed construction heights or as height-adjustable versions with optionally available adjustable feet.

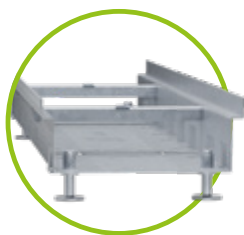


Various construction heights

Elements are available in different heights conforming to different standards and installation requirements for each channel width.

Two-sided perforation

Accumulating precipitation is discharged on the sealing level through the perforation.

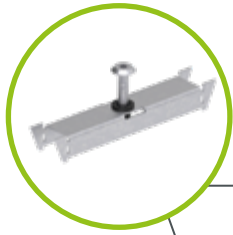


Greater flexibility

As an optional extra, our BG-FLEX FA products can be fitted with adjustable feet to offer flexible height adjustment. Ideal for compensating for level differences or use on pre-installed flagging



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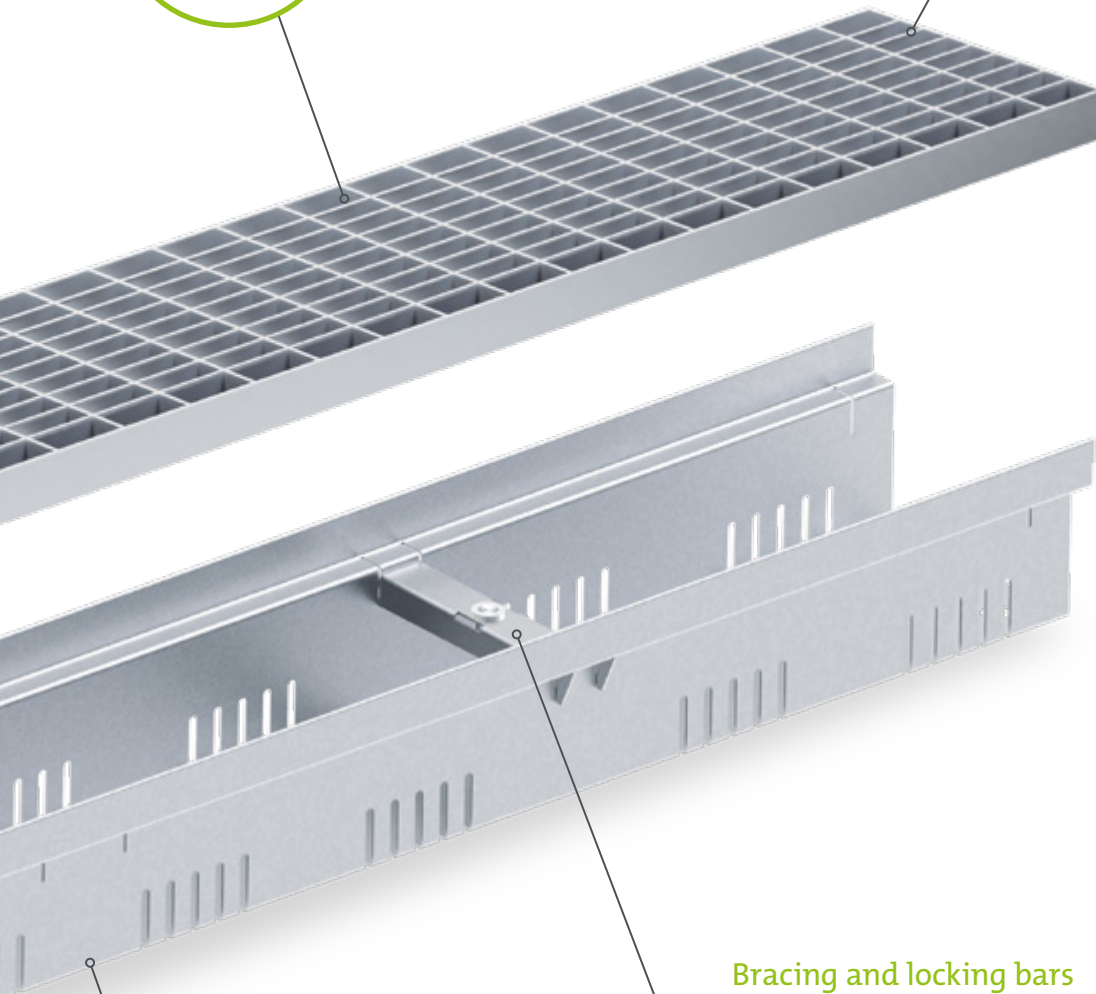


Bolting-material

The covers can also be fastened in the channel using bolting kits.

Cover options

Mesh or slotted gratings, perforated or design gratings as well as longitudinal bar gratings can be selected as covers.



Material

The channels are made of galvanised steel or 1.4301 stainless steel.

Bracing and locking bars

The bracing bars ensure that channels with greater construction heights maintain their sturdy shape during installation. This prevents the channel walls from being compressed or pried apart. Optionally available sets of bolts can be used to bolt all mesh or slotted grating or longitudinal bar grating onto the bars.

The benefits at a glance:

- highly stable yet lightweight steel channel body
- channel elements with overall widths of 100, 130, 150, 200 and 250 mm
- element lengths of 1000 or 2000 mm
- construction heights of 30 to 180 mm ensure delivery of the ideal drainage and retention performance at all times
- very variable due to optional height adjustment options using adjustable feet and a wide range of accessories
- ideal for flat roofs, terraces, balconies, and much more
- walkable/wheelchair compliant

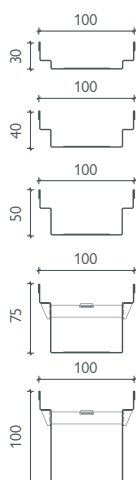
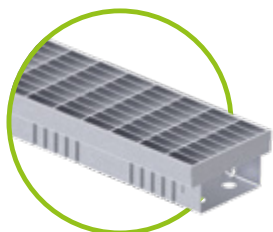
Areas of application:

- facade
- garden and landscape construction
- flat roof
- terrace



BG-FLEX_{FA}

Facade channel



Fixed construction height



Other construction heights on request

BG-FLEX FA facade channel, width 100 – GALVANISED

perforated on both sides (except accessory elements) or closed, galvanised steel (V)

Item no.	Channel body perforated – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23010201	FA facade channel V, width 100	1000	30	1.3 kg	
23010202	FA facade channel V, width 100	2000	30	2.6 kg	
23010203	FA facade channel V, width 100	1000	40	1.5 kg	
23010204	FA facade channel V, width 100	2000	40	2.9 kg	
23010205	FA facade channel V, width 100	L	50	1.6 kg	
23010206	FA facade channel V, width 100	L	50	3.2 kg	
23010207	FA facade channel V, width 100	L	75	2.1 kg	
23010208	FA facade channel V, width 100	L	75	4.1 kg	
23010209	FA facade channel V, width 100	L	100	2.5 kg	
23010210	FA facade channel V, width 100	L	100	4.9 kg	
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23010221	FA facade channel V, width 100	1000	30	1.4 kg	
23010222	FA facade channel V, width 100	2000	30	2.8 kg	
23010223	FA facade channel V, width 100	1000	40	1.6 kg	
23010224	FA facade channel V, width 100	2000	40	3.1 kg	
23010225	FA facade channel V, width 100	1000	50	1.7 kg	
23010226	FA facade channel V, width 100	2000	50	3.4 kg	
23010227	FA facade channel V, width 100	1000	75	2.2 kg	
23010228	FA facade channel V, width 100	2000	75	4.3 kg	
23010229	FA facade channel V, width 100	1000	100	2.6 kg	
23010230	FA facade channel V, width 100	2000	100	5.1 kg	
Item no.	Closed outlet unit incl. outlet pipe DN 50	Material	Height mm	Weight	Euro/pc.
23010251	FA outlet unit V, width 100, L = 1000	galvanised	30	1.4 kg	
23010252	FA outlet unit V, width 100, L = 1000	galvanised	40	1.5 kg	
23010253	FA outlet unit V, width 100, L = 1000	L galvanised	50	1.7 kg	
23010254	FA outlet unit V, width 100, L = 1000	L galvanised	75	2.1 kg	
23010255	FA outlet unit V, width 100, L = 1000	L galvanised	100	2.5 kg	
Item no.	Gratings – width 100 mm / height 20 mm	Material	Pcs./Pallet	Weight	Euro/pc.
23510201	FA mesh grating, 1000/100/20/2, MW 30/10	L galvanised	238	2.1 kg	
23510202	FA mesh grating, 500/100/20/2, MW 30/10	L galvanised	56	1.1 kg	
23510203	FA longitudinal bar grating, 1000/100/20/2, bar distance 10	galvanised	238	3.3 kg	
23510204	FA longitudinal bar grating, 500/100/20/2, bar distance 10	galvanised	56	1.7 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
23910221	FA front cap V, width 100	galvanised	30, 40	0.1 kg	
23910222	FA front cap V, width 100	L galvanised	50, 75, 100	0.1 kg	
23910231	FA connection sleeve for channels with H 50, 75, 100	L galvanised	28	0.1 kg	
24900005	FA pipe socket DN 50 for outlet unit	L plastic		0.1 kg	
24909012	FA flat head screw for fastening mesh, slotted and longitudinal bar gratings (required per m: 2 pcs.)	L galvanised		0.1 kg	
24900022	FA bolting-material set for mesh and longitudinal bar gratings: locking bar incl. press nut and pan head screw for H 40/50 (required per m: 2 pcs.) ¹⁾	L galvanised		0.1 kg	



For channels with an overall construction length of 2000 mm, longer pallets (2080x780x150 mm) are used to ensure safe transportation. These pallets are charged at € 28.00 per item.



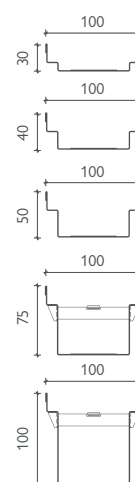
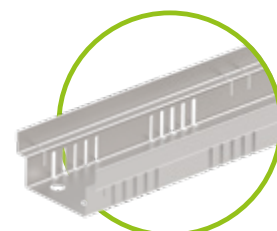
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¹⁾ H 30 not boltable
L = stock items

BG-FLEX FA facade channels, width 100 – STAINLESS STEEL

perforated on both sides (except accessory elements) or closed, stainless steel (E)

Item no.	Channel body perforated – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23010301	FA facade channel E, width 100	1000	30	1.4 kg	
23010302	FA facade channel E, width 100	2000	30	2.7 kg	
23010303	FA facade channel E, width 100	1000	40	1.6 kg	
23010304	FA facade channel E, width 100	2000	40	3.0 kg	
23010305	FA facade channel E, width 100	1000	50	1.7 kg	
23010306	FA facade channel E, width 100	2000	50	3.3 kg	
23010307	FA facade channel E, width 100	1000	75	2.2 kg	
23010308	FA facade channel E, width 100	2000	75	4.2 kg	
23010309	FA facade channel E, width 100	1000	100	2.6 kg	
23010310	FA facade channel E, width 100	2000	100	5.0 kg	
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23010321	FA facade channel E, width 100	1000	30	1.5 kg	
23010322	FA facade channel E, width 100	2000	30	2.9 kg	
23010323	FA facade channel E, width 100	1000	40	1.7 kg	
23010324	FA facade channel E, width 100	2000	40	3.2 kg	
23010325	FA facade channel E, width 100	1000	50	1.8 kg	
23010326	FA facade channel E, width 100	2000	50	3.5 kg	
23010327	FA facade channel E, width 100	1000	75	2.3 kg	
23010328	FA facade channel E, width 100	2000	75	4.4 kg	
23010329	FA facade channel E, width 100	1000	100	2.7 kg	
23010330	FA facade channel E, width 100	2000	100	5.2 kg	
Item no.	Closed outlet unit incl. outlet pipe DN 50	Material	Height mm	Weight	Euro/pc.
23010351	FA outlet unit E, width 100, L = 1000	stainless steel	30	1.4 kg	
23010352	FA outlet unit E, width 100, L = 1000	stainless steel	40	1.5 kg	
23010353	FA outlet unit E, width 100, L = 1000	stainless steel	50	1.7 kg	
23010354	FA outlet unit E, width 100, L = 1000	stainless steel	75	2.1 kg	
23010355	FA outlet unit E, width 100, L = 1000	stainless steel	100	2.5 kg	
Item no.	Gratings – width 100 mm / height 20 mm	Material	Pcs./Pallet	Weight	Euro/pc.
23510301	FA mesh grating, 1000/100/20/2, MW 30/10	L stainless steel	238	2.1 kg	
23510302	FA mesh grating, 500/100/20/2, MW 30/10	L stainless steel	56	1.1 kg	
23510303	FA longitudinal bar grating, 1000/100/20/2, bar distance 10	stainless steel	238	3.3 kg	
23510304	FA longitudinal bar grating, 500/100/20/2, bar distance 10	stainless steel	56	1.7 kg	
23510305	FA design-longitudinal bar grating, 1000/100/20/2, bar distance 6	stainless steel	224	2.6 kg	
23510306	FA design-longitudinal bar grating, 500/100/20/2, bar distance 6	stainless steel	48	1.3 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
23910321	FA front cap E, width 100	L stainless steel	30, 40	0.1 kg	
23910322	FA front cap E, width 100	L stainless steel	50, 75, 100	0.1 kg	
23910331	FA connection sleeve for channels with H 50, 75, 100	L stainless steel	28	0.1 kg	
24900005	FA pipe socket DN 50 for outlet unit	L plastic		0.1 kg	
24909013	FA flat head screw for fastening mesh, slotted and longitudinal bar gratings (required per m: 2 pcs.)	L stainless steel		0.1 kg	
24900023	FA bolting-material set for mesh and longitudinal bar gratings: locking bar incl. press nut and pan head screw for H 40/50 (required per m: 2 pcs.) ¹⁾	L stainless steel		0.1 kg	



Fixed construction height



Other construction heights on request

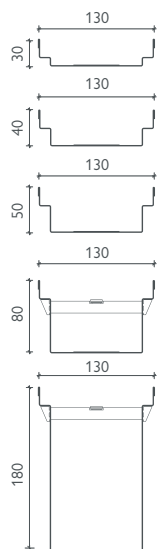
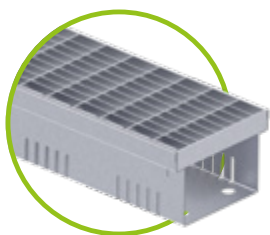


All FA facade channels incl. gratings are walkable and wheelchair-accessible! 



BG-FLEX^{FA}

Facade channel



Fixed construction height



Other construction heights on request

BG-FLEX FA facade channel, width 130 – GALVANISED

perforated on both sides (except accessory elements) or closed, galvanised steel (V)

Item no.	Channel body perforated – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23013201	FA facade channel V, width 130	L	1000	30	1.7 kg
23013202	FA facade channel V, width 130	L	2000	30	3.3 kg
23013203	FA facade channel V, width 130	L	1000	40	1.8 kg
23013204	FA facade channel V, width 130	L	2000	40	3.6 kg
23013205	FA facade channel V, width 130	L	1000	50	2.0 kg
23013206	FA facade channel V, width 130	L	2000	50	4.0 kg
23013207	FA facade channel V, width 130	L	1000	80	2.4 kg
23013208	FA facade channel V, width 130	L	2000	80	4.8 kg
23013211	FA facade channel V, width 130		1000	180	3.5 kg
23013212	FA facade channel V, width 130		2000	180	7.0 kg
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23013221	FA facade channel V, width 130		1000	30	1.7 kg
23013222	FA facade channel V, width 130		2000	30	3.3 kg
23013223	FA facade channel V, width 130		1000	40	1.8 kg
23013224	FA facade channel V, width 130		2000	40	3.6 kg
23013225	FA facade channel V, width 130	L	1000	50	2.0 kg
23013226	FA facade channel V, width 130	L	2000	50	4.0 kg
23013227	FA facade channel V, width 130	L	1000	80	2.4 kg
23013228	FA facade channel V, width 130	L	2000	80	4.8 kg
23013231	FA facade channel V, width 130		1000	180	3.5 kg
23013232	FA facade channel V, width 130		2000	180	7.0 kg
Item no.	Closed outlet unit incl. outlet pipe DN 75	Material	Height mm	Weight	Euro/pc.
23013251	FA outlet unit V, width 130, L = 1000	L galvanised	30	1.5 kg	
23013252	FA outlet unit V, width 130, L = 1000	L galvanised	40	1.7 kg	
23013253	FA outlet unit V, width 130, L = 1000	L galvanised	50	1.9 kg	
23013254	FA outlet unit V, width 130, L = 1000	L galvanised	80	2.4 kg	
23013255	FA outlet unit V, width 130, L = 1000	L galvanised	180	4.0 kg	
Item no.	Gratings – width 122 mm / height 20 mm	Material	Pcs./Pallet	Weight	Euro/pc.
23513203	FA mesh grating, 1000/122/20, MW 30/10, T-profile	L galvanised	120	3.4 kg	
24513201	FA mesh grating, 1000/122/20, MW 30/10	L galvanised	120	2.5 kg	
24513202	FA mesh grating, 500/122/20, MW 30/10	L galvanised	48	1.3 kg	
24513203	FA slotted grating, 1000/122/20, SVV 9/80	L galvanised	120	2.0 kg	
24513204	FA slotted grating, 500/122/20, SVV 9/80	L galvanised	48	1.0 kg	
24513205	FA perforated grating, 1000/122/20, Ø 6	L galvanised	120	1.6 kg	
24513206	FA perforated grating, 500/122/20, Ø 6	L galvanised	48	0.8 kg	
24513207	FA longitudinal bar grating, 1000/122/20, bar distance 10	L galvanised	120	3.9 kg	
24513208	FA longitudinal bar grating, 500/122/20, bar distance 10	L galvanised	48	2.0 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
23913221	FA front cap V, width 130	L galvanised	30, 40	0.1 kg	
23913222	FA front cap V, width 130	L galvanised	50	0.1 kg	
23913223	FA front cap V, width 130	L galvanised	80	0.1 kg	
23913224	FA front cap V, width 130	L galvanised	180	0.1 kg	
23913231	FA connection sleeve for channels with H 50, 80, 180	L galvanised	28	0.1 kg	
24900007	FA pipe socket DN 75 for outlet unit	L plastic		0.1 kg	
24909012	FA flat head screw for fastening mesh, slotted and longitudinal bar gratings (required per m: 2 pcs.)	L galvanised		0.1 kg	
24900018	FA bolting-material set for mesh and longitudinal bar gratings: locking bar incl. press nut and pan head screw for H 40/50 (required per m: 2 pcs.) ¹⁾	L galvanised		0.1 kg	



All FA facade channels incl. gratings are walkable and wheelchair-accessible!



For channels with an overall construction length of 2000 mm, longer pallets (2080x780x150 mm) are used to ensure safe transportation. These pallets are charged at € 28.00 per item.



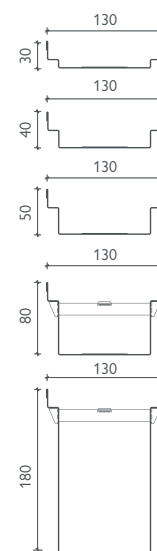
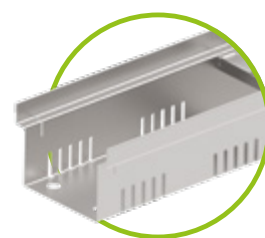
GRASPOINTNER
Sustainable innovation.

¹⁾ H 30 not boltable
L = stock items

BG-FLEX FA facade channel, width 130 – STAINLESS STEEL

perforated on both sides (except accessory elements) or closed, stainless steel (E)

Item no.	Channel body perforated – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23013301	FA facade channel E, width 130	1000	30	1.6 kg	
23013302	FA facade channel E, width 130	2000	30	3.3 kg	
23013303	FA facade channel E, width 130	1000	40	1.8 kg	
23013304	FA facade channel E, width 130	2000	40	3.6 kg	
23013305	FA facade channel E, width 130	L	50	2.0 kg	
23013306	FA facade channel E, width 130	L	50	4.0 kg	
23013307	FA facade channel E, width 130	L	80	2.4 kg	
23013308	FA facade channel E, width 130	L	80	4.8 kg	
23013311	FA facade channel E, width 130	1000	180	3.5 kg	
23013312	FA facade channel E, width 130	2000	180	7.0 kg	
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23013321	FA facade channel E, width 130	1000	30	1.6 kg	
23013322	FA facade channel E, width 130	2000	30	3.3 kg	
23013323	FA facade channel E, width 130	1000	40	1.8 kg	
23013324	FA facade channel E, width 130	2000	40	3.6 kg	
23013325	FA facade channel E, width 130	1000	50	2.0 kg	
23013326	FA facade channel E, width 130	2000	50	4.0 kg	
23013327	FA facade channel E, width 130	1000	80	2.4 kg	
23013328	FA facade channel E, width 130	2000	80	4.8 kg	
23013331	FA facade channel E, width 130	1000	180	3.5 kg	
23013332	FA facade channel E, width 130	2000	180	7.0 kg	
Item no.	Closed outlet unit incl. outlet pipe DN 75	Material	Height mm	Weight	Euro/pc.
23013351	FA outlet unit E, width 130, L = 1000	stainless steel	30	1.5 kg	
23013352	FA outlet unit E, width 130, L = 1000	stainless steel	40	1.7 kg	
23013353	FA outlet unit E, width 130, L = 1000	stainless steel	50	1.9 kg	
23013354	FA outlet unit E, width 130, L = 1000	stainless steel	80	2.4 kg	
23013355	FA outlet unit E, width 130, L = 1000	stainless steel	180	4.0 kg	
Item no.	Gratings – width 122 mm / height 20 mm	Material	Pcs./Pallet	Weight	Euro/pc.
24513301	FA mesh grating, 1000/122/20, MVV 30/10	L stainless steel	120	3.1 kg	
24513302	FA mesh grating, 500/122/20, MVV 30/10	L stainless steel	48	1.5 kg	
24513303	FA slotted grating, 1000/122/20, SW 9/80	stainless steel	120	2.0 kg	
24513304	FA slotted grating, 500/122/20, SW 9/80	stainless steel	48	1.0 kg	
24513305	FA perforated grating, 1000/122/20, Ø 6	L stainless steel	120	1.6 kg	
24513306	FA perforated grating, 500/122/20, Ø 6	L stainless steel	48	0.8 kg	
24513307	FA longitudinal bar grating, 1000/122/20, bar distance 10	L stainless steel	120	4.2 kg	
24513308	FA longitudinal bar grating, 500/122/20, bar distance 10	L stainless steel	48	2.1 kg	
24513313	FA design-longitudinal bar grating, 1000/122/20/2, bar distance 6	L stainless steel	120	3.2 kg	
24513314	FA design-longitudinal bar grating, 500/122/20/2, bar distance 6	L stainless steel	40	1.6 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
23913321	FA front cap E, width 130	L stainless steel	30, 40	0.1 kg	
23913322	FA front cap E, width 130	L stainless steel	50, 80	0.1 kg	
23913323	FA front cap E, width 130	L stainless steel	180	0.1 kg	
23913331	FA connection sleeve for channels with H 50, 80, 180	stainless steel	28	0.1 kg	
24900007	FA pipe socket DN 75 for outlet unit	L plastic		0.1 kg	
24909013	FA flat head screw for fastening mesh, slotted and longitudinal bar gratings (required per m: 2 pcs.)	L stainless steel		0.1 kg	
24900019	FA bolting-material set for mesh and longitudinal bar gratings: locking bar incl. press nut and pan head screw for H 40/50 (required per m: 2 pcs.) ¹⁾	L stainless steel		0.1 kg	



Fixed construction height



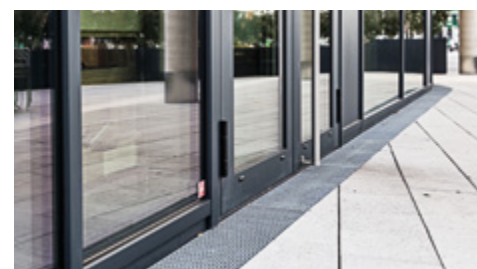
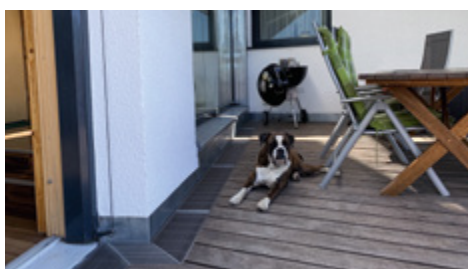
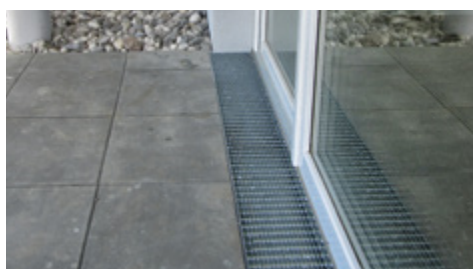
Other construction heights on request

BG-FILCOTEN®

BG-CLASSIC

BG-FLEX

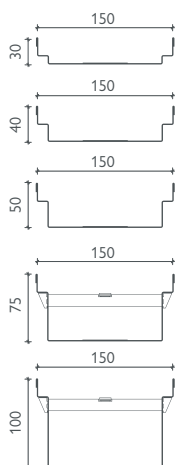
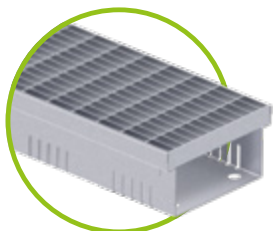
References





BG-FLEX^{FA}

Facade channel



Fixed construction height

i Other construction heights on request

BG-FLEX FA facade channel, width 150 – GALVANISED

perforated on both sides (except accessory elements) or closed, galvanised steel (V)

Item no.	Channel body perforated – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23015201	FA facade channel V, width 150	1000	30	1.7 kg	
23015202	FA facade channel V, width 150	2000	30	3.4 kg	
23015203	FA facade channel V, width 150	1000	40	1.9 kg	
23015204	FA facade channel V, width 150	2000	40	3.7 kg	
23015205	FA facade channel V, width 150 L	1000	50	2.0 kg	
23015206	FA facade channel V, width 150 L	2000	50	4.0 kg	
23015207	FA facade channel V, width 150 L	1000	75	2.5 kg	
23015208	FA facade channel V, width 150 L	2000	75	5.0 kg	
23015209	FA facade channel V, width 150 L	1000	100	2.9 kg	
23015210	FA facade channel V, width 150 L	2000	100	5.8 kg	
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23015221	FA facade channel V, width 150	1000	30	1.8 kg	
23015222	FA facade channel V, width 150	2000	30	3.6 kg	
23015223	FA facade channel V, width 150	1000	40	2.0 kg	
23015224	FA facade channel V, width 150	2000	40	3.9 kg	
23015225	FA facade channel V, width 150 L	1000	50	2.1 kg	
23015226	FA facade channel V, width 150 L	2000	50	4.2 kg	
23015227	FA facade channel V, width 150 L	1000	75	2.6 kg	
23015228	FA facade channel V, width 150 L	2000	75	5.2 kg	
23015229	FA facade channel V, width 150 L	1000	100	3.0 kg	
23015230	FA facade channel V, width 150 L	2000	100	5.9 kg	
Item no.	Closed outlet unit incl. outlet pipe DN 100	Material	Height mm	Weight	Euro/pc.
23015251	FA outlet unit V, width 150, L = 1000	galvanised	30	1.8 kg	
23015252	FA outlet unit V, width 150, L = 1000	galvanised	40	1.9 kg	
23015253	FA outlet unit V, width 150, L = 1000 L	galvanised	50	2.0 kg	
23015254	FA outlet unit V, width 150, L = 1000 L	galvanised	75	2.5 kg	
23015255	FA outlet unit V, width 150, L = 1000 L	galvanised	100	2.9 kg	
Item no.	Gratings – width 150 mm / height 20 mm	Material	Pcs./Pallet	Weight	Euro/pc.
23515201	FA mesh grating, 1000/150/20/2, MW 30/10 L	galvanised	170	3.0 kg	
23515202	FA mesh grating, 500/150/20/2, MW 30/10 L	galvanised	54	1.5 kg	
23515203	FA longitudinal bar grating, 1000/150/20/2, bar distance 10	galvanised	170	4.6 kg	
23515204	FA longitudinal bar grating, 500/150/20/2, bar distance 10	galvanised	54	2.3 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
23915221	FA front cap V, width 150 L	galvanised	30, 40	0.1 kg	
23915222	FA front cap V, width 150 L	galvanised	50, 75, 100	0.1 kg	
23915231	FA connection sleeve for channels with H 50, 75, 100 L	galvanised	28	0.1 kg	
24900009	FA pipe socket DN 100 for outlet unit L	plastic		0.1 kg	
24909012	FA flat head screw for fastening mesh, slotted and longitudinal bar gratings (required per m: 2 pcs.) L	galvanised		0.1 kg	
24900024	FA bolting-material set for mesh and longitudinal bar gratings: locking bar incl. press nut and pan head screw for H 40/50 (required per m: 2 pcs.) ¹⁾ L	galvanised		0.1 kg	



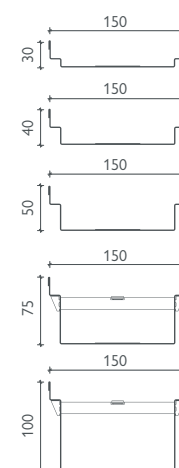
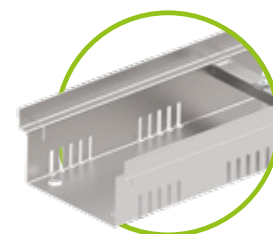
For channels with an overall construction length of 2000 mm, longer pallets (2080x780x150 mm) are used to ensure safe transportation. These pallets are charged at € 28.00 per item.



BG-FLEX FA facade channel, width 150 – STAINLESS STEEL

perforated on both sides (except accessory elements) or closed, stainless steel (E)

Item no.	Channel body perforated – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23015301	FA facade channel E, width 150	1000	30	1.8 kg	
23015302	FA facade channel E, width 150	2000	30	3.5 kg	
23015303	FA facade channel E, width 150	1000	40	1.9 kg	
23015304	FA facade channel E, width 150	2000	40	3.8 kg	
23015305	FA facade channel E, width 150	L	50	2.1 kg	
23015306	FA facade channel E, width 150	L	50	4.1 kg	
23015307	FA facade channel E, width 150	1000	75	2.6 kg	
23015308	FA facade channel E, width 150	2000	75	5.1 kg	
23015309	FA facade channel E, width 150	1000	100	3.0 kg	
23015310	FA facade channel E, width 150	2000	100	5.9 kg	
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23015321	FA facade channel E, width 150	1000	30	1.8 kg	
23015322	FA facade channel E, width 150	2000	30	3.6 kg	
23015323	FA facade channel E, width 150	1000	40	2.0 kg	
23015324	FA facade channel E, width 150	2000	40	3.9 kg	
23015325	FA facade channel E, width 150	L	50	2.2 kg	
23015326	FA facade channel E, width 150	L	50	4.3 kg	
23015327	FA facade channel E, width 150	1000	75	2.7 kg	
23015328	FA facade channel E, width 150	2000	75	5.3 kg	
23015329	FA facade channel E, width 150	1000	100	3.1 kg	
23015330	FA facade channel E, width 150	2000	100	6.1 kg	
Item no.	Closed outlet unit incl. outlet pipe DN 100	Material	Height mm	Weight	Euro/pc.
23015351	FA outlet unit E, width 150, L = 1000	stainless steel	30	1.8 kg	
23015352	FA outlet unit E, width 150, L = 1000	stainless steel	40	2.0 kg	
23015353	FA outlet unit E, width 150, L = 1000	stainless steel	50	2.1 kg	
23015354	FA outlet unit E, width 150, L = 1000	stainless steel	75	2.6 kg	
23015355	FA outlet unit E, width 150, L = 1000	stainless steel	100	3.0 kg	
Item no.	Gratings – width 150 mm / height 20 mm	Material	Pcs./Pallet	Weight	Euro/pc.
23515301	FA mesh grating, 1000/150/20/2, MWV 30/10	L stainless steel	170	2.9 kg	
23515302	FA mesh grating, 500/150/20/2, MWV 30/10	L stainless steel	54	1.5 kg	
23515303	FA longitudinal bar grating, 1000/150/20/2, bar distance 10	stainless steel	170	4.6 kg	
23515304	FA longitudinal bar grating, 500/150/20/2, bar distance 10	stainless steel	54	2.3 kg	
23515305	FA design-longitudinal bar grating, 1000/150/20/2, bar distance 6	stainless steel	80	3.6 kg	
23515306	FA design-longitudinal bar grating, 500/150/20/2, bar distance 6	stainless steel	54	1.7 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
23915321	FA front cap E, width 150	L stainless steel	30, 40	0.1 kg	
23915322	FA front cap E, width 150	L stainless steel	50, 75, 100	0.1 kg	
23915331	FA connection sleeve for channels with H 50, 75, 100	L stainless steel	28	0.1 kg	
24900009	FA pipe socket DN 100 for outlet unit	L plastic		0.1 kg	
24909013	FA flat head screw for fastening mesh, slotted and longitudinal bar gratings (required per m: 2 pcs.)	L stainless steel		0.1 kg	
24900025	FA bolting-material set for mesh and longitudinal bar gratings: locking bar incl. press nut and pan head screw for H 40/50 (required per m: 2 pcs.) ¹⁾	L stainless steel		0.1 kg	



Fixed construction height



Other construction heights on request



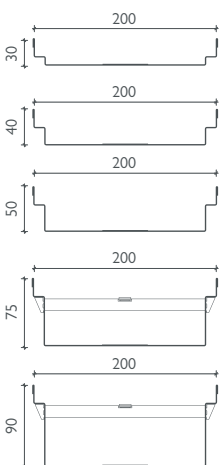
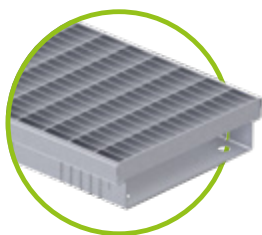
All FA facade channels incl. gratings are walkable and wheelchair-accessible!





BG-FLEX^{FA}

Facade channel



Fixed construction height

BG-FLEX FA facade channel, width 200 – GALVANISED

perforated on both sides (except accessory elements) or closed, galvanised steel (V)

Item no.	Channel body perforated – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23020201	FA facade channel V, width 200	L	1000	30	2.3 kg
23020202	FA facade channel V, width 200	L	2000	30	4.5 kg
23020203	FA facade channel V, width 200	L	1000	40	2.4 kg
23020204	FA facade channel V, width 200	L	2000	40	4.8 kg
23020205	FA facade channel V, width 200	L	1000	50	2.6 kg
23020206	FA facade channel V, width 200	L	2000	50	5.2 kg
23020207	FA facade channel V, width 200	L	1000	75	3.0 kg
23020208	FA facade channel V, width 200	L	2000	75	6.0 kg
23020209	FA facade channel V, width 200	L	1000	90	3.3 kg
23020210	FA facade channel V, width 200	L	2000	90	6.5 kg
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23020221	FA facade channel V, width 200		1000	30	2.3 kg
23020222	FA facade channel V, width 200		2000	30	4.5 kg
23020223	FA facade channel V, width 200		1000	40	2.4 kg
23020224	FA facade channel V, width 200		2000	40	4.8 kg
23020225	FA facade channel V, width 200	L	1000	50	2.6 kg
23020226	FA facade channel V, width 200	L	2000	50	5.2 kg
23020227	FA facade channel V, width 200		1000	75	3.0 kg
23020228	FA facade channel V, width 200		2000	75	6.0 kg
23020229	FA facade channel V, width 200	L	1000	90	3.3 kg
23020230	FA facade channel V, width 200	L	2000	90	6.5 kg
Item no.	Accessible channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
21020251	FA facade channel V, width 200, different leg height		1000	50 / 60	2.7 kg
21020252	FA facade channel V, width 200, different leg height		2000	50 / 60	5.3 kg
Item no.	Closed outlet unit incl. outlet pipe DN 100	Material	Height mm	Weight	Euro/pc.
23020251	FA outlet unit V, width 200, L = 1000	L galvanised	30	2.1 kg	
23020252	FA outlet unit V, width 200, L = 1000	L galvanised	40	2.3 kg	
23020253	FA outlet unit V, width 200, L = 1000	L galvanised	50	2.5 kg	
23020254	FA outlet unit V, width 200, L = 1000	L galvanised	75	3.0 kg	
23020255	FA outlet unit V, width 200, L = 1000	L galvanised	90	3.2 kg	
Item no.	Gratings – width 200 mm / height 20 mm	Material	Pcs./Pallet	Weight	Euro/pc.
24520201	FA mesh grating, 1000/200/20, MW 30/10	L galvanised	60	3.8 kg	
24520202	FA mesh grating, 500/200/20, MW 30/10	L galvanised	30	2.0 kg	
23520203	FA mesh grating, 1000/200/20, MW 30/10 T-profile	galvanised	60	5.3 kg	
24520203	FA longitudinal bar grating, 1000/200/20, bar distance 10	L galvanised	60	6.4 kg	
24520204	FA longitudinal bar grating, 500/200/20, bar distance 10	L galvanised	30	3.2 kg	
23520201	FA slotted grating, 1000/200/20, SW 9/130	L galvanised	60	2.3 kg	
24520207	FA perforated grating, 1000/200/20, Ø 6	L galvanised	60	3.5 kg	
24520208	FA perforated grating, 500/200/20, Ø 6	L galvanised	30	1.7 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
23920221	FA front cap V, width 200	L galvanised	30, 40	0.1 kg	
23920222	FA front cap V, width 200	L galvanised	50	0.1 kg	
23920223	FA front cap V, width 200	L galvanised	75	0.1 kg	
23920224	FA front cap V, width 200	L galvanised	90	0.1 kg	
23920231	FA connection sleeve for channels with H 50, 75, 90	L galvanised	28	0.1 kg	
24900009	FA pipe socket DN 100 for outlet unit	L plastic		0.1 kg	
24909012	FA flat head screw for fastening mesh, slotted and longitudinal bar gratings (required per m: 2 pcs.)	L galvanised		0.1 kg	
24900012	FA bolting-material set for mesh and longitudinal bar gratings: locking bar incl. press nut and pan head screw for H 40/50 (required per m: 2 pcs.) ¹⁾	L galvanised		0.1 kg	

i Other construction heights on request

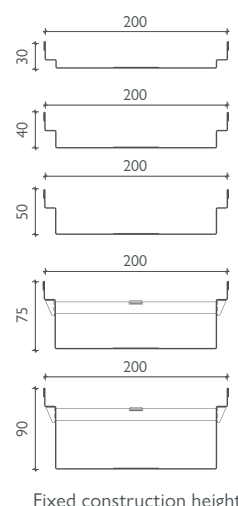
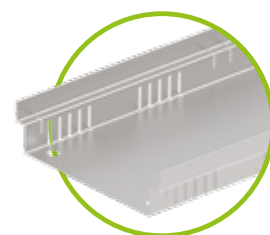
i All FA facade channels incl. gratings are walkable and wheelchair-accessible!

i For channels with an overall construction length of 2000 mm, longer pallets (2080x780x150 mm) are used to ensure safe transportation. These pallets are charged at € 28.00 per item.

BG-FLEX FA facade channel, width 200 – STAINLESS STEEL

perforated on both sides (except accessory elements) or closed, stainless steel (E)

Item no.	Channel body perforated – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23020301	FA facade channel E, width 200	1000	30	2.2 kg	
23020302	FA facade channel E, width 200	2000	30	4.5 kg	
23020303	FA facade channel E, width 200	1000	40	2.4 kg	
23020304	FA facade channel E, width 200	2000	40	4.8 kg	
23020305	FA facade channel E, width 200	L 1000	50	2.6 kg	
23020306	FA facade channel E, width 200	L 2000	50	5.2 kg	
23020307	FA facade channel E, width 200	L 1000	75	3.0 kg	
23020308	FA facade channel E, width 200	L 2000	75	6.0 kg	
23020309	FA facade channel E, width 200	L 1000	90	3.3 kg	
23020310	FA facade channel E, width 200	L 2000	90	6.5 kg	
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23020321	FA facade channel E, width 200	1000	30	2.2 kg	
23020322	FA facade channel E, width 200	2000	30	4.5 kg	
23020323	FA facade channel E, width 200	1000	40	2.4 kg	
23020324	FA facade channel E, width 200	2000	40	4.8 kg	
23020325	FA facade channel E, width 200	1000	50	2.6 kg	
23020326	FA facade channel E, width 200	2000	50	5.2 kg	
23020327	FA facade channel E, width 200	1000	75	3.0 kg	
23020328	FA facade channel E, width 200	2000	75	6.0 kg	
23020329	FA facade channel E, width 200	1000	90	3.3 kg	
23020330	FA facade channel E, width 200	2000	90	6.5 kg	
Item no.	Closed outlet unit incl. outlet pipe DN 100	Material	Height mm	Weight	Euro/pc.
23020351	FA outlet unit E, width 200, L = 1000	stainless steel	30	2.1 kg	
23020352	FA outlet unit E, width 200, L = 1000	stainless steel	40	2.3 kg	
23020353	FA outlet unit E, width 200, L = 1000	stainless steel	50	2.5 kg	
23020354	FA outlet unit E, width 200, L = 1000	stainless steel	75	3.0 kg	
23020355	FA outlet unit E, width 200, L = 1000	stainless steel	90	3.2 kg	
Item no.	Gratings – width 200 mm / height 20 mm	Material	Pcs./Pallet	Weight	Euro/pc.
24520301	FA mesh grating, 1000/200/20, MW 30/10	L stainless steel	60	3.8 kg	
24520302	FA mesh grating, 500/200/20, MW 30/10	L stainless steel	30	2.4 kg	
24520303	FA longitudinal bar grating, 1000/200/20, bar distance 10	L stainless steel	60	6.5 kg	
24520304	FA longitudinal bar grating, 500/200/20, bar distance 10	L stainless steel	30	3.3 kg	
23520301	FA slotted grating, 1000/200/20, SW 9/130	L stainless steel	60	2.2 kg	
24520307	FA perforated grating, 1000/200/20, Ø 6	L stainless steel	60	3.5 kg	
24520308	FA perforated grating, 500/200/20, Ø 6	L stainless steel	30	1.7 kg	
23520305	FA design-longitudinal bar grating, 1000/200/20/2, bar distance 6	L stainless steel	78	5.0 kg	
23520306	FA design-longitudinal bar grating, 500/200/20/2, bar distance 6	L stainless steel	42	2.1 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
23920321	FA front cap E, width 200	L stainless steel	30, 40	0.1 kg	
23920322	FA front cap E, width 200	L stainless steel	50	0.1 kg	
23920323	FA front cap E, width 200	L stainless steel	75, 90	0.1 kg	
23920331	FA connection sleeve for channels with H 50, 75, 90	L stainless steel	28	0.1 kg	
24900009	FA pipe socket DN 100 for outlet unit	L plastic		0.1 kg	
24909013	FA flat head screw for fastening mesh, slotted and longitudinal bar gratings (required per m: 2 pcs.)	L stainless steel		0.1 kg	
24900013	FA bolting-material set for mesh and longitudinal bar gratings: locking bar incl. press nut and pan head screw for H 40/50 (required per m: 2 pcs.) ¹⁾	L stainless steel		0.1 kg	



Fixed construction height



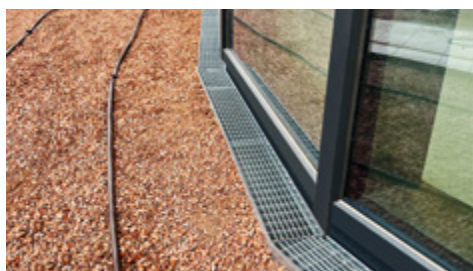
Other construction heights on request

BG-FILCOTEN®

BG-CLASSIC

BG-FLEX

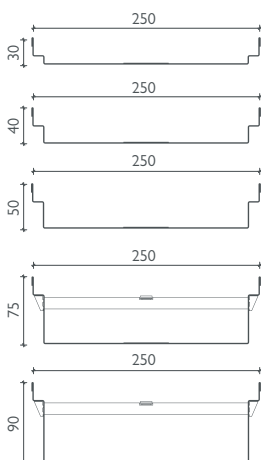
References





BG-FLEX^{FA}

Facade channel



Fixed construction height



Other construction heights on request

BG-FLEX FA facade channel, width 250 – GALVANISED

perforated on both sides (except accessory elements) or closed, galvanised steel (V)

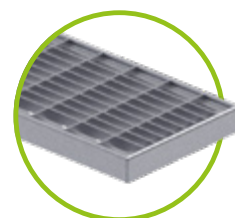
Item no.	Channel body perforated – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23025201	FA facade channel V, width 250	1000	30	2.7 kg	
23025202	FA facade channel V, width 250	2000	30	5.3 kg	
23025203	FA facade channel V, width 250	1000	40	2.8 kg	
23025204	FA facade channel V, width 250	2000	40	5.6 kg	
23025205	FA facade channel V, width 250 L	1000	50	3.0 kg	
23025206	FA facade channel V, width 250 L	2000	50	6.0 kg	
23025207	FA facade channel V, width 250 L	1000	75	3.4 kg	
23025208	FA facade channel V, width 250 L	2000	75	6.8 kg	
23025209	FA facade channel V, width 250 L	1000	90	3.7 kg	
23025210	FA facade channel V, width 250 L	2000	90	7.3 kg	
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23025221	FA facade channel V, width 250	1000	30	2.7 kg	
23025222	FA facade channel V, width 250	2000	30	5.3 kg	
23025223	FA facade channel V, width 250	1000	40	2.8 kg	
23025224	FA facade channel V, width 250	2000	40	5.6 kg	
23025225	FA facade channel V, width 250	1000	50	3.0 kg	
23025226	FA facade channel V, width 250	2000	50	6.0 kg	
23025227	FA facade channel V, width 250	1000	75	3.4 kg	
23025228	FA facade channel V, width 250	2000	75	6.8 kg	
23025229	FA facade channel V, width 250	1000	90	3.7 kg	
23025230	FA facade channel V, width 250	2000	90	7.3 kg	
Item no.	Closed outlet unit incl. outlet pipe DN 100	Material	Height mm	Weight	Euro/pc.
23025251	FA outlet unit V, width 250, L = 1000	galvanised	30	2.5 kg	
23025252	FA outlet unit V, width 250, L = 1000	galvanised	40	2.7 kg	
23025253	FA outlet unit V, width 250, L = 1000 L	galvanised	50	2.8 kg	
23025254	FA outlet unit V, width 250, L = 1000 L	galvanised	75	3.4 kg	
23025255	FA outlet unit V, width 250, L = 1000 L	galvanised	90	3.6 kg	
Item no.	Covers – width 250 mm	Material	Pcs./Pallet	Weight	Euro/pc.
24525201	FA mesh grating, 1000/250/20, MW 30/10 L	galvanised	60	4.8 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
23925221	FA front cap V, width 250 L	galvanised	30, 40	0.1 kg	
23925222	FA front cap V, width 250 L	galvanised	50, 75, 90	0.1 kg	
23925231	FA connection sleeve for channels with H 50, 75, 90 L	galvanised	28	0.1 kg	
24900009	FA pipe socket DN 100 for outlet unit L	plastic		0.1 kg	
24909012	FA flat head screw for fastening mesh, slotted and longitudinal bar gratings (required per m: 2 pcs.) L	galvanised		0.1 kg	
24900026	FA bolting-material set for mesh and longitudinal bar gratings: locking bar incl. press nut and pan head screw for H 40/50 (required per m: 2 pcs.) ¹⁾ L	galvanised		0.1 kg	



All FA facade channels incl. gratings are walkable and wheelchair-accessible!  



For channels with an overall construction length of 2000 mm, longer pallets (2080x780x150 mm) are used to ensure safe transportation. These pallets are charged at € 28.00 per item.



FA mesh grating MW 30/10, T-profile, for width 130, 200



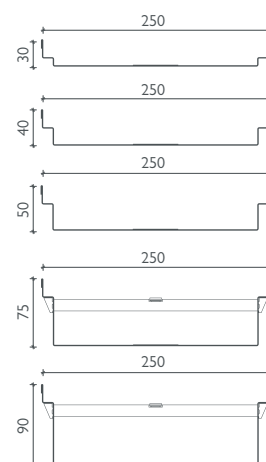
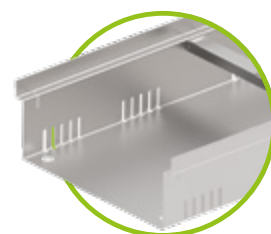
GRASPOINTNER
Sustainable innovation.

¹⁾ H 30 not boltable
L = stock items

BG-FLEX FA facade channel, width 250 – STAINLESS STEEL

perforated on both sides (except accessory elements) or closed, stainless steel (E)

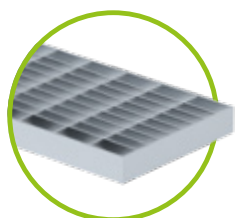
Item no.	Channel body perforated – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23025301	FA facade channel E, width 250	1000	30	2.7 kg	
23025302	FA facade channel E, width 250	2000	30	5.3 kg	
23025303	FA facade channel E, width 250	1000	40	2.8 kg	
23025304	FA facade channel E, width 250	2000	40	5.6 kg	
23025305	FA facade channel E, width 250	L	50	3.0 kg	
23025306	FA facade channel E, width 250	L	50	6.0 kg	
23025307	FA facade channel E, width 250	L	75	3.4 kg	
23025308	FA facade channel E, width 250	L	75	6.8 kg	
23025309	FA facade channel E, width 250	L	90	3.6 kg	
23025310	FA facade channel E, width 250	L	90	7.3 kg	
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
23025321	FA facade channel E, width 250	1000	30	2.7 kg	
23025322	FA facade channel E, width 250	2000	30	5.3 kg	
23025323	FA facade channel E, width 250	1000	40	2.8 kg	
23025324	FA facade channel E, width 250	2000	40	5.6 kg	
23025325	FA facade channel E, width 250	1000	50	3.0 kg	
23025326	FA facade channel E, width 250	2000	50	6.0 kg	
23025327	FA facade channel E, width 250	1000	75	3.4 kg	
23025328	FA facade channel E, width 250	2000	75	6.8 kg	
23025329	FA facade channel E, width 250	1000	90	3.6 kg	
23025330	FA facade channel E, width 250	2000	90	7.3 kg	
Item no.	Closed outlet unit incl. outlet pipe DN 100	Material	Height mm	Weight	Euro/pc.
23025351	FA outlet unit E, width 250, L = 1000	stainless steel	30	2.5 kg	
23025352	FA outlet unit E, width 250, L = 1000	stainless steel	40	2.7 kg	
23025353	FA outlet unit E, width 250, L = 1000	stainless steel	50	2.8 kg	
23025354	FA outlet unit E, width 250, L = 1000	stainless steel	75	3.4 kg	
23025355	FA outlet unit E, width 250, L = 1000	stainless steel	90	3.6 kg	
Item no.	Covers – width 250 mm	Material	Pcs./Pallet	Weight	Euro/pc.
23525303	FA mesh grating, 1000/250/20, MW 30/10	stainless steel	60	5.5 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
23925321	FA front cap E, width 250	L stainless steel	30, 40	0.1 kg	
23925322	FA front cap E, width 250	L stainless steel	50, 75, 90	0.1 kg	
23925331	FA connection sleeve for channels with H 50, 75, 90	L stainless steel	28	0.1 kg	
24900009	FA pipe socket DN 100 for outlet unit	L plastic		0.1 kg	
24909013	FA flat head screw for fastening mesh, slotted and longitudinal bar gratings (required per m: 2 pcs.)	L stainless steel		0.1 kg	
24900027	FA bolting-material set for mesh and longitudinal bar gratings: locking bar incl. press nut and pan head screw for H 40/50 (required per m: 2 pcs.) ¹⁾	L stainless steel		0.1 kg	



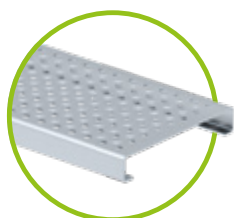
Fixed construction height



Other construction heights on request



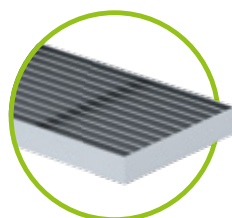
Mesh grating MW 30/10
for width 100, 130, 150, 200, 250



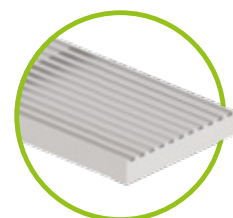
Perforated grating Ø 6 mm
for width 130, 200



Slotted grating
only for width 130, 200



Longitudinal bar grating,
bar distance 10
for width 100, 130, 150, 200



Longitudinal design
bar grating (E)
for width 100, 130, 150, 200

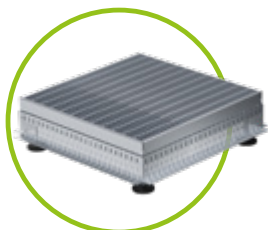


BG-FLEX^{FA}

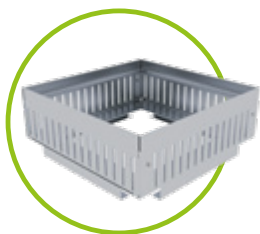
Facade channel

BG-FLEX FA gully top

suitable as sump or maintenance unit with inserted mesh gratings

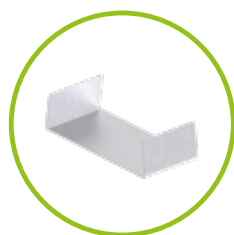


FA gully top
with mesh grating

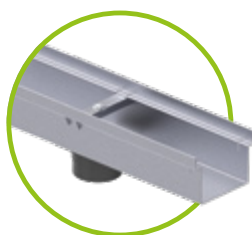


FA add-on frame
for gully top

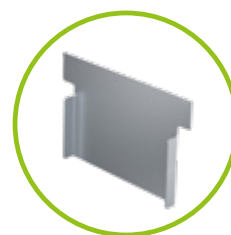
Item no.	Gully tops – material thickness 1.00 mm	Material	Height mm	Weight	Euro/pc.
23900206	FA gully top V 150/150, fixed construction height	L galvanised	60	0.5 kg	
23900207	FA gully top V 150/150, fixed construction height	L galvanised	100	0.7 kg	
23900208	FA gully top V 150/150, fixed construction height	L galvanised	150	0.8 kg	
23900212	Distance frame for height adjustment 150/150, fixed construction height	L galvanised	20	0.2 kg	
23900214	Distance frame for height adjustment 150/150, fixed construction height	L galvanised	50	0.3 kg	
23900201	FA gully top V 200/200, fixed construction height	L galvanised	60	0.6 kg	
23900202	FA gully top V 200/200, fixed construction height	L galvanised	100	0.9 kg	
23900203	FA gully top V 200/200, fixed construction height	L galvanised	150	1.2 kg	
23900205	Distance frame for height adjustment 200/200, fixed construction height	L galvanised	20	0.3 kg	
23900215	Distance frame for height adjustment 200/200, fixed construction height	L galvanised	50	0.5 kg	
24925200	FA gully top V 250/250, fixed construction height	L galvanised	50	1.9 kg	
24925201	FA gully top V 250/250, variable construction height	L galvanised	70 – 100	2.6 kg	
24925202	FA gully top V 250/250, variable construction height	L galvanised	100 – 160	2.9 kg	
24925300	FA gully top E 250/250, fixed construction height	L stainless steel	50	1.9 kg	
24925301	FA gully top E 250/250, variable construction height	L stainless steel	70 – 100	2.6 kg	
24925302	FA gully top E 250/250, variable construction height	L stainless steel	100 – 160	2.9 kg	
24940200	FA gully top V 400/400, fixed construction height	L galvanised	50	2.4 kg	
24940201	FA gully top V 400/400, variable construction height	L galvanised	70 – 100	3.3 kg	
24940202	FA gully top V 400/400, variable construction height	L galvanised	100 – 160	4.1 kg	
24940300	FA gully top E 400/400, fixed construction height	L stainless steel	50	2.4 kg	
24940301	FA gully top E 400/400, variable construction height	L stainless steel	70 – 100	3.3 kg	
24940302	FA gully top E 400/400, variable construction height	L stainless steel	100 – 160	4.1 kg	
24925210	FA add-on frame for gully top V 250/250, fixed construction height	L galvanised	80	1.5 kg	
24940210	FA add-on frame for gully top V 400/400, fixed construction height	L galvanised	80	3.3 kg	
24925310	FA add-on frame for gully top E 250/250, fixed construction height	L stainless steel	80	1.5 kg	
24940310	FA add-on frame for gully top E 400/400, fixed construction height	L stainless steel	80	3.3 kg	
Item no.	Gratings for gully tops	Material	Pcs./Pallet	Weight	Euro/pc.
24515200	FA mesh grating 150/150/20, MW 30/10	L galvanised	120	0.7 kg	
24520200	FA mesh grating, 200/200/20, MW 30/10	L galvanised	120	1.1 kg	
24525200	FA mesh grating 240/240/20, MW 30/10	L galvanised	120	1.3 kg	
24525300	FA mesh grating 240/240/20, MW 30/10	L stainless steel	120	1.3 kg	
24540200	FA mesh grating 392/392/20, MW 30/10	L galvanised	120	2.6 kg	
24540300	FA mesh grating 392/392/20, MW 30/10	L stainless steel	120	2.6 kg	



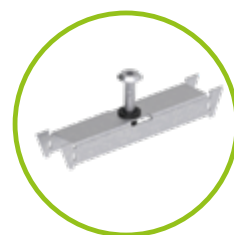
FA connection sleeve



FA outlet unit with outlet pipe



FA front caps

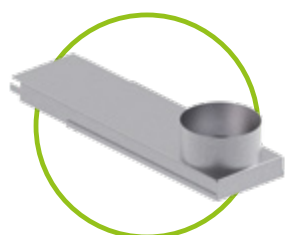


FA locking bar
and pan head screw

BG-FLEX soffit drain element DN 100

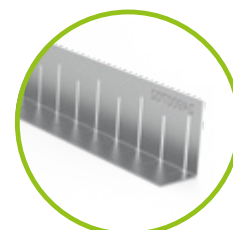
for BG-FLEX FA facade channel

Item no.	Accessories - BG-FLEX range	Material	Weight	Pcs./Pallet	Euro/pc.
23900226	BG-FLEX soffit drain element DN 100, material thickness 1 mm variable length (extendable from 300 – 500 mm), outlet DN 100	galvanised steel	1.5 kg	40 pcs.	



BG-FLEX FA gravel stop

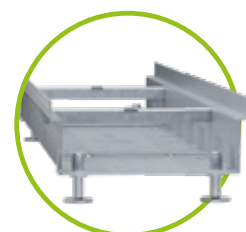
Item no.	gravel stop – perforated	Material	Length mm	Weight	Euro/pc.
23900911	FA gravel stop 60 x 40 mm, 2 mm thickness	aluminium	2000	0.9 kg	
24900702	FA gravel stop 80 x 50 mm, 2 mm thickness	aluminium	2000	1.3 kg	
23900922	FA gravel stop 80 x 80 mm, 2 mm thickness	aluminium	2000	1.5 kg	
23900912	FA gravel stop 100 x 80 mm, 2 mm thickness	aluminium	2000	1.7 kg	
23900916	FA gravel stop 100 x 80 mm, with additional fold, 1.5 mm thickness	aluminium	2000	1.5 kg	
23900924	FA gravel stop 150 x 100 mm, 2 mm thickness	aluminium	2000	2.3 kg	



FA gravel stop

BG-FLEX FA height adjustment for facade channels

Item no.	Retainer plate and adjustable feet	Material	Height mm	Weight	Euro/pc.
24910231	FA retainer plate RB 100 for adjustable feet, with press nuts	galvanised		0.1 kg	
24913231	FA retainer plate RB 130 for adjustable feet, with press nuts	galvanised		0.1 kg	
24915231	FA retainer plate RB 150 for adjustable feet, with press nuts	galvanised		0.1 kg	
24920231	FA retainer plate RB 200 for adjustable feet, with press nuts	galvanised		0.1 kg	
24925231	FA retainer plate RB 250 for adjustable feet, with press nuts	galvanised		0.1 kg	
24910331	FA retainer plate RB 100 for adjustable feet, with press nuts	stainless steel		0.1 kg	
24913331	FA retainer plate RB 130 for adjustable feet, with press nuts	stainless steel		0.1 kg	
24915331	FA retainer plate RB 150 for adjustable feet, with press nuts	stainless steel		0.1 kg	
24920331	FA retainer plate RB 200 for adjustable feet, with press nuts	stainless steel		0.1 kg	
24925331	FA retainer plate RB 250 for adjustable feet, with press nuts	stainless steel		0.1 kg	
24900203	FA adjustable foot M 10 x 30	L galvanised	30	0.1 kg	
24900204	FA adjustable foot M 10 x 40	L galvanised	40	0.1 kg	
24900205	FA adjustable foot M 10 x 50	L galvanised	50	0.1 kg	
24900208	FA adjustable foot M 10 x 80	L galvanised	80	0.1 kg	
24900303	FA adjustable foot M 10 x 30	L stainless steel	30	0.1 kg	
24900304	FA adjustable foot M 10 x 40	L stainless steel	40	0.1 kg	
24900305	FA adjustable foot M 10 x 50	L stainless steel	50	0.1 kg	
24900308	FA adjustable foot M 10 x 80	L stainless steel	80	0.1 kg	



FA retainer plate with M 10 adjustable feet

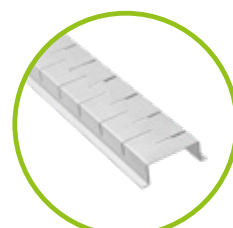


Please note that, for height-adjustable facade channels, the 1-metre channel requires 4 adjustable feet and the 2-metre channel 6 adjustable feet in the corresponding height.

BG-FLEX FA branch channels

to connect channels and outlet

Item no.	Branch channels	Length mm	Height mm	Weight	Euro/pc.
37851	FA branch channel 1000/90/30, galvanised	L 1000	30	1.1 kg	
37852	FA branch channel 2000/90/30, galvanised	L 2000	30	2.2 kg	
37861	FA branch channel 1000/90/30, stainless steel	L 1000	30	1.1 kg	
37862	FA branch channel 2000/90/30, stainless steel	L 2000	30	2.2 kg	



FA branch channels

BG-FLEX FA Terrace point drainage

height-adjustable point drainage unit for roof terraces and balconies

Item no.	Terrace point drainage units	Length/Width in mm	Height in mm	Weight	Euro/pc.
23910701	Terrace point drainage incl. slotted grating, aluminium	200	38 – 128	1.3 kg	
23910702	Terrace point drainage incl. slotted grating with hole for inlet, DM 70, aluminium	200	38 – 128	1.3 kg	
23910703	Terrace point drainage incl. slotted grating with hole for inlet, DM 100, aluminium	200	38 – 128	1.3 kg	
23910706	Drainage tray flat, galvanised and blasted, outlet DN 100	200	40	0.5 kg	

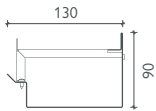
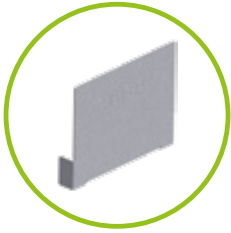
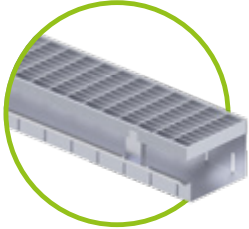


Terrace point drainage



BG-FLEX glass

Facade channel



BG-FLEX glass, width 130 – GALVANISED

Perforated on both sides, galvanised (V), incl support bracket and butt connector; material thickness 1 mm

Item no.	Channel body	Length	Height	Weight	Euro/pc.
21013271	glass V, width 130	2000	90	4.9 kg	
Item no.	Accessories	Length	Height	Weight	Euro/pc.
24913225	Front cap glass V, width 130		90	0.1 kg	

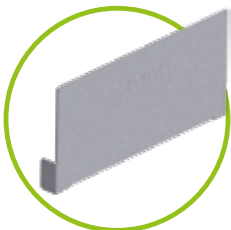
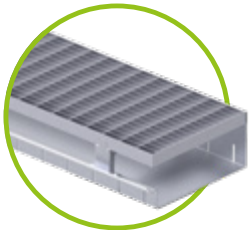
BG-FLEX glass, width 130 – STAINLESS STEEL

Perforated on both sides, stainless steel (E), incl support bracket and butt connector; material thickness 1 mm

Item no.	Channel body	Length	Height	Weight	Euro/pc.
21013371	glass E, width 130	2000	90	4.9 kg	
Item no.	Accessories	Length	Height	Weight	Euro/pc.
24913325	Front cap glass E, width 130		90	0.1 kg	



All FA gratings can also be used on glass facade channels.



BG-FLEX glass, width 200 – GALVANISED

Perforated on both sides, galvanised (V), incl support bracket and butt connector; material thickness 1 mm

Item no.	Channel body	Length	Height	Weight	Euro/pc.
21020271	glass V, width 200	2000	90	6.2 kg	
Item no.	Accessories	Length	Height	Weight	Euro/pc.
24920225	Front cap glass V, width 200		90	0.1 kg	

BG-FLEX glass, width 200 – STAINLESS STEEL

Perforated on both sides, stainless steel (E), incl support bracket and butt connector; material thickness 1 mm

Item no.	Channel body	Length	Height	Weight	Euro/pc.
21020371	glass E, width 200	2000	90	6.2 kg	
Item no.	Accessories	Length	Height	Weight	Euro/pc.
24920325	Front cap glass E, width 200		90	0.1 kg	



Delivery time on request.



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References



BG-FILCOTEN®

BG-CLASSIC

BG-FLEX



BG-FLEX base Plinth channel

BG-FLEX base plinth channel, width 250

Channel body made of galvanised (V) or stainless steel (E)

Item no.	Channel body perforated – material thickness 1.5 mm	Material	Height mm	Weight	Euro/pc.
21025230	Plinth channel incl. set of adjustable spacers V, width 250, L = 1000	galvanised	300	10.5 kg	
21025330	Plinth channel incl. set of adjustable spacers E, width 250, L = 1000	stainless steel	300	10.5 kg	
Item no.	Channel body corner piece 90° perforated – material thickness 1.5 mm	Material	Pcs./Pallet	Weight	Euro/pc.
21025231	Plinth channel corner element 90° exterior, incl. set of adjustable spacers V; W 250, H 300	galvanised	4	8.3 kg	
21025232	Plinth channel corner element 90° interior, incl. set of adjustable spacers V; W 250, H 300	galvanised	4	7.8 kg	
21025331	Plinth channel corner element 90° exterior, incl. set of adjustable spacers E; W 250, H 300	stainless steel	4	8.3 kg	
21025332	Plinth channel corner element 90° interior, incl. set of adjustable spacers E; W 250, H 300	stainless steel	4	7.8 kg	

Gratings

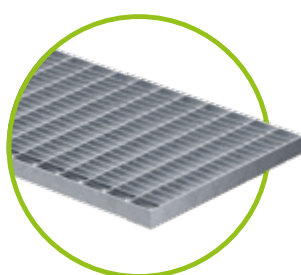
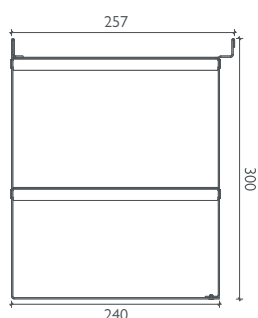
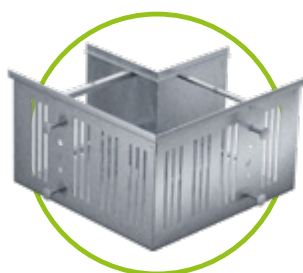
for BG-FLEX base plinth channel made of galvanised steel (V) or stainless steel (E)

Item no.	Gratings	Material	Pcs./Pallet	Weight	Euro/pc.
24525201	Mesh grating V, 1000/250/20, MW 30/10	galvanised	60	4.8 kg	
23525303	Mesh grating E, 1000/250/20, MW 30/10	stainless steel	60	5.5 kg	
24525211	Mesh grating for corner piece V, right, 500/250/20, MW 30/10	galvanised	12	1.8 kg	
24525212	Mesh grating for corner piece V, left, 500/250/20, MW 30/10	galvanised	12	1.8 kg	
24525311	Mesh grating for corner piece E, right, 500/250/20, MW 30/10	stainless steel	12	1.8 kg	
24525312	Mesh grating for corner piece E, left, 500/250/20, MW 30/10	stainless steel	12	1.8 kg	

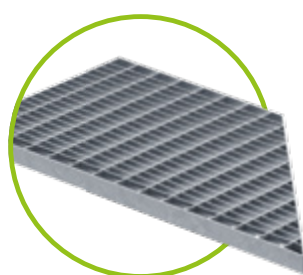
Accessories

for BG-FLEX base plinth channel made of galvanised steel (V) or stainless steel (E)

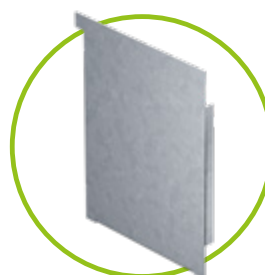
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
24925226	base front cap V, left	galvanised	300	0.5 kg	
24925227	base front cap V, right	galvanised	300	0.5 kg	
24925326	base front cap E, left	stainless steel	300	0.5 kg	
24925327	base front cap E, right	stainless steel	300	0.5 kg	



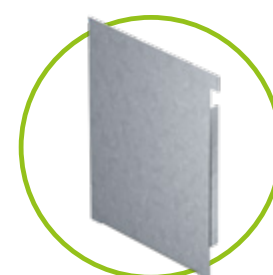
Mesh grating MW 30/10



Mesh grating for corner piece
MW 30/10



base front cap; left



base front cap; right

Your benefits at a glance:

- sturdy channel bodies made of galvanised steel sheeting and/or stainless steel
- barrier-free transitions in compliance with DIN 68800-2
- preserves wood & facades
- large ventilation area
- easy installation

Areas of application:

- | | |
|-----------------------|-----------------|
| • facade | • wooden facade |
| • timber construction | • terrace |



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Compatible with the generally available BG-FLEX FA facade channel accessories.

Leaves **wooden** houses looking **young** and not old for ages.

Timber frame homes have been on trend for years. But, as beautiful they look, they're also sensitive to wet conditions in particular. With its innovative design, the BG-FLEX base plinth channel ensures that the wooden frame construction stays dry and the wooden facades stay intact for a long time to come.

Doubling down on innovation to combat the wet...

The BG-FLEX base has been designed to reduce the water-bearing level and thus keep the timber frame construction lastingly dry whilst preventing water from seeping into the building's waterproofing. A ventilation section integrated into the channel body provides for efficient air circulation. This ensures that moisture in the base area can dry out quickly and the wooden facades are protected against premature weathering. The integrated spacers additionally offer greater location flexibility and serve as braces for the channel bodies over the base area. What's more, the BG-FLEX base is barrier-free, durable and easy to install – and, needless to say, available as standard.

Material

The channels are made of galvanised steel or stainless steel.
Material thickness: 1.5 mm

Strengthening bars

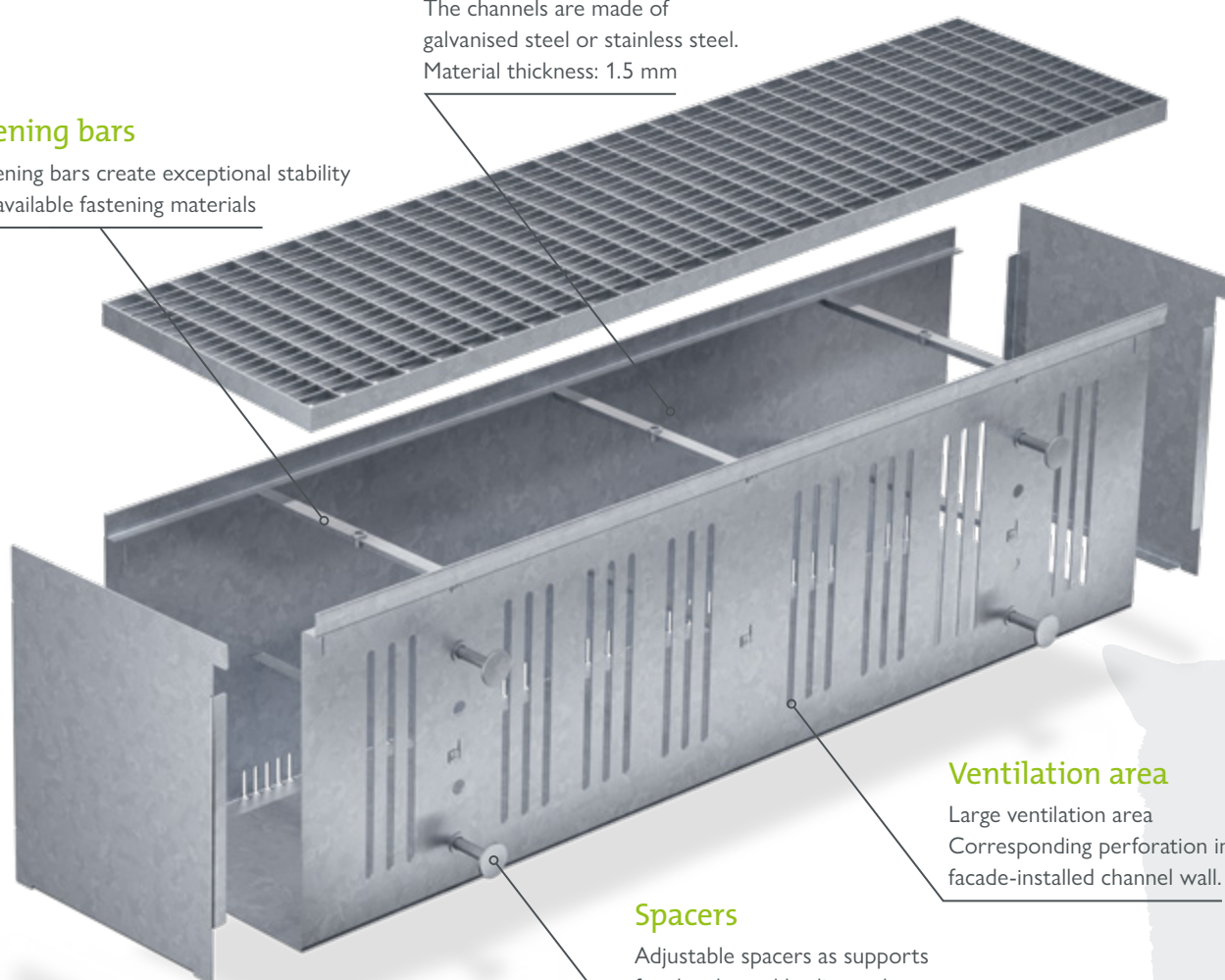
- 6 strengthening bars create exceptional stability
- optionally available fastening materials

Ventilation area

Large ventilation area
Corresponding perforation in the facade-installed channel wall.

Spacers

Adjustable spacers as supports for the channel bodies and to enhance the location options.



Barely visible, but visibly effective.

Sometimes you need to look twice to see true performance. This is true of our terrace slot channels, with their slot width of a mere 18 mm. They blend in perfectly with the overall appearance of the structure without compromising the drainage performance.

Terrace slot channels: Drainage on two levels.

Terrace slot channels are excellent for draining terraces, roof terraces and gardens. Their key advantage is that they allow drainage to occur on two levels: the flooring and the underlying floor plates.



Slot width 18 mm

The narrow slot width of just 18 mm makes these drainage options virtually invisible.

Height-adjustable

Through the height adjustment, the level and slope differences between the walkway surface and base plate can be perfectly balanced.

Two-sided perforation

Drainage possible on two water-bearing levels.

Front sides

The front sides are perfectly coordinated to establish a secure connection between the individual segments.



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Construction time barrier

The construction time barrier should remain in the terrace slot channels during the entire construction period as this prevents the system from deforming or becoming soiled.



Slot inlay

A grating cover prevents solids from entering and ensures that the channel run remains clear and clean. The cover can easily be removed to clean the channel body.

Material

The channels are made of 1.4301 stainless steel.

The benefits at a glance:

- extremely stable and lightweight channel body made of V2A stainless steel
- slot width of 18 mm with high drainage performance
- blends in well with the overall architectural aesthetics thanks to great flexibility and an extremely slim design
- many versions and a range of accessories available
- easy-to-clean channel body with removable cover and maintenance units
- walkable/wheelchair-accessible, heel-proof



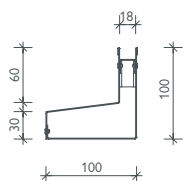
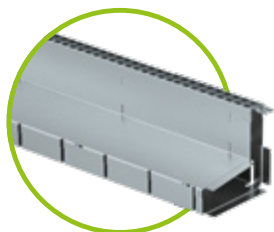
Areas of application:

- flat roof
- terrace
- slot drainage
- garden and landscape construction

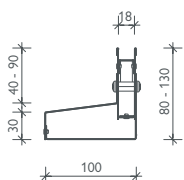


BG-FLEX^{TE}

Terrace slot channel



Fixed construction height

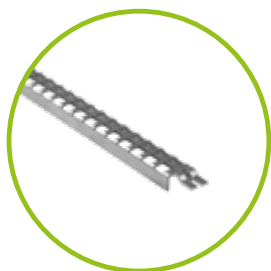


Variable construction height

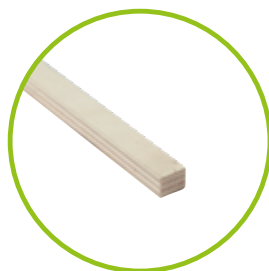
BG-FLEX TE terrace slot channel, SW 18 – STAINLESS STEEL

for the drainage of terraces and gardens

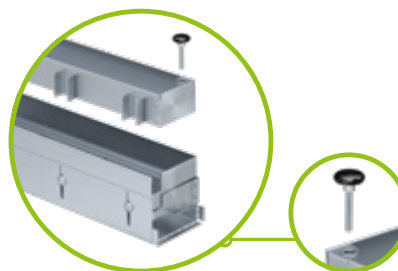
Item no.	Channel body asymmetric – material thickness 1.00 mm	Length mm	Height mm	Weight	Euro/pc.
38000	TE E SW 18 – closed	L	1000	100	3.0 kg
38010	TE E SW 18 – closed	L	1000	80 – 130	3.7 kg
38020	TE E SW 18 – perforated	L	1000	100	3.0 kg
38030	TE E SW 18 – perforated	L	1000	80 – 130	3.7 kg
Item no.	Gratings	Material	Pcs./Pallet	Weight	Euro/pc.
37955	TE slot inlay with square perforation, 8/8 mm, L = 500 mm	L stainless steel	200	0.1 kg	
37956	TE slot inlay with square perforation, 8/8 mm, L = 1000 mm	L stainless steel	100	0.2 kg	
37961	TE construction time barrier SW 18 mm, L = 1000 mm	L wood	200	0.1 kg	
Item no.	Accessories	Material	Height mm	Weight	Euro/pc.
38040	TE maintenance unit, 500/100 with lateral or bottom outlet	L stainless steel	80 – 130	3.0 kg	
13399	TE opening tool for maintenance unit-cover – 2 pcs. required	L plastic/galvanised		0.1 kg	
38050	TE external corner, 200/200 – non-perforated	L stainless steel	80 – 130	1.2 kg	
38055	TE internal corner, 200/200 – non-perforated	L stainless steel	80 – 130	1.4 kg	
38060	TE front cap left/right, width 100 mm	L stainless steel	80 – 130	0.1 kg	



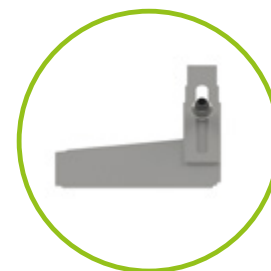
TE slot inlay with square perforation 8/8 mm



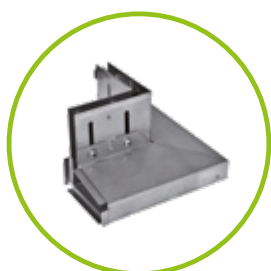
TE construction time barrier made of wood, L = 1000 mm



TE maintenance unit 500/100 with outlet:
bottom DN 75 / at the side DN 50



TE front cap left/right, width 100 mm



TE external corner, 200/200, non-perforated



TE internal corner 200/200, non-perforated



References



BG-FILCOTEN®

BG-CLASSIC

BG-FLEX



BG-FLEX™ terrace channel

BG-FLEX™ terrace channel, W 60 – STAINLESS STEEL

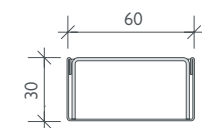
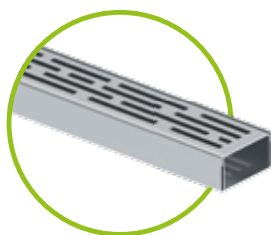
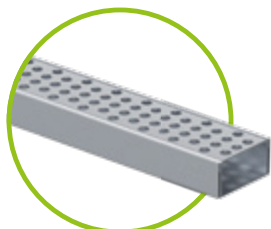
for paving drainage on terraces and balconies

Item no.	Channel body	Length mm	Height mm	Weight	Euro/pc.
21106301	TM terrace channel	1000	30	2.1 kg	
Item no.	Outlet unit	Length mm	Height mm	Weight	Euro/pc.
21106302	Outlet unit, outlet DN 50	1000	30	2.1 kg	
21106311	SET, corner section	1000x1000	30	4.1 kg	

BG-FLEX™ terrace channel, W 60, LINEAR – STAINLESS STEEL

for paving drainage on terraces and balconies

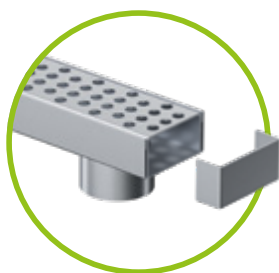
Item no.	Channel body	Length mm	Height mm	Weight	Euro/pc.
21106305	TM terrace channel LINEAR	1000	30	2.0 kg	
Item no.	Outlet unit	Length mm	Height mm	Weight	Euro/pc.
21106306	Outlet unit, outlet DN 50	1000	30	2.1 kg	
21106312	SET, corner section	1000x1000	30	4.0 kg	



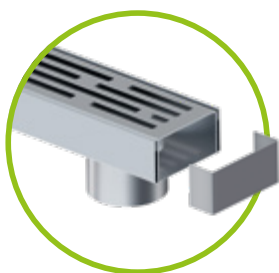
Fixed construction height

Advantages of the new mini channel for terrace:

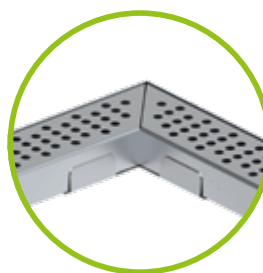
- material thicknesses: Channel body 0.75 mm / cover 1.50 mm
- narrow, discreet look through channel width 60
- installation simultaneously with the paving stones on the surface, no special substructure is required
- channel cover film guards against damage while construction is ongoing
- DIY due to quick-and-easy installation



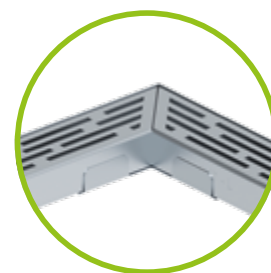
Outlet unit incl. grating and front cap and connecting cap, bottom outlet DN 50



Outlet unit LINEAR incl. front cap/connecting cap, bottom outlet DN 50

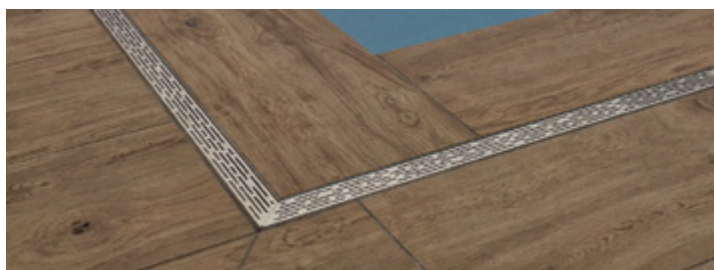


SET, corner section



SET, corner section LINEAR

References



Easy to install elegant design.

Aesthetic and functional.

The BG-FLEX™ terrace channel's narrow width of just 60 mm gives it an inconspicuous elegance that is ideal for terraces and garden areas.

The installation work can occur at the same time as the terrace paving.

No special substructure is required.

Channel cover

Made with a U-profile, the channel cover simply inserts into the channel body. The brushed surface is available as a linear slotted design or with Ø 6 mm perforations. The attached protective film guards against damage during installation.

Subtle look

The channel width of 60 mm creates an elegant and understated look.

Element height

The element's low height of 30 mm is excellently suited for laying in a terrace surface covering.

Material

The channels are made of stainless steel.
Material thicknesses:
Channel body: 0.75 mm
Cover: 1.5 mm

Face / transition plate

The U-shaped component can be used as a transition plate for a secure connection in the channel joint as well as an end cap for the channel run.

Channel body with outlet

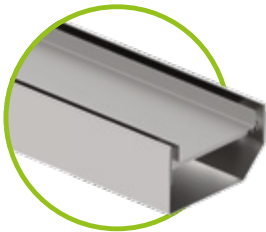
Channel bodies with a DN 50 bottom outlet are also available.

Areas of application:

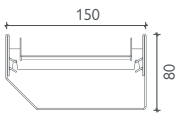
- terrace
- garden and landscape construction



BG-FLEX stone terrace channel



BG-FLEX stone
made of stainless steel



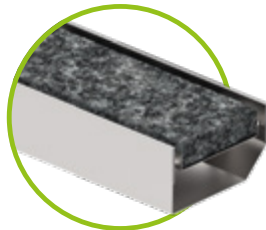
BG-FLEX stone, width 150 – STAINLESS STEEL

Non-perforated channel body made from 1.4301 stainless steel, incl. support bracket and stone basin; matching stone thickness 20 and 30 mm

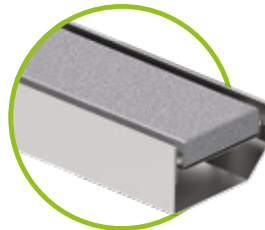
Item no.	Channel body	Length	Height	Weight	Euro/pc.
21115301	stone E, width 150, incl. crossbar and stone basin	1000	80	5.8 kg	
21115302	stone E, width 150, incl. crossbar and stone basin	2000	80	11.6 kg	
Item no.	Accessories	Length	Height	Weight	Euro/pc.
21115303	stone E, width 150, incl. support bar and stone trough with outlet DN 100,	1000	80	6.2 kg	
24915326	Coupling sleeve for stone, width 150	50	46	0.1 kg	
24915327	Front cap stone, width 150	15	80	0.1 kg	



Delivery time on request.



BG-FLEX stone made of stainless steel
Representative image: with granite, dark ¹⁾



BG-FLEX stone made of stainless steel
Representative image: with granite, light ¹⁾



Front cap BG-FLEX stone

References



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Sustainable innovation.

¹⁾ Representative image: channels supplied without stone.

Unobtrusive drainage, durable material.

If you want to preserve the beautiful stone...

... you need to go for this new development. Because BG-FLEX stone can create an unobtrusive drainage channel on flagstone patios without detracting from the overall aesthetic appearance. With two integrated inlet slots, this product delivers high hydraulic performance. Cleaning is a breeze thanks to the easy-to-remove stone basin.

Granite, light (representative image)

A variety of stone slabs can be cut to match the installed channels and the already laid stone.

Support bracket

Support bracket for stone basin; variable for 20 mm and 30 mm tile/slab thickness.

Removable stone basin

Can be fitted with terrace tiling or paving on-site.

Material

The channels are made of stainless steel.

Material thicknesses:

Channel body: 1.5 mm

Stone basin: 1.0 mm

Areas of application:

- terrace
- garden and landscape construction
- flat roof

As **unique** as your requirements.

Our special solutions.

We know that some challenges cannot be solved with standard channel elements. Our technicians will therefore be happy to design special components or individual solutions for your requirements. With our know-how, we will produce what you need, and provide support on site.

Send us your project!

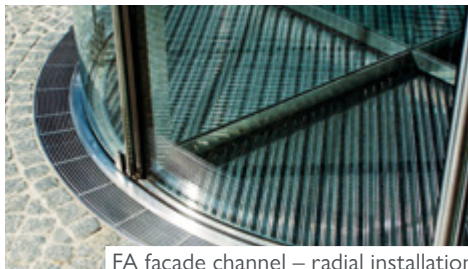
Our technical support will be happy to advise you and provide you with an overall quote for your project.



FA facade channel – adapted to the building



Slot tops for fountains / segment arches



FA facade channel – radial installation



TE terrace slot channel – curved

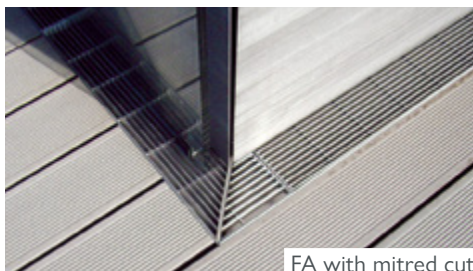


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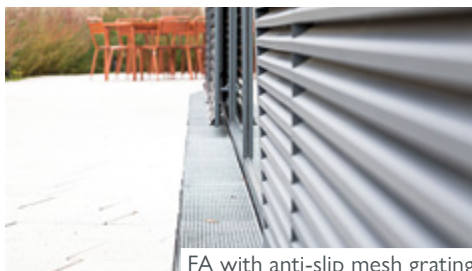
References



Slot top with drainage-slots for drainage of the second level



FA with mitred cut



FA with anti-slip mesh grating



FA with design longitudinal bar grating

Understated yet remarkably efficient & resilient:

Indoor slot channel system BG-FLEX omega

The ability to withstand heavy loads without a cover and, at the same time, ensure reliable and long-lasting drainage performance, makes the BG-FLEX omega slotted channel a simple, economical solution for your indoor drainage.

The "V"-shaped channel bottom enables liquids to drain off safely and efficiently. An integrated odour trap is included in outlet units as standard.

up to class C 250

Visible edge with shimming

- made of PVC, adhered in the edge
- for cavity-free, high load capacity grouting in the concrete/in the coating

Liquid-tight joints

- bolted flange
- seal made from EPDM (alternatively made from Teflon or silicone)
- complete with stainless steel bolting M 8

Corner piece

- corner piece with leg length of 500 mm
- low cost and efficient corner solution
- outstanding in traffic areas

Outlet elements incl. odour trap

- outlet unit with horizontal outlet or vertical outlet (see outlet element above)
- various dimensions and heights for higher drainage capacity
- removable silt bucket solid cover navigable up to class B 125, class C 250 on request



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Sustainable innovation.

Stainless steel channel body

- optimised omega shape for high drainage performance, easy cleaning and high stability (inbuilt slot bridge)
- stainless steel 1.4301 or higher quality upon request
- material thickness: 2 mm
- slot width of 16 mm, no cover required

Connecting elements

- For corner, cross and T-connections
- also available with outlet

Channel with outlet

- vertical/horizontal outlet directly from the channel element
- freely chosen position in the channel run

Anchor plate

- permanent fixing in the adjacent floor construction

Elevation

- height-adjustable elevated rack as a complete set

Front / end cap

- tightly welded
- for tidy and leak-proof closure of the channel run

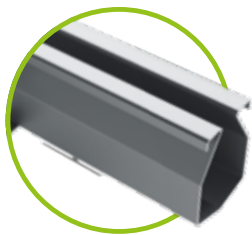
Areas of application:

- slot drainage
- wine yard
- garage

up to class C 250

BG-FLEX omega

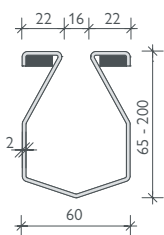
Indoor slot channel system



BG-FLEX omega SW 16 – STAINLESS STEEL

Channel elements with or without slope, with sealing flange for bolting

omega without slope – material thickness: 2.0 mm	Length mm	Height mm	Weight	Euro/pc.
omega – SW 16, without slope, various heights – flange at both ends	to max. 3000	65 – 200	4.4 – 25.5 kg	
omega with 0.5 % slope – material thickness: 2.0 mm	Length mm	Height mm	Weight	Euro/pc.
omega – SW 16, with 0.5 % slope, different construction heights – flange on both sides	to max. 3000	65 – 200	4.5 – 24.6 kg	



Flange connection
with seal

BG-FLEX omega outlet element incl. odour trap

for BG-FLEX omega slotted channels, with silt bucket, in various sizes and heights,
for vertical or horizontal connection

omega outlet units incl. odour trap and silt bucket	Material	Height mm	Weight	Euro/pc.
omega outlet element, 247 x 247, with silt bucket, with outlet DN 100, for vertical connection	stainless steel	260	8.3 kg	
omega outlet element, 247 x 247, with silt bucket, with DN 100 outlet, for horizontal connection	stainless steel	260	8.3 kg	



Other outlet units for higher hydraulic capacity available upon request.



omega outlet elements
incl. odour trap and silt bucket,
horizontal outlet



omega outlet elements
incl. odour trap and silt bucket,
vertical outlet



Please note that these products are manufactured to order – they are not stock products!

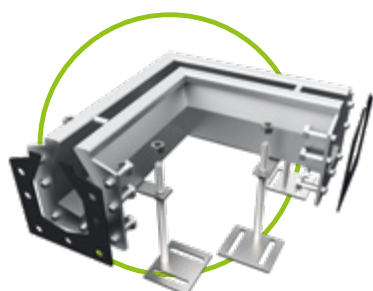


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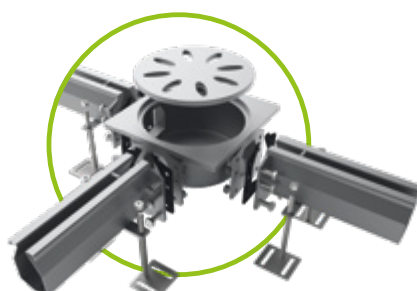
Accessories

for BG-FLEX omega slot channels, SW 16

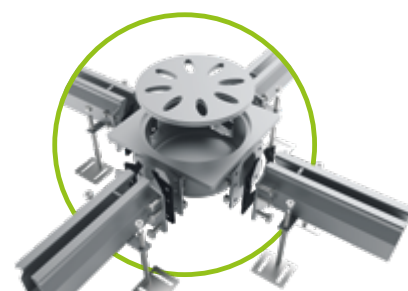
Accessories	Material	Height mm	Weight	Euro/pc.
omega corner 90°, leg length 500 mm	stainless steel	65 – 200	4.4 – 9.0 kg	
omega corner connector 90°	stainless steel	65 – 200	5.7 – 7.3 kg	
omega T-connector	stainless steel	65 – 200	6.1 – 7.8 kg	
omega cross connector	stainless steel	65 – 200	6.5 – 8.3 kg	
omega front or end cap	stainless steel	65 – 200	0.3 – 2.7 kg	
omega end cap with outlet DN 50 mm	stainless steel	65 – 200	0.4 – 2.8 kg	



omega corner
with leg length 500 mm



omega
corner and T connector



omega
cross connector

Send us your project!

Our technical support will be happy to advise you and provide you with an overall quote for your project.

Robert Eder

Phone: +43 6233/8900-0 / sales.int@bg-graspointner.com



References



Coated concrete has a new best friend ...

Drainage channel system BG-FLEX sigma tec

BG-FLEX sigma tec, the drainage system for commercial buildings, is made of stainless steel 1.4301 or a higher grade. The product is the ideal solution for draining accumulating surface water from coated concrete surface coverings. Floor coatings can be laid so they are snug with the channel system for the long-lasting protection of the building structure.

Gratings of stainless steel or plastic, depending on the nominal width, can be selected from the BG-FILCOTEN® product range, up to load class C 250.

up to class C 250

Liquid-tight joints

- bolted flange
- NBR seal
- complete with stainless steel bolting M 6

Front cap

- for a clean finish to the channel run
- incl. surface strip
- with bolted seal

Perforated coating slot

- permanently connects the floor coating to the perforated slot connection plate

Elevation

- height-adjustable elevated rack as a complete set



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Gratings

- COMBee plastic design-grating or mesh grating made from stainless steel
- hole size 7 mm or MW 30/10
- load class B 125 or C 250
- with fiX-locking
- bolting available at extra cost

Sump pit frame

- as connecting element
- also for T, corner and cross connections as stacking frame for a catch basin/sump pit constructed on site

Anchor bar

- for permanent fixing of the channel body in the adjacent floor structure

Channel body

- from stainless steel or higher quality
- nominal width: 100 mm
visible width: 125 mm
- element length: 2000 mm
(adjustable to the line length)
- material thickness: 1.5 mm

Outlet units

- outlet pipe with diameter DN 100
- individual placement in the channel run
- outlet as feed line
e.g. to the oil separator

Areas of application:

- parking deck
- underground car park
- garage

up to class C 250

BG-FLEX sigma tec

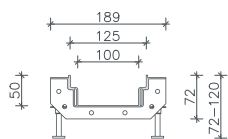
Drainage channel system



BG-FLEX sigma tec, nominal width 100 – STAINLESS STEEL

Channel elements without slope, with sealing flange incl. elevated stand, seal and bolted butt joint; visible width 125 mm, internal height 50 mm

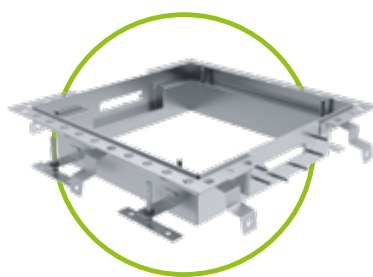
Item no.	sigma tec without slope – material thickness: 1.5 mm	Length mm	Height mm	Weight	Euro/pc.
20710351	Standard element	L 2000	72	10.2 kg	
20710352	Channel element	L 500	72	3.3 kg	
20710353	Channel element	1000	72	5.6 kg	
20710354	Channel element	1500	72	8.5 kg	
20710355	Fitting piece	on request	72		



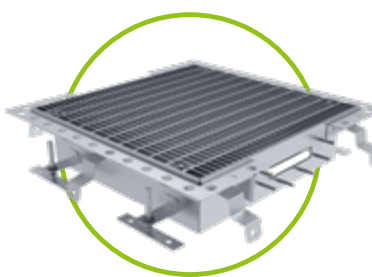
BG-FLEX sigma tec outlet elements

Sump pit frame, can be placed anywhere in the channel run, as a connecting, end, T or cross element

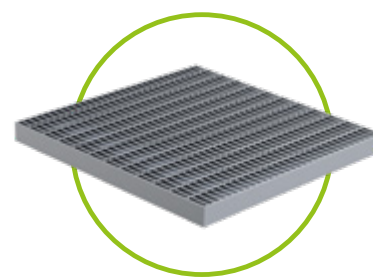
Item no.	sigma tec outlet elements, material thickness 1.5 mm	Length mm	Height mm	Weight	Euro/pc.
20710361	Channel element NW 100, with outlet DN 100	L 500	72	3.8 kg	
20710362	Fitting piece NW 100, incl. bottom outlet DN 100	on request	72		
Item no.	Sump pit made of FILCOTEN® HPC	Material	Height mm	Weight	Euro/pc.
14140000	Sump pit, 440/440/500 ¹⁾	FILCOTEN® HPC	500	51.5 kg	
Item no.	Sump pit frame, material thickness 1.5 mm	Material	Height mm	Weight	Euro/pc.
20700301	Mesh grating, sump pit frame, 400/400/30, MW 30/10	B 125			
20700302	Mesh grating, sump pit frame, 400/400/30, MW 30/10	C 250			
20710371	End piece, 400/400	stainless steel	100	4.5 kg	
20710372	Straight connection piece	stainless steel	100	4.0 kg	
20710373	Corner piece, 90° 400/400	stainless steel	100	4.0 kg	
20710374	T-piece 400/400	stainless steel	100	4.5 kg	
20710375	Cross piece 400/400	stainless steel	100	4.5 kg	
Item no.	Covers, material thickness 1.5 mm	Class acc. EN	Height mm	Weight	Euro/pc.
20700301	Mesh grating for sump pit frame MW 30/10	B 125	30	10.0 kg	
20700302	Mesh grating for sump pit frame MW 30/10	C 250	30	11.8 kg	



sigma tec
sump pit frame



sigma tec
sump pit frame
with mesh grating



Mesh grating MW 30/10,
stainless steel



Please note that these products are manufactured to order – they are not stock products!



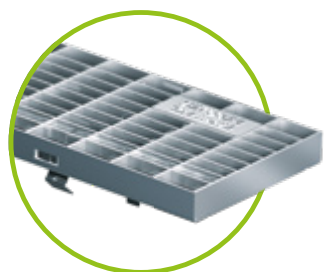
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¹⁾ Details to BG-FILCOTEN® spot-p sump pit see on page 38 and 39.

Gratings and accessories

for BG-FLEX sigma tec drainage channels, nominal width 100

Item no.	Gratings with fiX-locking	Class acc. EN 1433	Height mm	Weight	Euro/pc.
17010322	Mesh grating, 1000/122/20, MWV 30/10, stainless steel	C 250	20	3.3 kg	
17010401	COMBee design grating, 500/123/20, Ø 7.3 mm, plastic PA6	B 125	20	0.9 kg	
17010402	COMBee design grating, 500/123/20, Ø 7.3 mm, plastic PA6	C 250	20	1.1 kg	
17010403	Plastic slotted grating, 500/123/20, SVV 8/40, plastic PA6	B 125	20	0.9 kg	
17010404	Plastic slotted grating, 500/123/20, SVV 8/40, plastic PA6	C 250	20	0.9 kg	
Item no.	Accessories		Material	Weight	Euro/pc.
20710317	Front cap NW 100, incl. seal and fasteners	L	stainless steel	0.6 kg	
20710319	Base outlet 150x150 mm, material thickness: 3 mm, outlet nozzles DN 100, incl. mesh grating		stainless steel	0.5 kg	



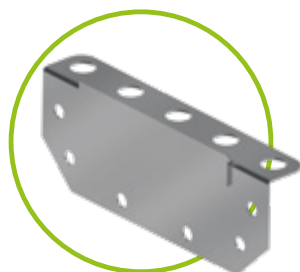
Mesh grating class C



COMBee design grating



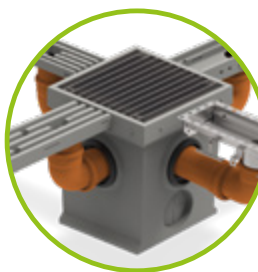
Plastic slotted grating



Front cap



Base outlet 150x150 mm



BG-FILCOTEN® spot-p



www.say.bg/en/spot-p

Send us your project!

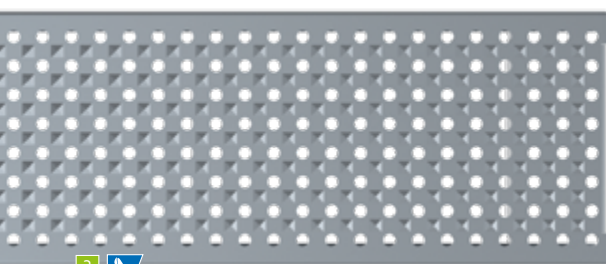
Our technical support will be happy to advise you and provide you with an overall quote for your project.

Robert Eder

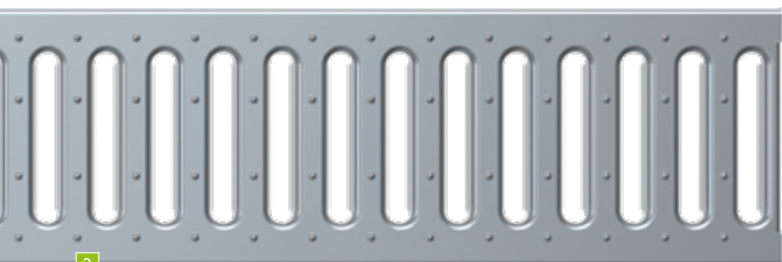
Phone: +43 6233/8900-0 / sales.int@bg-graspointner.com



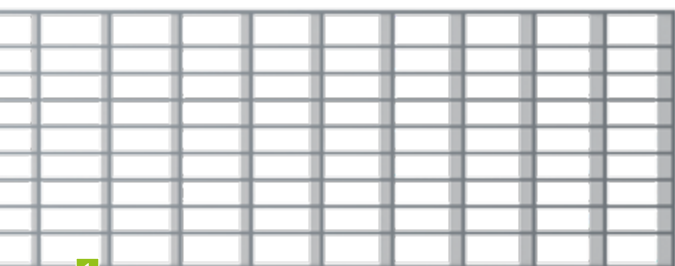
The gratings on the left are
beautiful & functional.
 On the right it's the **other way around.**



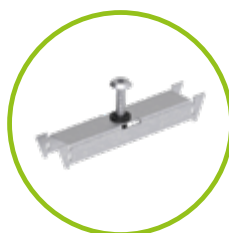
3



2



1



FA bolting-material set

BG-FLEX FA & FA glass & FA base

Gratings	SW, MW, Ø in mm	
1 Mesh grating ³⁾	MW 30/10	
2 Slotted grating	SW 9/80	
	SW 9/130	
3 Perforated grating	Ø 6	
4 Longitudinal bar grating ³⁾	SW 10	
5 Design-longitudinal bar grating	SW 6	

BG-FLEX TE

Gratings	SW, MW, Ø in mm	
6 Slot inlay	MW 8/8	

BG-FLEX TM

Gratings	SW, MW, Ø in mm	
7 Perforated grating	Ø 6	
8 Linear grating	SW 5	

BG-FLEX sigma tec

Gratings	SW, MW, Ø in mm	
9 COMBee design grating	Ø 7.3	
10 Plastic slotted grating	SW 8/40	
11 Mesh grating	MW 30/10	

¹⁾ Classes according to EN 1433:

A 15 kN | B 125 kN | C 250 kN
 D 400 kN | E 600 kN | F 900 kN

²⁾ Material:

V: Galvanised | E: Stainless steel | PA6: Polyamide plastic

³⁾ FA bolting-material set

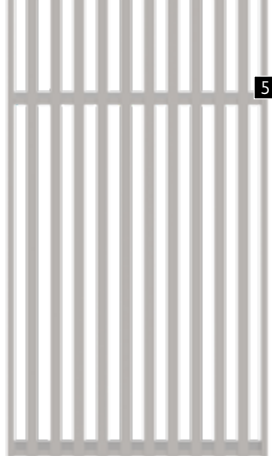
Optional attachment with bolting-material set



11



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Facade channels

	W 100	W 130	W 150	W 200	W 250	Class ¹⁾	Material ²⁾
	✓	✓	✓	✓	✓	walkable	V, E
		✓		✓		walkable	V, E
				✓		walkable	V, E
		✓		✓		walkable	V, E
	✓	✓	✓	✓		walkable	V, E
	✓	✓	✓	✓		walkable	E

Terrace slot channels

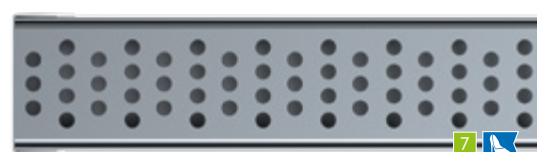
	NW 100	Class ¹⁾	Material ²⁾
	✓	walkable	E

Terrace channels

	W 60	Class ¹⁾	Material ²⁾
	✓	walkable	E
	✓	walkable	E

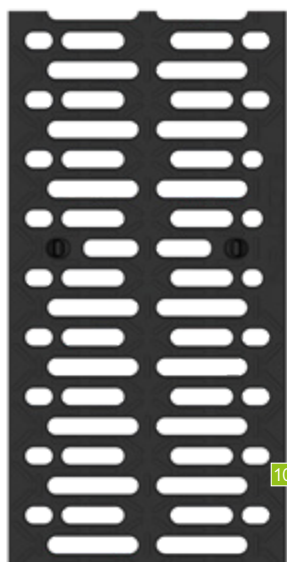
Drainage channel system

	NW 100	Class ¹⁾	Material ²⁾
	✓	B, C	PA6
	✓	B, C	PA6
	✓	C	E



www.say.bg/en/blacklabel_pdf

5 9 BG-BLACK LABEL
design line



Unsurpassed **stability** meets lasting **cost-efficiency.**

Traffic volume, and thus the burden on our roads, increases every year. Increasing truck traffic poses a major challenge to maintaining roadway stability. This means rising road maintenance costs and greater safety risks. Because road damage poses a dangerous accident hazard.

Safer and more durable: BG-ROAD LEFIX® shoulder slabs.

BG-ROAD LEFIX® shoulder slabs effectively stop this development, as their design prevents shoulder loosening, with a stable surface structure that affords easy steering correction. They reduce road shoulder wear so less maintenance is required, yielding lower maintenance cost. The 'rumbling' sound made when driven over the edge of the road alerts drivers, enhancing safety.

Abrasion-proof: Two-layer design

The shoulder slabs have concrete facing for a smooth, rust-resistant and abrasion-resistant top surface.

Safety-enhancing: Rumble effect

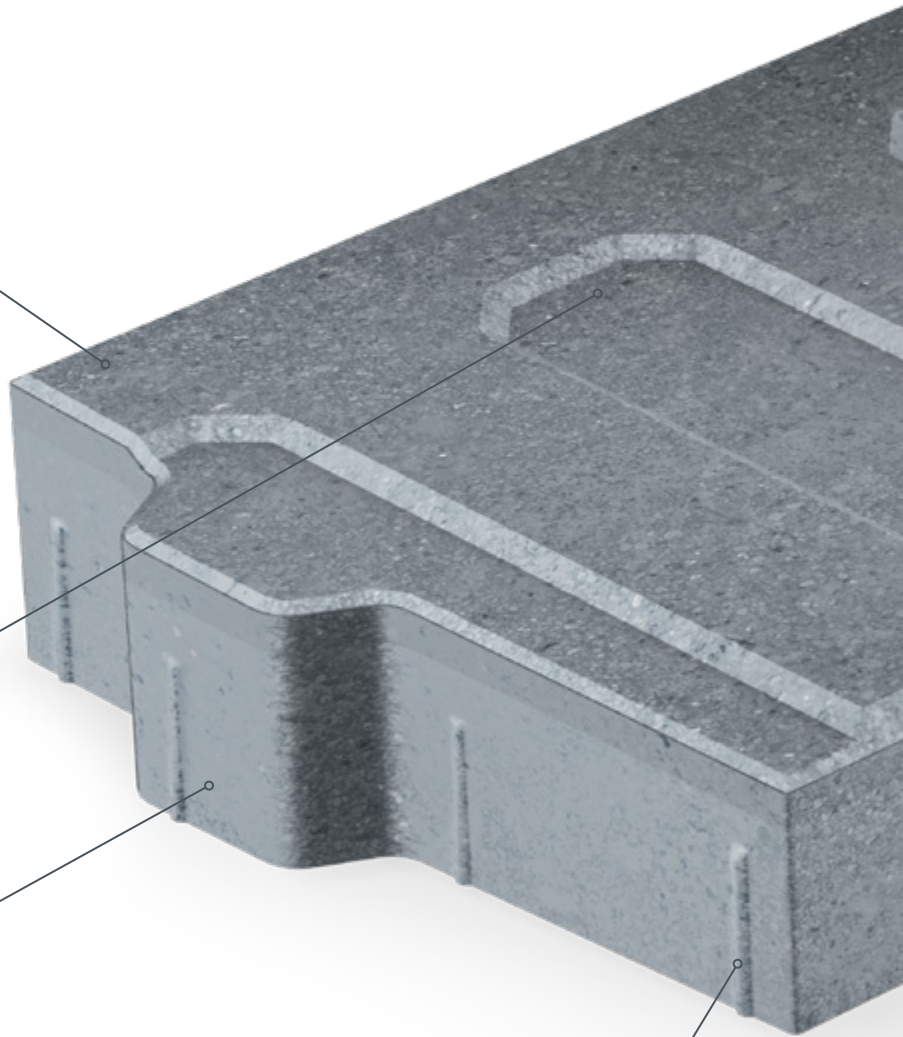
A grooved profile makes a rumbling noise when driven over, alerting drivers that they have reached the edge of the road.

Practical: Interlocking design

Frontal interlocking teeth make the slabs grip together so they cannot be displaced, affording easier installation as well.

Convenient: Spacing aid

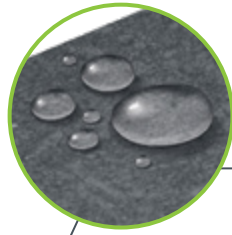
Spalling protection for transport and installation.



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BG-ROAD LEFIX[®]

Shoulder slab



Hydrophobic surface

For purchase quantities in excess of 500 linear metres, a full-surface, water-repellent impregnated finish can be applied to the shoulder slab surface.

Clean: Drainage grooves

The grooved profile controls the flow of surface water, thus avoiding the type of slab lifting that would otherwise typically occur.

THE ORIGINAL:

BG-ROAD LEFIX[®] shoulder slab

More informations at: www.say.bg/en/lefix

CE



Variable: Reflector post recess

An optional slot makes for easy installation and replacement of reflector posts.

The benefits at a glance:

- Laid together, the length-wise side of BG-ROAD LEFIX[®] slabs form a continuous border of support for the edge of asphalt roads
- Easy to lay, virtually maintenance-free
- Replaces shoulder gravel, keeping the road surface clear
- Greater traffic safety for lorries, cars and two-wheelers
- Designed for winter road services: 3% outward surface gradient

BG-FILCOTEN[®]

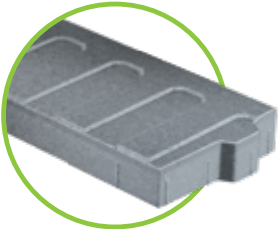
BG-CLASSIC

BG-FLEX

BG-ROAD

BG-ROAD LEFIX[®]

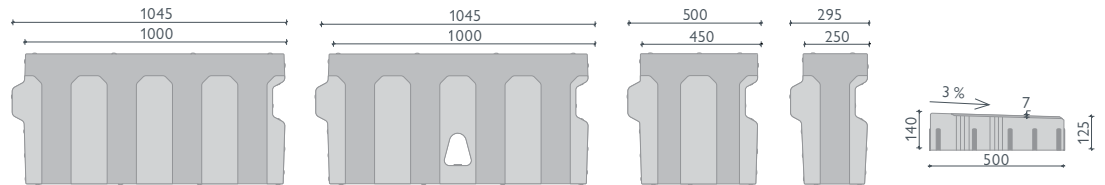
Shoulder slabs



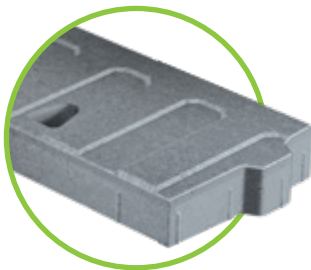
BG-ROAD LEFIX[®] shoulder slab BP 500 – grey

Shoulder slab made of concrete C 30/37

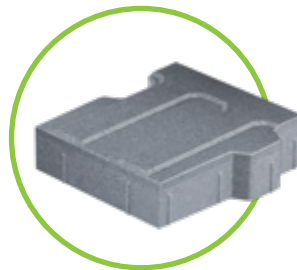
Item no.	Type	L/W in mm	Laying radius	Pcs./Pallet	Weight	Euro/pc.
57004	LEFIX [®] shoulder slab BP 500	1000/500	> 16 m	8	149.0 kg	
57000	LEFIX [®] shoulder slab BP 500 with recess ²⁾	1000/500	> 16 m	8	145.0 kg	
57006	LEFIX [®] shoulder slab BP 500	450/500	> 6 m ¹⁾	16	65.0 kg	
57008	LEFIX [®] shoulder slab BP 500	250/500	> 4 m ¹⁾	24	36.0 kg	
57045	LEFIX [®] shoulder slab BP 500, hydrophobic ³⁾	1000/500	> 16 m	8	149.0 kg	
57055	LEFIX [®] shoulder slab BP 500 with recess, hydrophobic ³⁾	1000/500	> 16 m	8	145.0 kg	
57046	LEFIX [®] shoulder slab BP 500, hydrophobic ³⁾	450/500	> 6 m ¹⁾	16	65.0 kg	
57047	LEFIX [®] shoulder slab BP 500, hydrophobic ³⁾	250/500	> 4 m ¹⁾	24	36.0 kg	



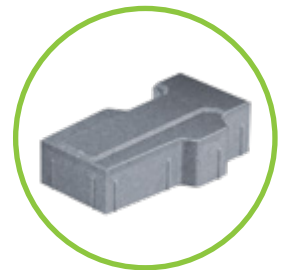
BP 500 with reflector post recess



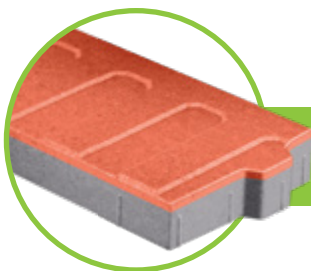
Reflector post slot



BG-ROAD LEFIX[®]
shoulder slab 450/500



BG-ROAD LEFIX[®]
shoulder slab 250/500



Our BG-ROAD LEFIX[®] shoulder slab is also available in colour, on request, for orders exceeding 500 linear metres.



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¹⁾ Data applies to internal radii.

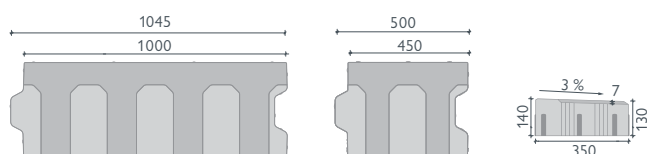
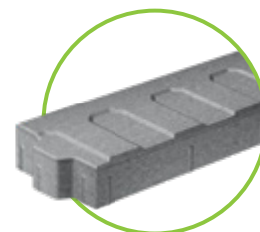
²⁾ Reflector post slot – 1 reflector post per slab.

³⁾ Contact us for delivery time and availability – min. order quantity 500 lfm.

BG-ROAD LEFIX® shoulder slab BP 350 – grey

Shoulder slab made of concrete C 30/37

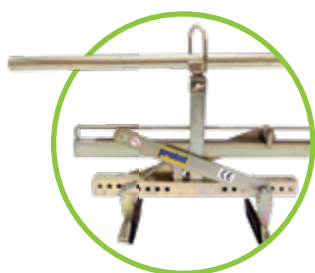
Item no.	Type	L/VV in mm	Laying radius	Pcs./Pallet	Weight	Euro/pc.
57001	LEFIX® shoulder slab BP 350	1000/350	> 16 m	12	107.0 kg	
57024	LEFIX® shoulder slab BP 350	450/350	> 6 m	12	48.0 kg	
57051	LEFIX® shoulder slab BP 350, hydrophobic ³⁾	1000/350	> 16 m	12	107.0 kg	
57052	LEFIX® shoulder slab BP 350, hydrophobic ³⁾	450/350	> 6 m	12	48.0 kg	



Accessories

for BG-ROAD LEFIX® shoulder slabs

Item no.	Type	Euro/pc.
80017	LEFIX® shoulder slab lifting grab, max. load capacity 250 kg, grabbing area: 55 – 535 mm	



Lifting grab for shoulder slab

References



Universal accessories



BG-sealing system

for channels with safety joint

Excel table to determine quantity, see www.say.bg/dicht-xls

Item no.	Conventional application areas	Package	Euro/pc.
31300	Sealant 1K – standard, concrete grey – brand: sikaflex Pro 3	600 ml/pouch	
31302	Undercoat / primer – brand: sikaflex Primer 3N	250 ml/can	
31206	Separation tape 9x2 mm	25 m/roll	
31203	Applicator gun 450 ml – 600 ml	pcs.	
Item no.	Specifically for areas with hazardous materials	Package	Euro/pc.
31301	Sealant 1K – special, concrete grey – brand: Sikaflex Tank N	600 ml/pouch	
31302	Undercoat / primer – brand: sikaflex Primer 3N	250 ml/can	
31206	Separation tape 9x2 mm	25 m/roll	
31203	Applicator gun 450 ml – 600 ml	pcs.	



80018 – BG Lifting grab for drainage-channel and cable trough

BG-lifting tools

for simple and easy lifting

Item no.	Lifting grabs	Load capacity	Opening width	Tare weight	Euro/pc.
80002	Lifting grab for manual laying	approx. 150 kg	0 – 400 mm	approx. 4.5 kg	
80018	Lifting grab for channels and cable troughs ¹⁾	approx. 250 kg	150 – 600 mm	approx. 18.0 kg	
80019	Lifting grab for channels and cable troughs ²⁾	approx. 600 kg	50 – 600 mm	approx. 29.0 kg	
80022	Lifting grab for BG-FILCOTEN® green, pro 400 BG-CLASSIC BGZ-S 300, 400 and 500 ³⁾	approx. 1,400 kg	50 – 780 mm	approx. 150.0 kg	
80023	Lifting grab for BG-FILCOTEN® green, pro 400 BG-CLASSIC BGZ-S 400 and 500 ⁴⁾	approx. 500 kg	390 – 415 mm	approx. 50.0 kg	
19110900	Lifting-hook for BG-FILCOTEN® one urban NW 100, blue, (2 pcs.)	45 kg		0.4 kg	
19115902	Lifting-hook for BG-FILCOTEN® one urban NW 150, red, (2 pcs.)	67 kg		0.5 kg	
19120902	Lifting-hook for BG-FILCOTEN® one urban NW 200, yellow, (2 pcs.)	95 kg		0.7 kg	
19115900	Lifting-hook for BG-FILCOTEN® one NW 150, green, (2 pcs.)	approx. 300 kg		1.9 kg	
19120900	Lifting-hook for BG-FILCOTEN® one NW 200, black, (2 pcs.)	approx. 300 kg		2.1 kg	
32160	Lifting loop for BG-FILCOTEN® spot HD, with M 10 thread, (2 pcs.)	perp. 0.8 to		0.06 kg	
80060	Lifting strap for BG-CLASSIC safety channels and BGZ-S (2 pcs.)	approx. 2,000 kg	strap length 4 m	approx. 3.2 kg	
82040	Strops M 12	500 kg		approx. 0.1 kg	

¹⁾ Grab attaches inside, suitable from NW 150.

²⁾ Grab attaches outside, suitable from NW 100.

³⁾ Grab attaches outside, suitable for NW 300, 400 and 500.

⁴⁾ Grab attaches inside, suitable for NW 400 and 500.





80002 – Lifting grab
for manual laying



80019 – Lifting grab
TSZ-uni for drainage-
channel and cable trough



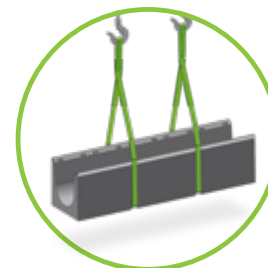
80022 – Lifting grab FTZ-Multi for
BG-FILCOTEN® green, pro 400 &
BG-CLASSIC BGZ-S NW 300 CH 615,
NW 400 and NW 500 (2.5 m)



80023 – Lifting grab for
BG-FILCOTEN® green, pro 400 &
BG-CLASSIC BGZ-S
NW 400 (1 m) / NW 500 (1 m)



Lifting hook for BG-FILCOTEN® one
19115900 – NW 150 (green) and
19120900 – NW 200 (black)



80060 – Lifting strap for
BG-CLASSIC: Safety channel
& BGZ-S heavy-duty channels



Please note that delivery times may be longer for these product groups!

Fields of application

Classification as per EN 1433

Load classes ¹⁾

Application areas



A 15

Traffic areas which are only used by pedestrians and cyclists and similar areas e.g. urban green and open spaces.



B 125

Pavements, pedestrian areas and comparable areas, car parks or car parking decks, garages, driveways.



C 250

Only applies to tops / drainage channels in the curbstone area which may extend 0.5 m into the carriageway and 0.2 m into the pavement, as measured from the curbside, and for roadsides not used by vehicles.



D 400

Carriageways of roads (including pedestrian zones), road verges, car parks and similar fortified thoroughfares.



E 600

Private thoroughfares which are used by vehicles with heavy wheel loads, e.g. routes for industrial



F 900

Areas which are used by especially heavy wheel loads, e.g. air traffic areas of commercial airports.

¹⁾ Load class in kN

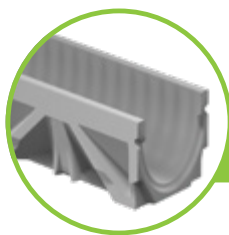
²⁾ Quality class U-A (certified by the Bautechnische Versuchs- und Forschungsanstalt Salzburg (bvfs)).

³⁾ meets the strict criteria of the Rosenheim Institute for Building Biology (IBR).

⁴⁾ No use of synthetic resins

Material description

Properties for material selection

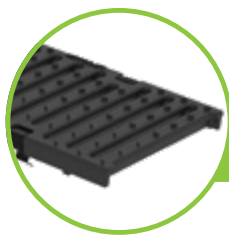


FILCOTEN® HPC

FILCOTEN® HPC (High Performance Concrete) is a material that combines excellent technical properties with sustainability. The optimised high-density micro-structure of the HPC allows the construction of drainage channels in a lightweight design with the same stability and load class as conventional concrete systems. FILCOTEN® HPC is unique when it comes to environmental friendliness thanks to the sparing use of raw materials and due to the fact that it is tested for hazardous materials⁴⁾ guaranteed as harmless in terms of the biological standards of construction, as IBR certified³⁾, 100 % recyclable²⁾.

- High-performance, 100 % mineral concrete (dense, low-capillary, optimised structure)
- High strength and frost resistant
- Fire protection class A1
- Expansion coefficient identical to concrete
- UV resistant
- Compressive strength far exceeding the requirements of EN 1433
- Low water absorption and penetration
- 100 % recyclable – quality class U-A²⁾
- IBR certified³⁾, free from: VOCs, styrol⁴⁾ and biozides, heavy metals, radioactivity

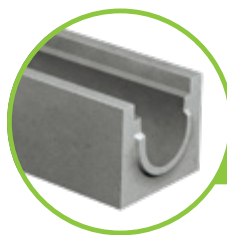
More about FILCOTEN® HPC is available on pages 6 and 11.



Ductile iron

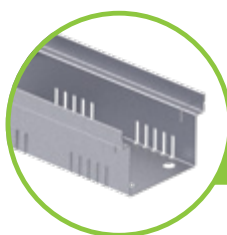
Ductile iron has a high level of resistance against aggressive media such as salt water. The “rust-brown” discolouration of the ductile iron is due to a natural oxidation process and provides protection against further oxidation. The so-called “rust” does not weaken the ground material and does not constitute a reason for a complaint.

For an extra charge, KTL-coated ductile iron grating can be supplied to delay the ingress of oxidation.



Conventional concrete

Production and monitoring of the quality requirements according to EN 1433 – monitored and certified according to ISO 9001.

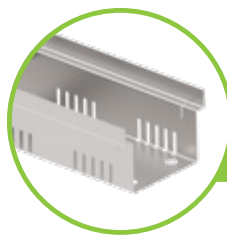


Galvanised steel

Steel elements in the channels systems are covered with a protective layer of zinc. To ensure lasting corrosion protection, this layer must itself be protected against mechanical and chemical damage.

Any contact with calcareous, cement-bound and especially gypsum-bound materials (e.g. mortar, plaster, jointing and smoothing compounds) or acetic-crosslinking sealing compounds can destroy or dissolve the protective zinc layer. Condensation also corrodes the protective layer, which results in the formation of white rust formation (corrosion of the zinc layer) – this is not a defect.

For aesthetic, especially complex surfaces, such as terraces, patios or on buildings, we recommend using stainless steel drainage channels and gratings.



Stainless steel

Contrary to popular belief, stainless steel can corrode. Base metals (in dust or chip form, for example) cause contact corrosion on stainless steel surfaces, forming „rust spots“. Therefore, we recommend storing our stainless steel channels and gratings in a dry place and sorted appropriately. Regular cleaning must be ensured in case of contact with de-icing salt. For our stainless steel edges and gratings, material no. 1.4301 (V2A) is used as standard. For areas susceptible to enduring impact from saline or chlorinated water, or other particularly aggressive environments, stainless steel grates can also be supplied for an extra charge that are manufactured using 1.4571 (V4A) material grade.

Hydraulics

Shallow channels

	up to class C 250 kN			up to class E 600 kN						
Channel type:	light mini 100	light mini 150	tec mini 100	pro mini 100		pro mini 150		pro mini 200		pro mini 300
Height:	55 mm	100 mm	80 mm	60 mm	80 mm	100 mm	120 mm	100 mm	120 mm	120 mm
Capacity (l/m)	3.5	8.0	4.0	2.3	4.0	8.3	11.3	11.0	14.9	19.5
Qmax (l/s)	0.3	1.9	0.7	0.2	0.5	0.9	2.3	1.5	2.2	1.5
Precipitation (l/s ha)	maximum area to be drained (m ²)									
200	15	95	35	10	25	45	115	75	110	75
250	12	76	28	8	20	36	92	60	88	60
300	10	63	23	6	16	30	76	50	73	50
350	8	54	20	5	14	25	65	42	62	42
400	7	47	17	5	12	22	57	37	55	37

BG-FLEX | Steel channels

	Facade channels (walkable and wheelchair-accessible)							up to class C 250 kN	
Channel type:	FA W 130			FA W 200		FA W 250		omega SW 16	sigma tec NW 100
Height:	50 mm	80 mm	180 mm	50 mm	90 mm	50 mm	90 mm	65 – 200 mm	50 mm
Capacity (l/m)	2.9	5.9	15.9	5.0	12.0	6.8	15.8	2.3 – 10.3	2.8
Qmax (l/s)	0.4	1.5	7.6	0.8	3.8	1.1	4.9	0.2 – 1.9	0.4
Precipitation (l/s ha)	maximum area to be drained (m ²)								
200	20	75	380	40	190	50	240	10 – 95	20
250	16	60	304	32	152	40	190	8 – 76	16
300	13	50	253	26	126	30	160	6.6 – 63	13
350	11	42	217	22	108	30	140	5.7 – 54	11
400	10	37	190	20	95	20	120	5 – 47	10

COMMENT: This average calculation of shallow and steel channels is based on a line length of 10 metres and free runoff for each channel type specified.
We will be pleased to draft an exact hydraulic calculation adapted to the local conditions for you at any time.

Channels without edges

	up to class C 250 kN									
Channel type:	light 100		light 150		Standard channel NW 100		Standard channel NW 150		Standard channel NW 200	
Height:	0	10-0	0	10-0	0	10-0	0	10-0	0	10-0
Capacity (l/m)	8.3	13.2	16.8	24.2	6.4	16.4	17.8	25.3	27.7	47.7
Qmax (l/s)	2.5	5.9	5.8	11.9	1.6	7.2	6.9	12.1	12.2	28.7
Precipitation (l/s ha)	maximum area to be drained (m ²)									
200	120	290	290	590	80	360	340	600	610	1430
250	100	230	230	470	60	280	270	480	480	1140
300	80	190	190	390	50	240	230	400	400	950
350	70	160	160	340	40	200	190	340	340	820
400	60	140	140	290	40	180	170	300	300	710

COMMENT: This average calculation is based on a line length of 20 metres and free run-out for each channel type specified.
We will be pleased to draft an exact hydraulic calculation adapted to the local conditions for you at any time.

BG-FILCOTEN® channels with edges

	up to class C 250 kN						up to class E 600 kN													
Channel type:	tec 100		tec 150		tec 200		pro 100			pro 150			pro 200			pro 300			pro 400	
Height:	0	10-0	0	10-0	H=195	0	0	10-0	20-0	0	10-0	20-0	0	10-0	20-0	0	10-0	20-0	0	30-0
Capacity (l/m)	8.9	13.9	19.8	27.2	25.1	35.0	8.3	12.5	16.5	20.4	26.5	31.8	35.7	43.7	50.8	72.8	85.3	95.9	140.0	200.0
Qmax (l/s)	2.6	5.9	7.9	15	11.1	21.3	2.5	5.3	10.1	9.6	17.1	25.5	21.0	33.4	46.7	49.4	72.1	96.5	146.0	269.0
Precipitation (l/s ha)	maximum area to be drained (m ²)																			
200	130	290	390	750	550	1060	120	260	500	480	850	1270	1050	1670	2330	2470	3600	4820	7300	13450
250	100	230	310	600	440	850	100	210	400	380	680	1020	840	1330	1860	1970	2880	3860	5840	10760
300	80	190	260	500	370	710	80	170	330	320	570	850	700	1110	1550	1640	2400	3210	4860	8960
350	70	160	220	420	310	600	70	150	280	270	480	720	600	950	1330	1410	2060	2750	4170	7680
400	60	140	190	370	270	530	60	130	250	240	420	630	520	830	1160	1230	1800	2410	3650	6720

BG-FILCOTEN® one urban | BG-FILCOTEN® one

	up to class D 400 kN			up to class F 900 kN			
Channel type:	one urban 100	one urban 150	one urban 200	one 150		one 200	
Height:	0	0	0	0	40-0	0	40-0
Capacity (l/m)	15.4	27.6	42.2	22.0	52.0	37.0	77.0
Qmax (l/s)	6.4	12.9	21.5	12.5	48.0	22.0	77.0
Precipitation (l/s ha)	maximum area to be drained (m ²)						
200	320	640	1070	625	2400	1100	3850
250	250	510	860	500	1920	880	3080
300	210	430	710	416	1600	730	2560
350	180	360	610	357	1370	620	2200
400	160	320	530	312	1200	550	1920



Our technical support service will be pleased to assist you and to provide you with a hydraulic calculation at any time: Phone: +43 6233/8900-0 / sales.int@bg-graspoinetner.com

Heavy duty channels

	up to class F 900 kN												
Channel type:	BGZ-S SV 100			BGZ-S SV 150			BGZ-S SV 200			BGZ-S SV 300		BGZ-S 400	BGZ-S 500
Height:	0	10-0	20-0	0	10-0	20-0	0	10-0	20-0	0	CH 700	0	0
Capacity (l/m)	8.9	13.9	18.9	20.0	27.5	35.0	35.7	45.7	55.7	80.3	148.2	138.0	210.0
Qmax (l/s)	2.7	5.5	9.0	8.4	13.8	20.2	18.2	26.8	36.5	53.3	145.0	110.0	191.0
Precipitation (l/s ha)	maximum area to be drained (m ²)												
200	130	270	450	420	690	1010	910	1340	1820	2660	7250	5500	9550
250	100	220	360	330	550	800	720	1070	1460	2130	5800	4400	7640
300	90	180	300	280	460	670	600	890	1210	1770	4830	3660	6360
350	70	150	250	240	390	570	520	760	1040	1520	4140	3140	5450
400	60	130	220	210	340	500	450	670	910	1330	3620	2750	4770

COMMENT: This average calculation is based on a line length of 20 metres and free run-out for each channel type specified.
We will be pleased to draft an exact hydraulic calculation adapted to the local conditions for you at any time.

General notes

The following installation guidelines and installation examples are intended for standard applications. The load class and the installation location in acc. with the EN 1433 standard will need to be adapted to the local conditions by the planner. The technical rules and regulations generally recognised in expert circles must be observed during installation. In special cases, contact the BG applications engineering department.

BG-FILCOTEN® channel and grate systems

1. BG-FILCOTEN® HPC channels are installed on a concrete foundation in compliance with EN 206-1 or in microfine concrete in compliance with RVS 08.18.01 whilst also accounting for the channel gradient when excavating. Each channel is marked with an arrow showing the direction of flow – see the table and sectional drawings for details. The channel elements should only be installed with suitable tools (e.g. BG lifting grab).

2. For the traffic-safe fitting of the gratings, depending on the area of application, we recommend using gratings with a quick-locking system or with locking- or fiX-clips. According to EN 1433 from cl. D 400 kN there is to use preferably a locking device e.g. bolting material.

3. The rebated joint between the channel bodies can be sealed and cemented with appropriate sealing compounds – for description of material and quantity calculation see BG sealing system – www.say.bg/en/sealingkit_pdf.

4. Before making the adjacent cover layer, make sure that the gratings are inserted and if necessary fixed, or the channels are braced adequately against compression. Avoid damaging the channels while compacting the superstructure and the pavement (asphalt, pavement, concrete, etc.).

5. In the event of horizontal forces (e.g. areas of concrete, slopes, etc.) it is necessary to provide a sufficiently sized running joint in the area of the carriageway edge at a distance of 30 – 150 cm to the channel. In the adjacent concrete area, expansion joints which cross the channel run must be positioned so that they run through a channel joint.

6. To prevent uncontrolled stress cracks in a concrete stretcher along a channel run, preformed crack and/or expansion joints must be added at regular intervals, according to recognised technical rules or the specification of a static calculation. These joints should be added at right angles (along the channel section) to the channel element joints. The number of joints and their spacing also depend, for example, on the concrete quality used as well as the ambient temperatures that exist when pouring the concrete, and also on the concrete curing, and should be carried out accordingly.

7. When shear forces occur, pavements must be force-locked to the supporting wedge. This can be done by setting the first three rows of paving (next to the channel run) in a mortar bed. The joints must be backfilled with mineral materials. Shear forces created by the paving surface must not act directly on the channel walls (e.g. thermal expansion, braking forces, etc.). The respective technical guidelines for the creation of paved surfaces, in bound or unbound construction, must be observed accordingly.

8. All adjacent surface layers should always be 3 – 5 mm higher than the surface of the channel to avoid mechanical damage to the channel elements and to ensure the water can drain away.

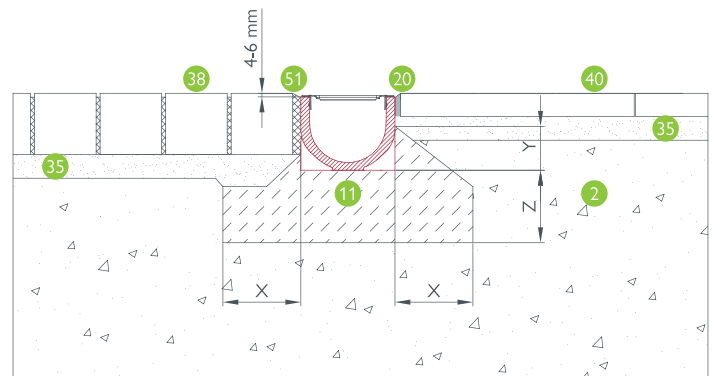
9. In areas where chemical ingress (e.g. de-icing salts, acids, bases, etc.) can be expected, we recommend installing drainage channels with stainless steel edges and to use gratings out of high quality stainless steel.

10. Channel-grating-systems (box channels) are not suitable to use across the carriageway on motorways and highways.

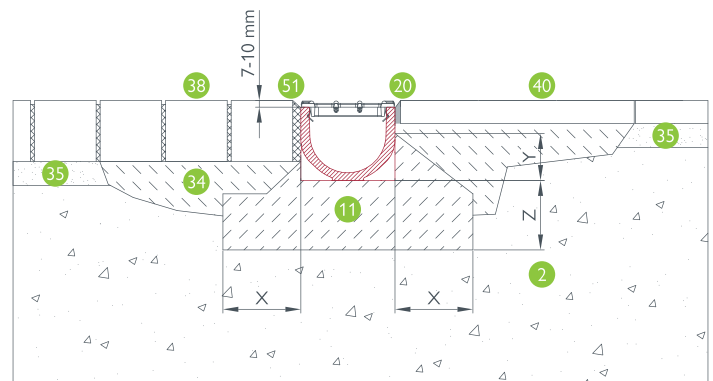
11. The channel system must be inspected at regular intervals (at least. 1x per year) for contamination and its functioning, and cleaned if necessary, especially the sump unit with silt bucket.



The installation instructions also apply to sump units.



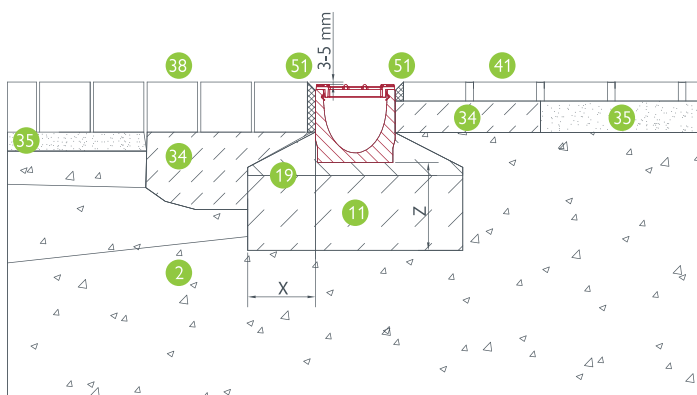
BG-FILCOTEN® self, NW 100: pavement – pavement covering, cl. A



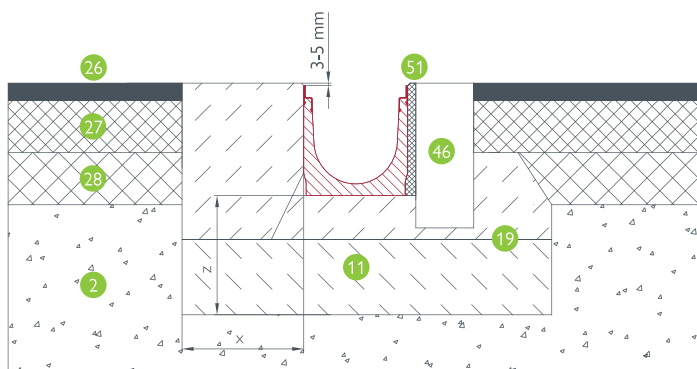
BG-FILCOTEN® self, NW 100: pavement – pavement covering, cl. B

Load Class	A 15 kN	B 125 kN	C 250 kN	D 400 kN	E 600 kN
concrete quality – foundation acc. to EN 206-1 *	C 16/20	C 20/25	C 20/25	C 25/30	C 25/30
Width: X	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm
Height: Y	Channel height – 5 cm (mini – 3 cm)			Channel construction height	
Thickness: Z	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm
constr. reinforcement	not required				required

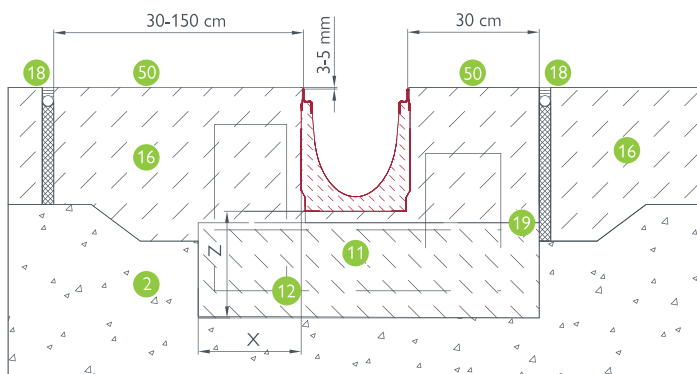
*Concrete quality is a minimum requirement which is to be adapted to the local requirements.



BG-FILCOTEN® light NW 100: pavement – pavement covering, cl. A – C



BG-FILCOTEN® tec NW 100: asphalt – stretcher brick, cl. C



BG-FILCOTEN® pro NW 100: concrete – concrete, cl. D – E

Key

- 2 load-bearing gravel layer
- 11 concrete foundation acc. to static calculations
- 12 class E: structural reinforcement
- 16 concrete pavement
- 18 expansion joint
- 19 working joint
- 20 permanently elastic seal
- 26 surface course
- 27 binder course
- 28 base course
- 34 mortar bed
- 35 grit bed
- 38 paving stones
- 40 paving
- 41 tile covering
- 46 stretcher paving or concrete stretcher
- 50 transversal-concealed joint each 6 m at channel joints alternatively structural reinforcement
- 51 cavity-free joint sealing

BG-FILCOTEN® one opa, one & one urban

1. BG-FILCOTEN® one channels are installed on a concrete foundation in compliance with EN 206-1 or in microfine concrete in compliance with RVS 08.18.01. A mortar bed (at least 2 cm thick) is imperative if the internal bottom surface of the channel is cured. Depending on the structural requirements, a support wedge is required along the side of the channel or steel reinforcers – see table and sectional drawings for details.

2. Begin by setting up the channel run at the outlet unit, ensuring that the lower part of the outlet unit is at the right height and position to connect with the sewer pipe and the channel run. If there are several outlet units in one channel run, the lower parts of the outlet units must be installed particularly carefully at the right height and position.

3. The two front sides of a downstream channel element can be connected to the upstream element as the tongue/groove/tenon system allows for any flow direction. As a result, there is no flow direction arrow on the channels.

4. We recommend using the plug-in sealing profile on the channel element butt joints. The channel joints can also be sealed with conventional sealing materials (e.g. 1-component PU-based sealing materials) during the alignment work – for a description of the materials and the quantities required, see BG-Sealing System – www.say.bg/en/sealingkit_pdf.

5. Before the surface layer is connected, the channel run should be protected – using e.g. protective plastic sheeting – to guard against dirt or soiling. Avoid damaging the channels while compacting the superstructure and the pavement (asphalt, pavement, concrete).

6. In the event of horizontal forces (e.g. areas of concrete, slopes, etc.), it is necessary to provide a sufficiently sized expansion joint in the area of the carriageway edge at a distance of 30 – 150 cm to the channel run (Exception: monolithic channels used in urban areas up to class D 400). Care must be taken to ensure that no forces whatsoever that may result from a temperature expansion (concrete and/or paved surfaces) can impact the channel walls. Expansion joints must be provided and installed accordingly. The same applies to cement-stabilised base layers in the superstructure. The selected joint fillers must be made of a suitable material. Expansion joints running transversely to the channel run are to be arranged in the adjacent concrete surfaces so that they run through a channel joint.

7. To prevent uncontrolled stress cracks occurring in a concrete stretcher along a channel run, either preformed crack and/or expansion joints must be added at regular intervals (in accordance with recognised technical rules) or a static calculation must be performed, depending on the stipulations. These joints should be added at right angles (along the channel section) to the channel element joints. The number of joints and their spacing also depend, for example, on the concrete quality used as well as the ambient temperatures that exist when pouring the concrete, and also on the concrete curing, and should be carried out accordingly.

8. Paved surfaces with a potential to be subject to shear forces must be force-locked to the support wedge. This can be accomplished by setting the first three rows of paving slabs (along the channel run) in a

mortar bed. The joints must be backfilled with mineral materials. Shear forces from the paving must not act directly on the channel walls (e.g. thermal expansion, braking forces, etc.).

The respective technical guidelines for the creation of paved surfaces, in bound or unbound construction, must be observed accordingly.

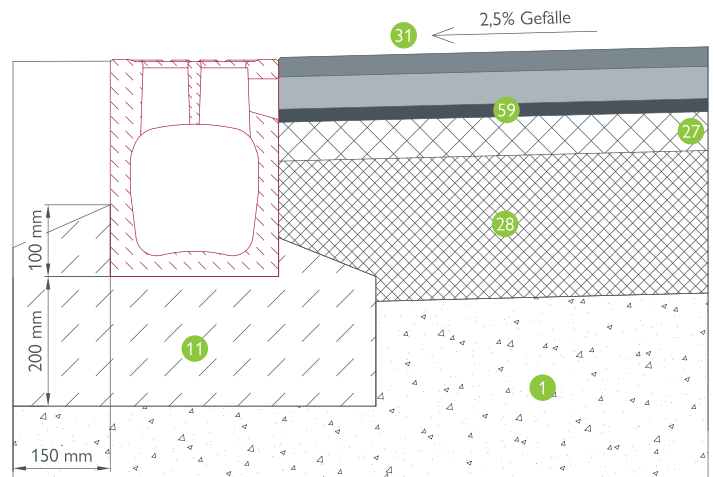
9. All adjacent covers should permanently run 3-5 mm higher should always be higher than the surface of the channel/grating to avoid mechanical damage (e.g. snow clearing) and to guarantee the water drainage.

10. The same installation guidelines apply accordingly to inspection and sump unit components, incl. the underparts.

11. The channel system must be inspected at regular intervals (at least. 1x per year) for contamination and its functioning, and cleaned if necessary – especially the sump unit with silt bucket.



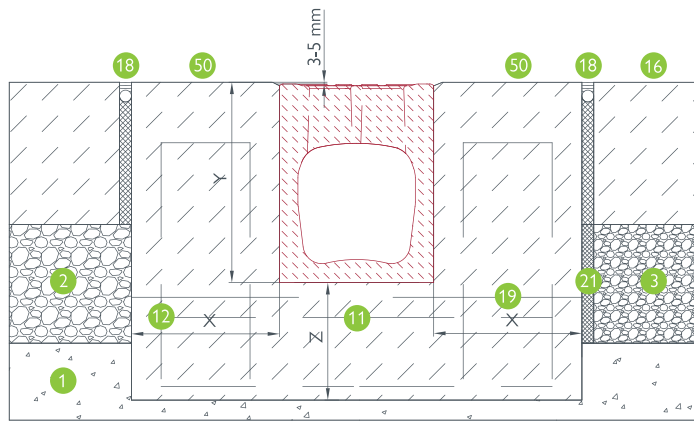
The installation drawings are generally applicable examples. Details and further information is available on our website at www.bg-graspointner.com. In the case of different installation situations, contact our application engineers directly.



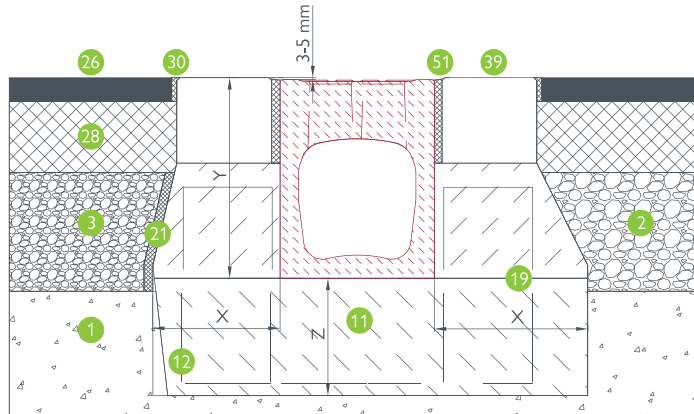
BG-FILCOTEN® one opa, NW 200: two-layer, open-pored asphalt, cl. D

Load Class	A 15 kN	B 125 kN	C 250 kN	D 400 kN	E 600 kN
concrete quality – foundation acc. to EN 206-1 *	C 16/20	C 20/25	C 20/25	C 25/30	C 25/30
Width: X	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm
Height: Y	Channel height – 5 cm (mini – 3 cm)			Channel construction height	
Thickness: Z	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm
constr. reinforcement	not required				required

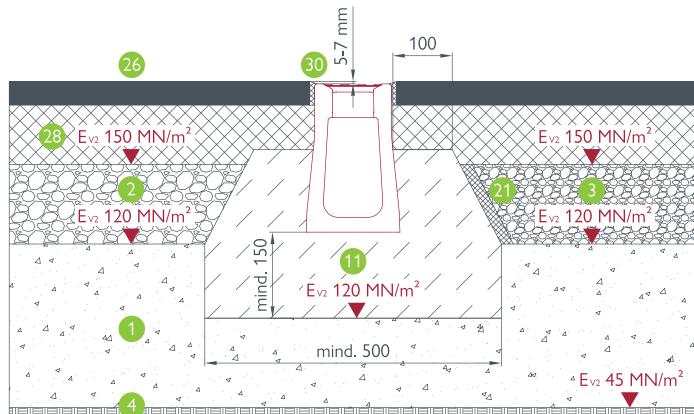
*Concrete quality is a minimum requirement which is to be adapted to the local requirements. Class F 900 is to be clarified with our application engineers on request.



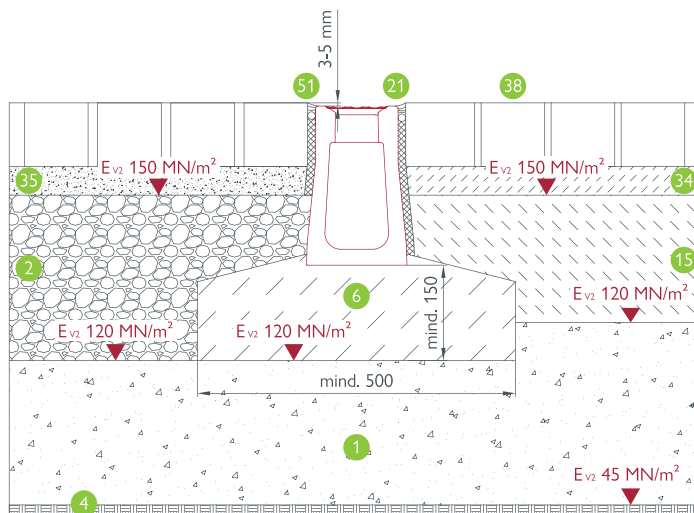
BG-FILCOTEN® one, NW 150: concrete – concrete, cl. D – F



BG-FILCOTEN® one, NW 150: asphalt – asphalt, cl. D – F



BG-FILCOTEN® one urban, NW 100: asphalt – asphalt, cl. A – D, urban area, medium wheel loads



BG-FILCOTEN® one urban, NW 100: pavement – pavement, cl. A – D

Key

- 1 frost protection layer
- 2 load-bearing gravel layer
- 3 cement-stab. gravel layer
- 4 subgrade level
- 6 concrete bed
- 11 concrete foundation acc. to static calculations
- 12 class E: structural reinforcement
- 15 drainage concrete
- 16 concrete pavement
- 18 expansion joint
- 19 working joint
- 21 expansion joint
- 26 surface course
- 27 binder course
- 28 base course
- 30 bituminous sealing tape
- 31 open-pored asphalt
- 34 mortar bed
- 35 grit bed
- 38 paving stones
- 39 large-size paving stone
- 50 transversal-concealed joint each 6 m at channel joints alternatively structural reinforcement
- 51 cavity-free joint sealing
- 59 mastic asphalt

BG-FILCOTEN®

BG-FILCOTEN® parkline

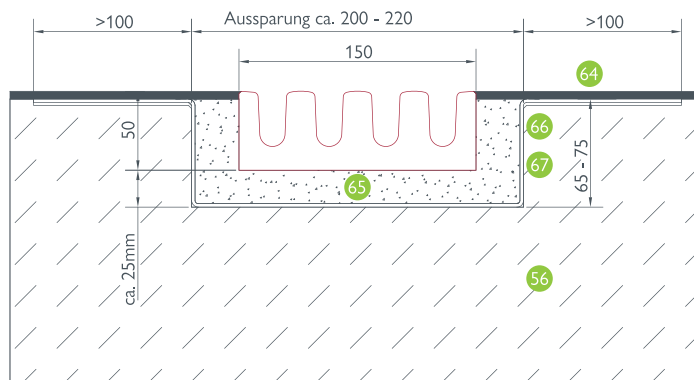
1. BG-FILCOTEN® parkline is installed in a recess over an on-site structure seal – in accordance with the listed surface finishing system.
2. Begin by laying the channel runs from the junction to the outlet.
3. The channels are set in the desired position using earth-moist concrete (at selected points) and are then infilled with grouting mortar – see sectional drawings for details.
4. The rebated joints between the channel bodies can be sealed or caulked using appropriate sealing compounds – for a description of the material and quantity calculation, see BG-Sealing System – www.say.bg/en/sealingkit_pdf.
5. All adjoining coverings should slope towards the channel runs in order to ensure the water drainage.
6. In areas in which higher exposure to chemical substances (e.g. de-icing chemicals, acids, bases, etc.) is to be expected, we recommend cleaning the channel runs and rinsing them with clean water sufficiently often.



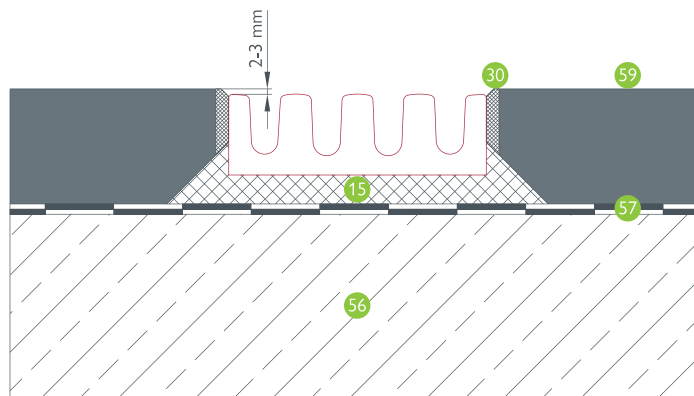
The installation drawings are generally applicable examples. Details and further information is available on our website at www.bg-graspointner.com. In the case of different installation situations, contact our application engineers directly.

Load Class	A 15 kN	B 125 kN	C 250 kN	D 400 kN	E 600 kN
concrete quality – foundation acc. to EN 206-1 *	C 16/20	C 20/25	C 20/25	C 25/30	C 25/30
Width: X	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm
Height: Y	Channel height – 5 cm (mini – 3cm)			Channel construction height	
Thickness: Z	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm
constr. reinforcement	not required				required

*Concrete quality is a minimum requirement which is to be adapted to the local requirements. Class F 900 is to be clarified with our application engineers on request.



BG-FILCOTEN® parkline, NW 150: concrete, coated, cl. A – C



BG-FILCOTEN® parkline, NW 150: cast asphalt, cl. A – C

Key

- 15 drainage concrete
- 30 bituminous sealing tape
- 56 steel-reinforced concrete surface
- 57 bituminous sealing layer
- 59 mastic asphalt
- 64 coating according to planner requirements, e.g. OS11b – approx. 4 – 5 mm
- 65 grouting mortar
- 66 primer
- 67 building sealing with fleece reinforced

BG-FILCOTEN®

General notes

The following installation guidelines and installation examples are intended for standard applications. The installation location, as prescribed by EN 1433, must be adapted to the local conditions by the planner. The technical rules and regulations generally recognised in expert circles must be observed during installation. In special cases, contact the BG applications engineering department.

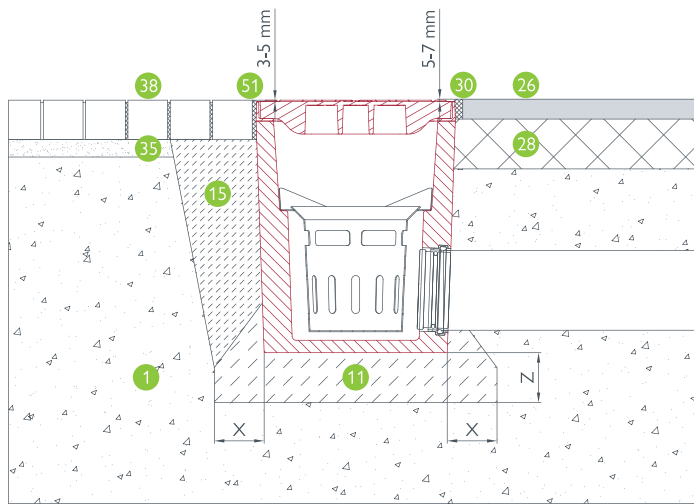
BG-FILCOTEN® spot HD

1. BG-FILCOTEN® spot HD yard drainage is set on an approx. 10 cm thick concrete foundation in compliance with EN 206-1 or in microfine concrete in compliance with RVS 08.18.01. A mortar bed (at least 2 cm thick) is imperative if the internal bottom surface of the channel is cured. A lateral supporting wedge is recommended if installing on asphalt.
2. All adjacent cover layers should always be installed 3 – 5 mm (for asphalt: 5 – 7 mm) above the surface of the yard drainage to avoid mechanical damage (e.g. through snow removal and to ensure that water can drain off zu gewährleisten).
3. Take note of the height of the yard drainage and begin by adjusting the sewage pipes to the outlet when setting.
4. Backfill and seal all sides evenly after setting the yard drainage in the correct position.
5. Insert the grating before creating the adjacent floor covering surface. Avoid damaging the yard drainage while compacting the superstructure and the pavement (asphalt, pavement, concrete, etc.).
6. When shear forces occur, pavements must be force-locked to the supporting wedge. This can be accomplished by setting the first three rows of paving slabs (along the yard drainage) in a mortar bed. The joints must be backfilled with mineral materials. Shearing forces on the paving surface should not act directly on the yard drainage (e.g. thermal expansion, braking forces, etc.).

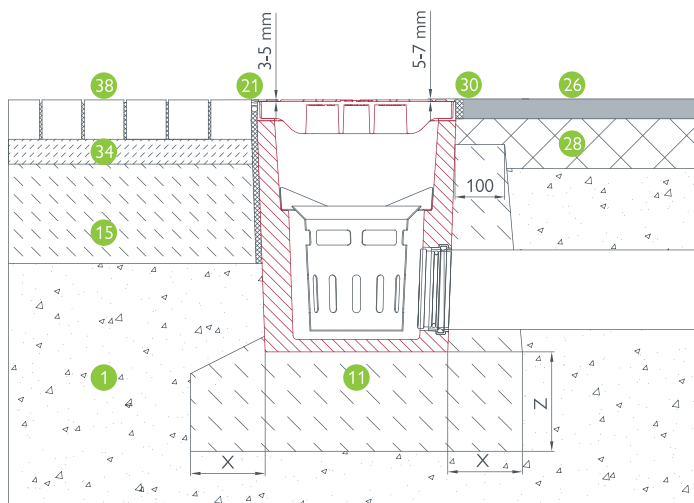
Load Class	A 15 kN	B 125 kN	C 250 kN	D 400 kN	E 600 kN
concrete quality – foundation acc. to EN 206-1 *	C 16/20	C 20/25	C 20/25	C 25/30	C 25/30
Width: X	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 15 cm	≥ 15 cm
Thickness: Z	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm
constr. reinforcement	not required				required

*Concrete quality is a minimum requirement which is to be adapted to the local requirements.

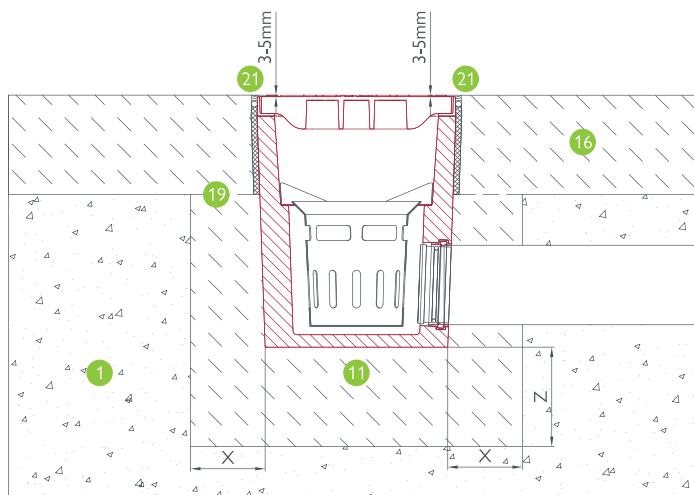
Technical information



pavement – asphalt: cl. A – C



pavement – asphalt: cl. D – E



concrete – concrete: cl. D – E

Key

- 1 frost protection layer
- 11 concrete foundation acc. to static calculations
- 15 drainage concrete
- 16 concrete pavement
- 19 working joint
- 21 expansion joint
- 26 surface course
- 28 base course
- 30 bituminous sealing tape
- 34 mortar bed
- 35 grit bed
- 38 paving stones
- 51 cavity-free joint sealing

General notes

The following installation guidelines and installation examples are intended for standard applications. The load class and the installation location in acc. with the EN 1433 standard will need to be adapted to the local conditions by the planner. The technical rules and regulations generally recognised in expert circles must be observed during installation. In special cases, contact the BG applications engineering department.

BG-CLASSIC® Type M channels

1. BG-CLASSIC channels Type M (standard channel, BGZ-S) are set in a concrete foundation according to EN 206-1 or in microfine concrete according to RVS 08.18.01, whereby it is necessary to take account of the slope of the channel when excavating. Each channel is marked with an arrow showing the direction of flow – see the table and sectional drawings for details. The channel elements should only be installed with suitable tools (e.g. BG lifting grab).

2. For the traffic-safe fitting of the gratings, depending on the area of application, we recommend using gratings with locking (quick-locking or fixing clips, SV). In accordance with EN 1433, a locking device (e.g. bolting material, quick-locking system) should be used for class D 400 kN and upwards.

3. The rebated joint between the channel bodies can be sealed and cemented with appropriate sealing compounds – for description of material and quantity calculation see BG sealing system – www.say.bg/en/sealingkit_pdf.

4. Before making the adjacent cover layer, make sure that the gratings are inserted and if necessary fixed, or the channels are braced adequately against compression. Avoid damaging the channels while compacting the superstructure and the pavement (asphalt, pavement, concrete, etc.).

5. Where horizontal forces occur (e.g. in concrete surfaces, slopes, etc.), a sufficiently sized running joint needs to be constructed near the edge of the carriageway at a distance of 30 – 150 cm to the channel. In the adjacent concrete areas, expansion joints which cross the channel run must be positioned so that they run through a channel joint.

6. To prevent uncontrolled stress cracks in a concrete stretcher along a channel run, preformed crack and/or expansion joints must be added at regular intervals, according to recognised technical rules or the specification of a static calculation. These joints should be added at right angles (along the channel section) to the channel element joints. The number and spacing of joints also depend on the quality of the concrete and the ambient temperatures during concreting – as well as the concrete after treatment – and should be carried out according to specification.

7. When shear forces occur, pavements must be force-locked to the supporting wedge. This can be done by setting the first three rows of paving (next to the channel run) in a mortar bed. The joints must be backfilled with mineral materials. Shear forces created by the paving surface must not act directly on the channel walls (e.g. thermal expansion, braking forces, etc.). The respective technical guidelines for the creation of paved surfaces, in bound or unbound construction, must be observed accordingly.

8. All adjacent surfaces should always be 3 – 5 mm higher than the surface of the channel/grating to avoid mechanical damage occurring in the channel elements (e.g. snow clearing) and to guarantee the drainage of water.

9. Channel-grating-systems (box channels) are not suitable to use across the carriageway on motorways and highways.

10. The channel system must be inspected at regular intervals (at least 1x per year) for contamination and its functioning, and cleaned if necessary, especially the sump unit with silt bucket.

BG-CLASSIC® Type I channels

1. The installation of BG-CLASSIC type I channels (BIG I, BIG TANK) is carried out a concrete equalising layer. We recommend building a concrete foundation in the load-bearing gravel layer as this will allow irregularities to be compensated for when sealing the top layer.

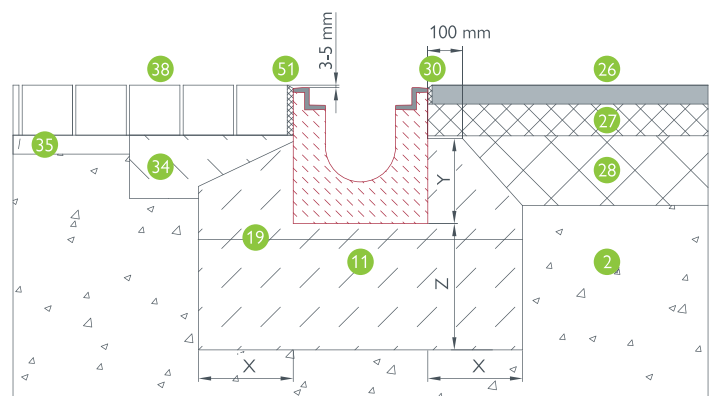
Stages 2-10 outlined in the Type M installation guidelines apply accordingly to Type I channels.

See table for dimensions. Type I channels do not require a supporting wedge/backrest – a load joint element is recommended, however.



All installation details concerning BG-CLASSIC Type I channels can be clarified with our technical engineers on request.

The installation instructions also apply to sump units.



Paving: class A – D | BG-CLASSIC BGZ-S, NW 100 | asphalt: cl. A – D

Load Class	A 15 kN	B 125 kN	C 250 kN	D 400 kN	E 600 kN
concrete quality – foundation acc. to EN 206-1 *	C 16/20	C 20/25	C 20/25	C 25/30	C 25/30
Width: X	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm
Height: Y	Channel height – 5 cm (mini – 3cm)			Channel construction height	
Thickness: Z	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm
constr. reinforcement	not required				required

*Concrete quality is a minimum requirement which is to be adapted to the local requirements. Class F 900 is to be clarified with our application engineers on request.



- 1 frost protection layer
- 2 load-bearing gravel layer
- 3 cement-stab.
gravel layer
- 4 Subgrade level
- 6 concrete bed
- 11 concrete foundation acc.
to static calculations
- 16 concrete pavement
- 18 expansion joint
- 19 working joint
- 26 surface course
- 27 binder course
- 28 base course
- 30 bituminous sealing tape
- 34 mortar bed
- 35 grit bed
- 38 paving stones
- 51 cavity-free joint sealing

The diagrams illustrate the construction of a 101-unit bridge deck with various outlet configurations. The top row shows the basic unit layout: a 'Front cap' followed by units 0 through 10, then a 'Sump unit (or end cap) with outlet'. Below this, three specific unit types are detailed: '101, no. 0 with outlet opening', '101, no. 5-0 with outlet opening', and '101, no. 10-0 with outlet opening'. The middle row shows two bridge deck configurations. The left configuration, labeled '101, no. 10-0 with outlet opening', shows a deck with units 6 through 10 on both sides of a central outlet. The right configuration, labeled 'Sump unit with outlet', shows a deck with units 6 through 10 on both sides of a central sump unit. The bottom row shows two more configurations. The left one shows a deck with units 0 through 10 and a 'Front cap' at the left end. The right one shows a deck with units 0 through 10, a 'Front cap' at the left end, and an 'End cap with outlet' at the right end.

BG-FLEX FA and glass facade channels

Norm requirements for facade channels

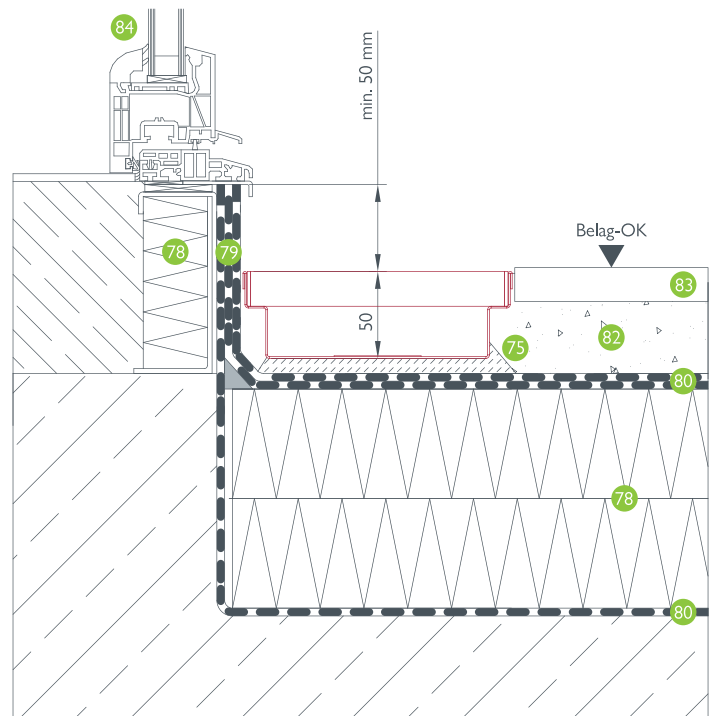
Perform the connections to the components and/or doors in compliance with the guidelines for flat roofs or 18531-5 This will typically also require allowing for seal connection heights of 15 cm. The connection height can be reduced to 5 cm if a drainage channel with direct access to the drainage is planned for in front of the door/window elements.

If the splash load is not minimised through the use of a canopy, drainage channels with a minimum width of 150 mm should be used.

Barrier-free transitions are a special waterproofing solution that may only be used after prior consultation with the planner, door manufacturer and contractor.

Channel sizing in acc. with DIN 18531-5 and/or guidelines for flat roofs

min. width of the channel in mm	min. height of the channel in mm	min. height above covering in mm	Recommended product
With canopy protection			
N/A	N/A	50	FA width 100, construction height 50
No canopy protection			
150	N/A	50	FA width 150, construction height 50



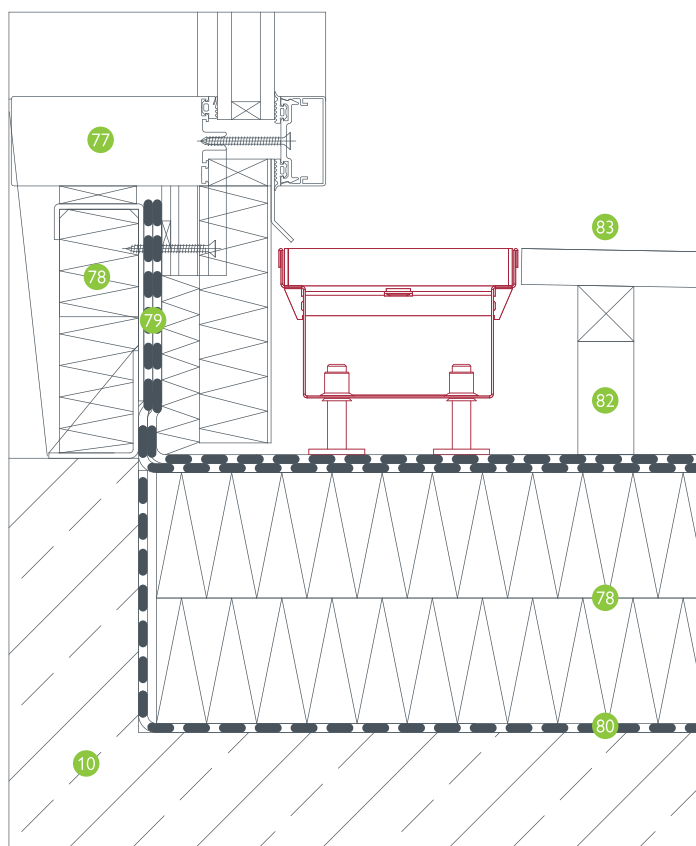
BG-FLEX FA facade channel, width 150 – terrace door



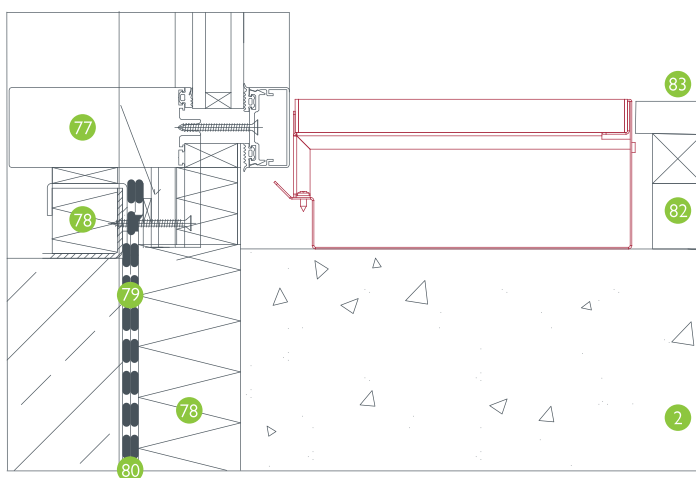
For detailed questions, our technical department will be pleased to assist you. Please do not hesitate to contact us!



NOTE: Galvanised channel elements must not be laid on fresh lime or cement mortar and not grouted with acetic silicone in order to prevent increased corrosion.



BG-FLEX FA facade channels, width 130 – glass facade



BG-FLEX glass facade channel, width 200 – glass facade

Key

- 2 load-bearing gravel layer
- 10 concrete foundation
- 75 levelling layer
- 77 facade construction
- 78 thermal insulation
- 79 minimum connection height acc. to SIA 271
- 80 sealing foil
- 82 sub-construction acc. to planner: such as pedestal-supported terrace decking
- 83 covering: e.g. wooden decking
- 84 door construction

A) BG-FLEX omega

B) BG-FLEX sigma tec

1) A+B The following BG installation and maintenance guidelines and installation examples are provided for standard applications. The load class and the installation location in acc. with the EN 1433 standard will need to be adapted to the local conditions by the planner. The generally recognised technical rules and regulations must be observed. In special cases, please contact the BG Technical Support team.

2.1) A+B A recess in accordance with the installation examples must be provided to be able to create epoxy resin grouting, or the channel will be concreted with the base plate.

2.2) A+B The channel elements should be laid according to the laying plan/installation instructions in the designated location and rotated correctly to be able to establish a sealed flange connection – attention should be paid to the equal size/height of the flanges.

2.3) A First, the pipe nozzles/outlet piece has to be connected to the sewer and levelled in height with the lower nut of the feet (do not tighten the second nut yet) – channel edge approx. 1 – 1.5 mm below the level of the finished floor.

2.3) B First, the pipe nozzles/outlet piece have to be connected to the sewer and levelled in height with the lower nut of the supports (do not tighten the second nut yet) – the channel edge provides the level of the finished floor. If a sump pit frame or a sump pit basin is used (instead of connection to the sewer), place this over the sump pit first and level accordingly.

2.4) A+B Clean the flanges of the channel elements thoroughly (dirt must be removed) and bolt together including the seal – the bolt material is included in the scope of delivery as standard.

2.5) A+B When bolting the flanges, take care to ensure the exact orientation of the channel run (plumb line, scale beam).

2.6) A+B Once the entire run is aligned and levelled, it must be secured against slipping by concreting or grouting – to this end, tighten the second nut on the feet from above and dowel them or set them in concrete locally.

2.7) A+B We recommend covering the channel with pour protection to avoid concrete spills on the channel surface (e.g. by masking).

2.8) A During concreting or grouting, a spacer which later creates the groove for a high elasticity joint between the channel wall and the floor must be inserted.

2.8) B The perforated flange plate must be evenly concreted/grouted.

2.9) A+B When applying the grouting, care must be taken to ensure that it fully encloses the external contour of the channel, without forming bubbles. The channel must lie 100% flat. Otherwise the channel body may deform under loading at a later point.

2.10) A+B When pouring and moving the concrete, take care that the position and shape of the channel body does not change.

3) A We recommend creating a maintenance joint between the BG-FLEX omega channel and the carriageway connection. The maintenance joint should be installed using a high elasticity sealant. Apply coating in accordance with the coating manufacturer's specifications.

4) A all adjoining covering surfaces should be permanently approx. 1-1.5 mm higher than the surface of the channel in order to ensure the proper water drainage.

5) A+B Cleaning and maintenance work: In areas in which higher exposure to chemical substances (e.g. de-icing chemicals, acids, bases, etc.) is to be expected, we recommend cleaning the channel regularly in order to prevent deposits.

BG-FLEX stone

The extractable stone pan can be fitted with terrace tiles or pavers on site. It can be extracted anytime for cleaning. The support brackets for the stone pan can be fitted in either 20 or 30 mm according to the thickness of the tiles, pavement. The channel body features a one-sided chamferig to be able to install the channel next to an upright wall or parapet.

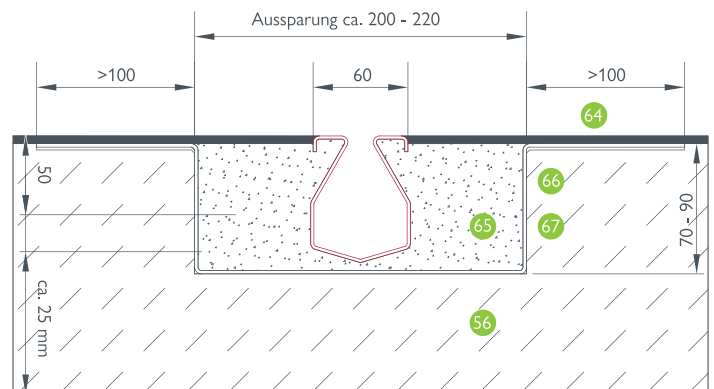
The installation of the channel body has to be done in permeable concrete or a gravel bed. In a bound pavement an elastic joint seal is compulsory to absorb shear forces.

BG-FLEX TM terrace channel

The terrace channel is used for drainage of terraces with terrace paving. Because of their low 30 mm height they can be placed anywhere between paving plates on the gravel without any special substructure being required.

BG-FLEX TE terrace slot channel

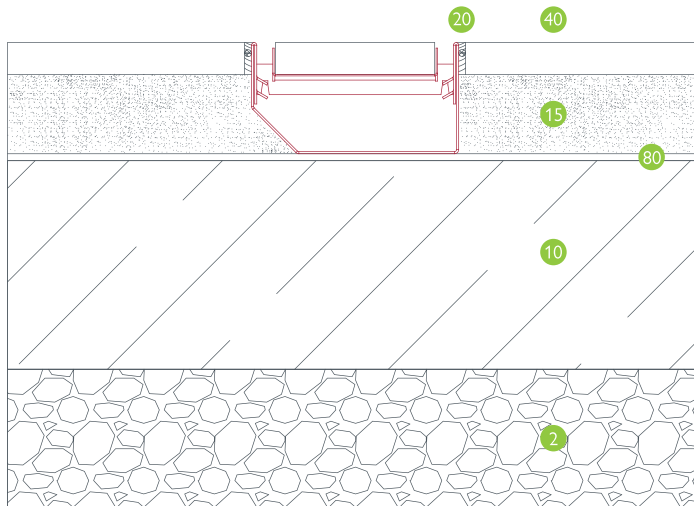
The terrace slot channel is mainly used for the drainage of terraces and gardens. The key advantage is that this channel enables drainage on two levels – the floor covering and the underlying base plate.



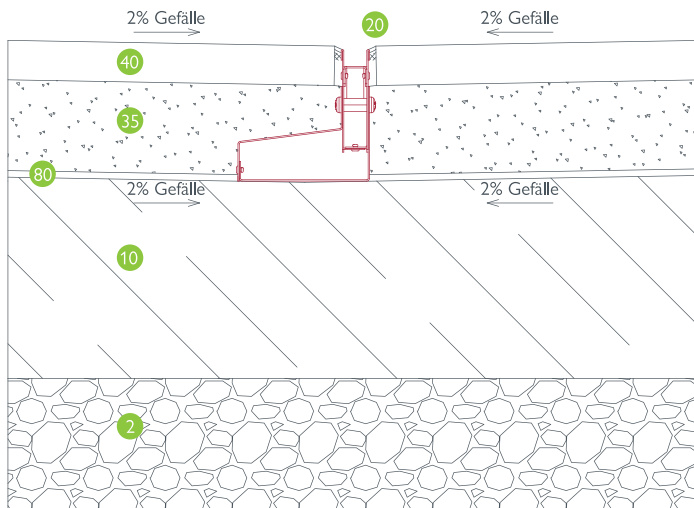
BG-FLEX omega, SW 16, coating, class A – C



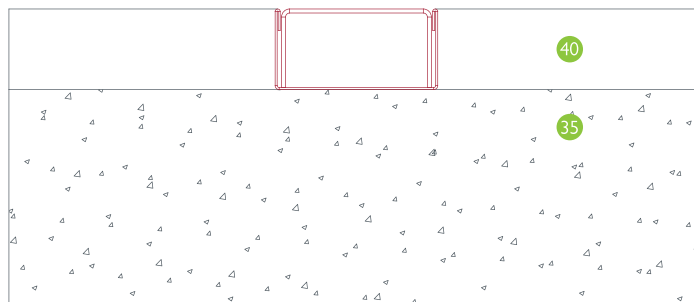
NOTE: Galvanised channel elements must not be laid on fresh lime or cement mortar and not grouted with acetic silicone in order to prevent increased corrosion. For detailed questions, our technical department will be pleased to assist you. Please do not hesitate to contact us!



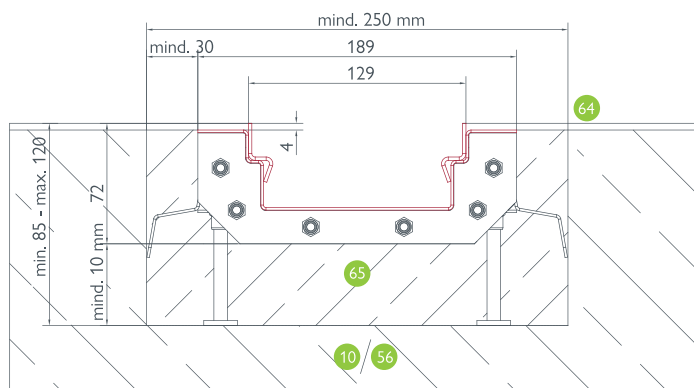
BG-FLEX stone, NW 150, paving



BG-FLEX TE terrace slot channel, SW 18, on concrete slab



BG-FLEX TM terrace channel, width 60 – paving

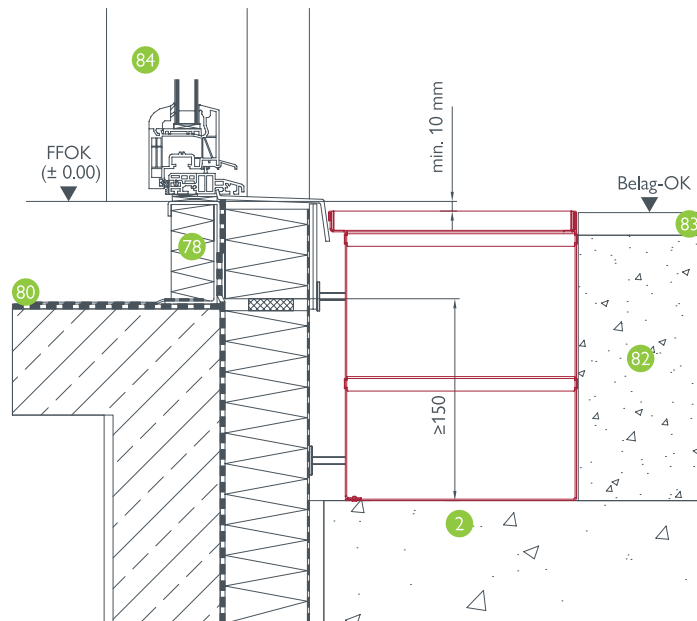


BG-FLEX sigma tec, NW 150, coating, class C

Key

- 2 load-bearing gravel layer
- 10 concrete foundation
- 15 drainage concrete
- 20 permanently elastic seal
- 35 grit bed
- 40 paving
- 56 steel-reinforced concrete surface
- 64 coating according to planner requirements ca. 4-5 mm
- 65 grout e.g. Triflex frame grout or equivalent
- 66 primer e.g. Triflex cryl primer 276 or equivalent
- 67 building sealing with fleece reinforcement e.g. Triflex pro detail or equivalent
- 80 sealing foil

BG-FLEX base Plinth channel



BG-FLEX base plinth channel, width 250, door connection



Timber-construction buildings are additionally subject to the provisions of ÖNORM B 2320 "Timber Buildings – Technical Requirements", as amended from time to time!

Key

- 2 load-bearing gravel layer
- 78 thermal insulation
- 80 sealing foil
- 82 sub-construction according to planner:
such as pedestal-supported terrace decking
- 83 covering: e.g. wooden decking
- 84 door construction



NOTE: Galvanised channel elements must not be laid on fresh lime or cement mortar and not grouted with acetic silicone in order to prevent increased corrosion.

If you require more detailed information, our technical department will be pleased to assist you.
Please do not hesitate to contact us!





BG-ROAD LEFIX®

Shoulder slabs

NEW CONSTRUCTION

(prior to constructing the road)

1. Before creating the concrete foundation for the shoulder slab, a sufficiently load-bearing base course (e.g. frost protection layer) needs to be constructed – without binding agents. Minimum load-bearing capacity (deformation modulus EV2) of the base course in load rating B:100 MPa; and 120 MPa in rating C. See data sheet M BB, 2024 edition.
2. The foundation for the shoulder slab is to be created using C 16/20 concrete, with a minimum 20 cm layer (compacted) – see installation details.
3. The underside of the shoulder slab needs to be sufficiently moistened before laying. Then take a rubber hammer and tap firmly to lay the shoulder slabs over the still fresh, pre-compacted concrete surrounding. A bonding agent should ideally be used to ensure that the shoulder slab bonds more effectively with the concrete surrounding. See data sheet M BB.
4. Construct and install the required back-end supports (supporting wedges) 'wet-on-wet', ensuring that they are approx. 4 cm below the top surface of the shoulder slab and at least 10 cm wide (see installation details). The concrete used for the foundation and the back-end supports will need to be subsequently treated (attention must especially be given to the weather conditions during the construction phase)
5. The road surface layers directly up to the shoulder slabs are applied once the concrete foundation has had time to cure sufficiently. This ensures that they can be safely worked in up to the shoulder slabs without them shifting. The asphalt surface should constantly be 5 – 7 mm higher than that of the shoulder slab as this will prevent mechanical damage from occurring (e.g. clearance of snow) and ensure water drainage. The shoulder slab/asphalt surface are connected in compliance with ZTV Asphalt-StB regulations.
6. A joint width of at least 3 mm must be maintained between then shoulder slabs – do not lay so that they grind together. The appropriate way to fill the joints is to layer the bottom 2/3 with bedding material and then fill the top 1/3 with 0/2 mm crushed limestone (do not use mortar as a filler).

General information on laying and installation

1. If the shoulder is to be secured using pre-fabricated fastening elements, we recommend adherence to data sheet M BB, 2024 edition, as this represents the current state of technology.
2. We recommend always installing the shoulder slab using the bonding method (load ratings B and C). For load rating C, please consult with our technical service to coordinate the installation work.
3. The use of the non-bonding method (load rating A) is only recommended if it can be ensured that cars will only occasionally drive over the indicated road section and this section connects to an existing or already built road.
4. Suitable tools (e.g. BG lifting grab or vacuum lifting device, etc.) and appropriate lifting equipment (e.g. mobile crane, excavator, etc.) should be used to lay the shoulder slabs.
5. Driving when there is no road surface layer (e.g. fine asphalt covering during construction) must be avoided so as to prevent the shoulder slabs from being damaged.

REPAIR

(connecting to an existing and/or already built road)

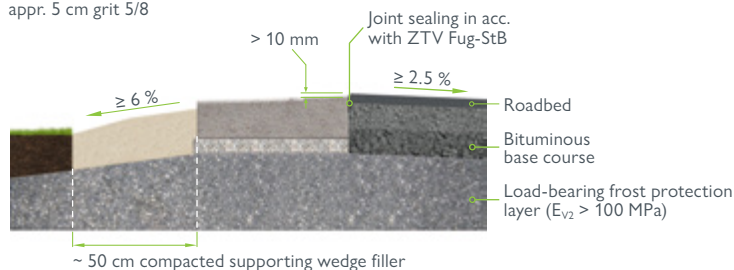
1. Cut into the roadside (surface courses) perpendicularly and correctly remove the courses.
2. Remove as much of the old shoulder material as needed to achieve the required depth (load-bearing soil or adequately thick base course) and required width to fasten the new shoulder. Ensure there is a sufficiently large work area (min. 30 cm) to create the planned shoulder construction, including the foundation.
3. Construct a sufficiently load-bearing base course (e.g. frost protection layer) up to the required height. Minimum load-bearing capacity (deformation modulus EV2) of the base course in load rating A:100 MPa – see data sheet M BB, 2024 edition.
4. If bonding is the preferred method of installing the slabs, see **"New Construction", starting from step 2.**
5. If the installation does not involve the use of bonding, pour the bedding material over the compacted base course and lay the shoulder slabs accordingly. Suitable compactor equipment must be used to compact the bedding material to the point where it is stable and durable. When installing a supporting wedge, a filler material must be poured behind the shoulder slab and compacted (see installation details).
6. Once completed, the road layers are then added and installed so that they join up to the shoulder slab. The asphalt surface should constantly be 5 – 7 mm higher than that of the shoulder slab as this will prevent mechanical damage from occurring (e.g. clearance of snow) and ensure water drainage. The shoulder slab/asphalt surface are connected in compliance with ZTV Asphalt-StB regulations.
7. A joint width of at least 3 mm must be maintained between then shoulder slabs – do not lay so that they grind together. The appropriate way to fill the joints is to layer the bottom 2/3 with bedding material and then fill the top 1/3 with 0/2mm crushed limestone (do not use mortar as a filler).

Do you need help with your project?

Our technical support will be happy to advise you and provide you with an overall quote for your project.
sales.int@bg-graspointner.com

Shoulder slabs in grit bed (load rating A)

appr. 5 cm grit 5/8



Inner radii:

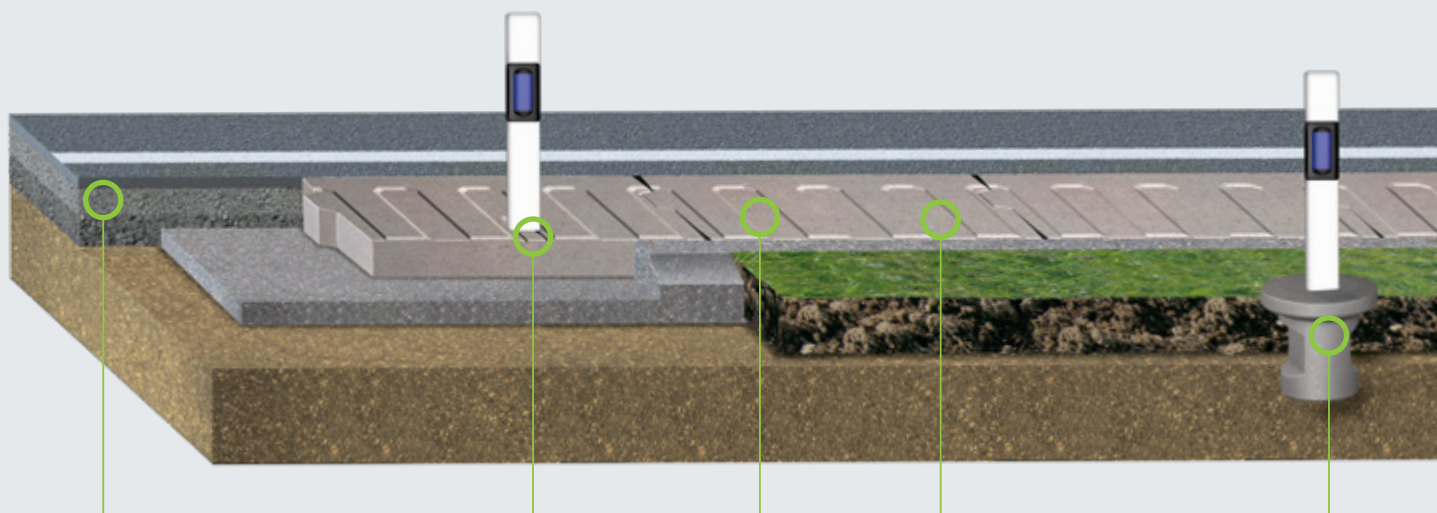
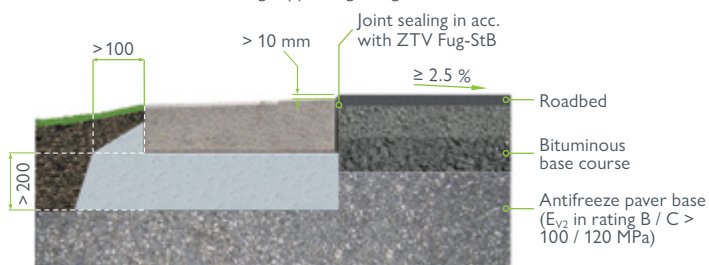
up to 4 m – BG-ROAD LEFIX® 250/500
up to 6 m – BG-ROAD LEFIX® 450/500
up to 16 m – BG-ROAD LEFIX® 1000/500



Laying example: Roundabout with different radii

Shoulder slabs in concrete sub-base (load rating B, C)

Concrete foundation including supporting wedge



Additional supports are created for the roadway to prevent the road edge from breaking away

The reflector post can be inserted directly into the specially provided slot as needed

The grooves create a rumbling noise that alerts drivers that they have reached the end of the lane

The grooves control how the water drains off, thus preventing any water intrusion

BG-ROAD reflector post-bases provide a stable and twist-resistant foundation



GRASPOINTNER
Sustainable innovation.

BG-Graspointner GmbH
Gessenschwandt 39
4882 Oberwang

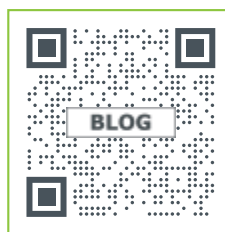
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Your partner for BG-Graspointner drainage systems