



GRASPOINTNER
Sustainable innovation.



Merkur Insurance, Graz – Austria

For those who show the way forward.

Product catalogue

High-tech
knows **no borders**
& **quality**
is respected **worldwide.**



BG-Graspointner Group

Austria	Russia
Belgium	Slovakia
Canada	Switzerland
Czech Republic	Poland
Germany	United Kingdom
Hungary	United States of America
Romania	



Dear customers, business partners and friends,

Word gets around about success and quality – around the world, in our case. Our innovative drainage systems ensure dry and safe runways, roads, sidewalks, squares, terraces and balconies on nearly every continent.

I would like to invite you to find out more about what we have to offer.

On the pages following you can discover our entire product range.

I am certain that we have an optimal solution for your own specific requirements – designed and engineered in Austria, of course.

Sincerely,

Klemens R. Wiese, Group Managing Director



Distribution Partner:

Bosnia & Herzegovina	Germany	Norway
Bulgaria	India	Serbia
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The latest News from the Innovation workshop ...

New products for 2021

BG-FILCOTEN® 3S slot top

Very good design combined with exceptionally high water absorption – find out how this combination works on page 17.



BG-FILCOTEN® light 150, tec 150 & 200

Channels with greater construction height for increased hydraulic requirements, or simply new members of a highly effective team. All details are available to read on pages 16, and 32 – 34.



Also find us at BIM Objects

<https://www.bimobject.com/en/bg-graspointner>



BG-FLEX Terrace channel

Did you know that there is a design grating with stylish linear slots which makes terraces and swimming pools even more beautiful? If not, turn to page 93.



The innovative cloud service for designers and architects, etc.

Is it possible for very good technical support and customer service to be even better? Of course – with myBG:

- Innovative cloud service on our own server with an easy-to-navigate user interface.
- Efficient project management thanks to comprehensive digital possibilities.
- Exchange of all relevant project data (floor plans, detailed sections, hydraulic calculations, BIM data, data sheets, product drawings, installation details, etc.).
- Access to all data from anywhere for viewing, discussing and processing.
- Direct, straightforward communication with your support staff.

myBG Digital Project management



www.say.bg/en/mybg

Application areas

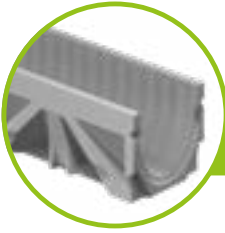
Classification as per EN 1433

Load classes ¹⁾	Application areas	Channel type
 A 15	Traffic areas which are only used by pedestrians and cyclists and similar areas, e.g. urban green and open spaces.	<ul style="list-style-type: none"> • light / spot / step / parkline / tec 14 – 35 • standard channel 64 – 65 • FA 84 – 89 • TE / TM 92 – 93
 B 125	Pavements, pedestrian areas and comparable areas, car parks or car parking decks, garages, driveways.	<ul style="list-style-type: none"> • light / spot. 14 – 21 • parkline 24 – 25 • tec. 30 – 35 • standard channel 64 – 65 • omega / sigma / sigma tec. 98 – 101
 C 250	Only applies to tops / drainage channels in the kerbstone 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.	<ul style="list-style-type: none"> • light 14 – 17 • parkline / city mini 24 – 27 • tec / pro / green 30 – 49 • standard channel. 64 – 65 • omega / sigma / sigma tec 98 – 101
 D 400	Road carriageways (incl. pedestrian zones), roadsides, car parks and similar fortified thoroughfares.	<ul style="list-style-type: none"> • pro / green 36 – 49 • one 56 – 61 • BGZ-S 66 – 68
 E 600	Private thoroughfares which are used by vehicles with heavy wheel loads, e.g. routes for industrial construction.	<ul style="list-style-type: none"> • pro / green 36 – 49 • one 56 – 61 • BGZ-S 66 – 68 • BG-SI / BG-SL 72 – 73
 F 900	Areas which are used by especially heavy wheel loads, e.g. air traffic areas of commercial airports.	<ul style="list-style-type: none"> • one 56 – 61 • BGZ-S 66 – 68 • BG-SI 72

¹⁾ Load class in kN

Description of materials

Properties for material selection

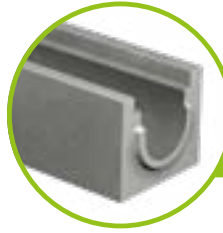


FILCOTEN® HPC

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 materials – guaranteed as harmless in terms of the biological standards of construction, as IBR certified ²⁾, 100% recyclable. ³⁾

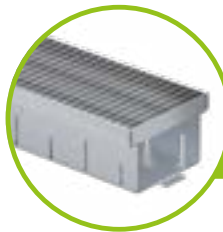
- High-performance mineral concrete (dense, low-capillary, optimised structure)
- High strength and frost resistant
- Fire protection class A1
- Expansion coefficient identical to concrete
- UV resistant
- Compressive strength far exceeding the requirements of EN 1433
- Low water absorption and penetration
- 100% recyclability – quality class U-A²⁾
- IBR certified³⁾, tested for: VOCs, Styrene⁴⁾ and BTEX, heavy metals, radioactivity

More about FILCOTEN® HPC is available on pages 10 and 11.



Concrete

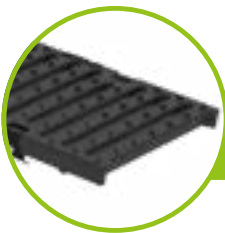
Production and monitoring of the quality requirements according to EN 1433 – monitored and certified according to ISO 9001.



Galvanised steel

Steel elements in the channel 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.

Contact with calcareous or cement-bound materials (screed, etc.) can destroy or dissolve the protective zinc layer. Condensation also corrodes the protective layer, which results in the formation of white rust (corrosion of the zinc layer) – this is not a defect.



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.

Ductile iron gratings with EDP (electrophoretic dip painting) are available at extra cost.



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”. Regular cleaning must be ensured in the case of contact with road salt.

On our stainless steel edge and gratings, material no. 1.4301 (V2A) is used as standard. Stainless steel gratings made from material no. 1.4571 (V4A) are available at extra cost.

²⁾ Quality class U-A (certified by the experimental and research Institute for construction Salzburg)

³⁾ Meets the strict criteria of the Institut für Baubiologie Rosenheim GmbH (IBR)

⁴⁾ No use of synthetic resins

BG-Hydraulics

Shallow channels

	up to class C 250 kN				up to class E 600 kN						
Channel type:	city mini 100	light mini 100	light mini 150	tec mini 100	pro mini 100		pro mini 150		pro mini 200		pro mini 300
Height:	65 mm	55 mm	100 mm	80 mm	60 mm	80 mm	100 mm	120 mm	100 mm	120 mm	120 mm
Capacity (l/m)	2.7	3.5	8.0	4.0	2.3	4.0	8.3	11.3	11.0	14.9	19.5
Qmax (l/s)	0.4	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 (m²)										
200	20	15	95	35	10	25	45	115	75	110	75
250	16	12	76	28	8	20	36	92	60	88	60
300	13	10	63	23	6	16	30	76	50	73	50
350	11	8	54	20	5	14	25	65	42	62	42
400	10	7	47	17	5	12	22	57	37	55	37

BG-FLEX | Steel channels

	FA facade channels (walkable and wheelchair-safe)							up to class C 250 kN		
Channel type:	FA RB 130			FA RB 200		FA RB 250		omega SW 16	sigma tec NW 100	sigma NW 150
Height:	50 mm	80 mm	180 mm	50 mm	90 mm	55 mm	90 mm	65 – 200 mm	50 mm	55 mm
Capacity (l/m)	2.9	5.9	15.9	5.0	12.0	8.5	17.5	2.3 – 10.3	2.8	8.0
Qmax (l/s)	0.4	1.5	7.6	0.8	3.8	1.7	5.5	0.2 – 1.9	0.4	0.8
Precipitation (l/s ha)	maximum area to be drained (m²)									
200	20	75	380	40	190	80	270	10 – 95	20	40
250	16	60	304	32	152	60	220	8 – 76	16	32
300	13	50	253	26	126	50	180	6.6 – 63	13	26
350	11	42	217	22	108	40	150	5.7 – 54	11	22
400	10	37	190	20	95	40	130	5 – 47	10	20

NOTE: The average calculation of shallow and steel channels is based on a line length of 10 metres and free run-out for each channel type specified.

In the BG-FLEX channels, the low construction height results in a very shallow water table, which allows only a small drainage capacity.

This is why BG-FLEX sigma channels are predominantly used as evaporation channels (capacity is crucial).

We would be happy 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		BG 100		BG 150		BG 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 (m²)									
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

NOTE: This average calculation is based on a line length of 20 metres and free run-out for each channel type specified.

We would be happy 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 (m²)																			
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

	up to class F 900 kN			
Channel type:	one 150		one 200	
Height:	0	40-0	0	40-0
Capacity (l/m)	22.0	52.0	37.0	77.0
Qmax (l/s)	12.5	48.0	22.0	77.0
Precipitation (l/s ha)	maximum area to be drained (m²)			
200	625	2400	1100	3850
250	500	1920	880	3080
300	416	1600	730	2560
350	357	1370	620	2200
400	312	1200	550	1920



Our technical support service would be happy to assist you and to provide you with a hydraulic calculation at any time: Tel.: +43 6233/8900-0 / sales.int@bg-graspontner.com

Channels without edges

	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 (m²)												
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

NOTE: This average calculation is based on a line length of 20 metres and free run-out for each channel type specified.
We would be happy to draft an exact hydraulic calculation adapted to the local conditions for you at any time.

BG-FILCOTEN® When opposites,

FILCOTEN® HPC (High Performance Concrete) is a material that combines outstanding technical properties with ecological sustainability. 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.

Unique concept, revolutionary results.

Our engineers wanted to create something which combines two extreme opposites: maximum performance with minimal environmental impact.

Maximum performance, minimal environmental impact.

After an intense development phase, they achieved their goal. FILCOTEN® HPC combines these opposites, making it unique in the market.



Minimal weight

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



Maximum robustness

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



Resistant to extreme temperatures and UV light

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



Fireproof

- Non-combustible building material – Class A1
- No toxic smoke emission



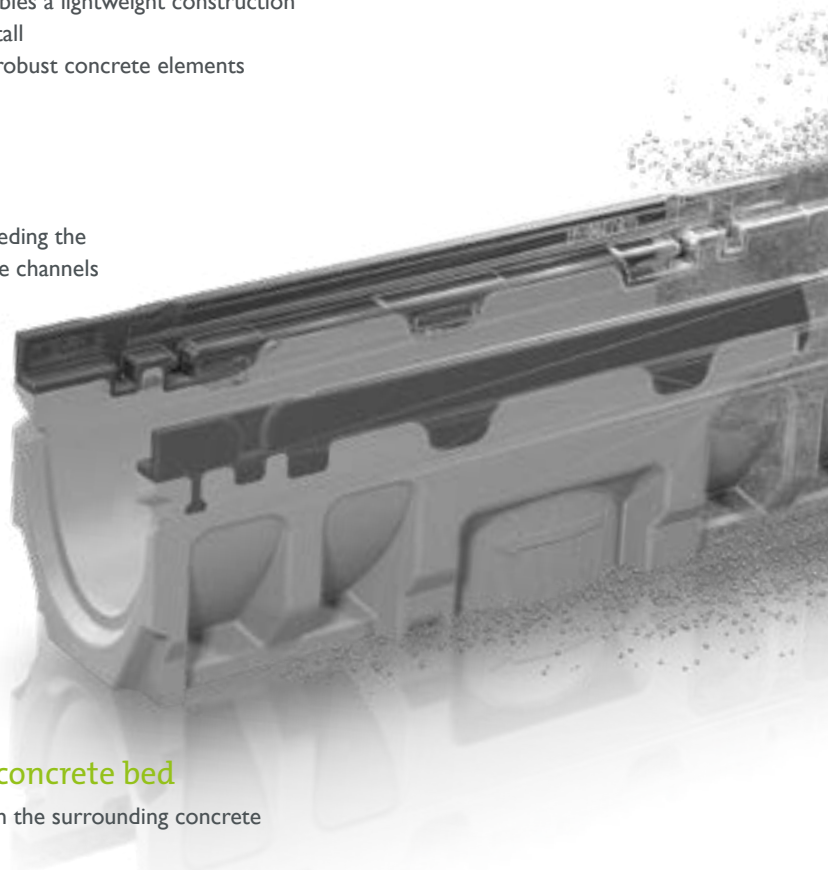
Perfectly positioned in the concrete bed

- Ideal expansion coefficient, in line with the surrounding concrete



High drainage performance

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



lead to great things.



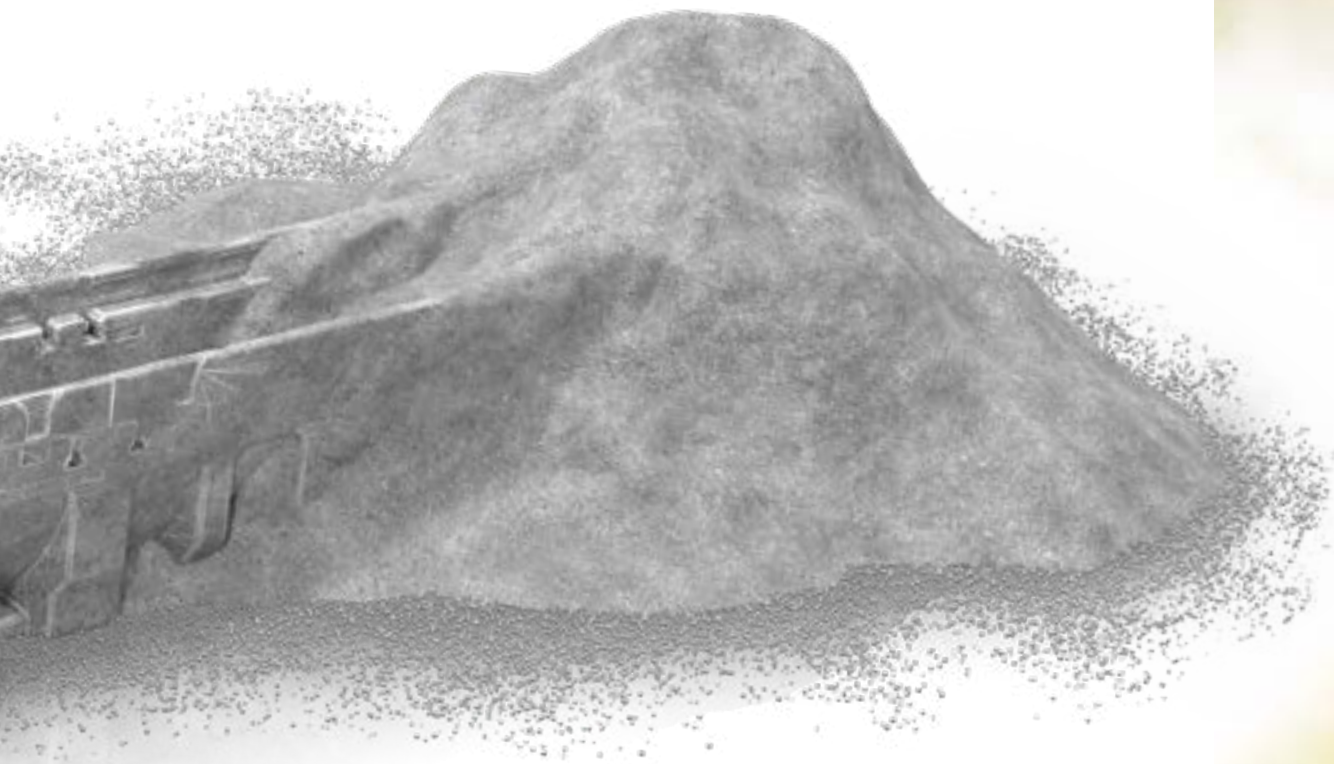
Verified Life Cycle Assessment

- Greater ecological transparency, according to ISO 14040/14044 and/or EN 15804
- Ideal for sustainable construction projects



Sustainable production

- Made using 100% Green Energy
- Resource-saving production process
- 40% from in-house photovoltaic plant



End-to-end resource conservation

- 100% recyclable, certified
- Quality class U-A (certified by the experimental and research Institute for construction Salzburg)



Certified sustainability and tested for hazardous substances

- Certified environmental & energy management according to ISO 14001 and/or 50001 at the location of Oberwang/AT
- Certified biologically sound construction material that meets the stringent testing criteria of the IBR, the Institut für Baubiologie Rosenheim GmbH, for heavy metals, VOCs, biocides and radioactivity; styrene-free ¹⁾



Sustainability

BG-FILCOTEN®



Light in weight, heavyweight in performance.

The BG-FILCOTEN® systems light, spot, step, parkline and city mini give an impressive demonstration of how you can achieve maximum stability without sacrificing low weight. This is because FILCOTEN® HPC enables an innovative lightweight construction that affords numerous advantages such as easy handling and resource-saving transport. They are also extremely durable thanks to tremendous stability and robustness, which conserves resources, ultimately benefiting your budget.

Application areas

- For home and garden/landscape applications: light, spot, step
- For parking lots and garages: parkline and city mini
- Terraces: city mini

 up to class C 250



GRASPOINTNER
Sustainable innovation.

¹⁾ No use of synthetic resins.

- **BG-FILCOTEN® light**

Lightweight channel system with top-resting gratings and no grating-holding edge. Integrated anchoring pockets, load bearing up to class C 250.

- **BG-FILCOTEN® spot**

Drainage outlet for home, yard and garden, load-bearing up to class B 125. Optionally available with gully top to increase the volume or inlet for roof gutters.

- **BG-FILCOTEN® step**

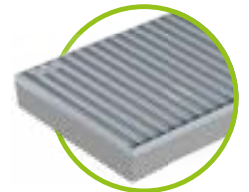
Innovative shoe-scraper box available in three sizes and with three versions of grating: Mesh grating, ribbed mat or rubber mat. The DN 100 outlet opening is included.



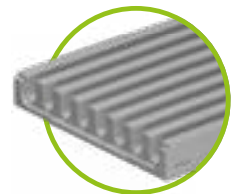
BG-FILCOTEN® light
up to class C | page 14 – 18



BG-FILCOTEN® spot
up to class B | page 20 – 21



BG-FILCOTEN® step
walkable | page 22 – 23



BG-FILCOTEN® parkline
up to class C | page 24 – 25



BG-FILCOTEN® city mini
up to class C | page 26 – 27

- **BG-FILCOTEN® parkline**

Monolithic drainage system for parking garages with low-noise comb profile and flow-optimised ribbed construction.

- **BG-FILCOTEN® city mini**

Ideal for parking garages and underground car parks: Drainage channel with edge and grating support and protection against longitudinal movement and fiX-locking mechanism.



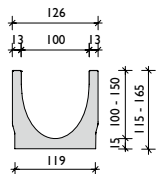
Technical data: www.say.bg/en/filcoten



up to class C 250

BG-FILCOTEN[®]

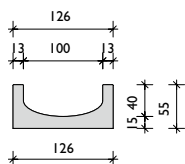
light



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	Pc./Pallet
10311000	light NW 100, no. 0	0.0 %	10.7 kg	30
10311050	light NW 100, no. 0, L = 500 mm	0.0 %	5.4 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
10311070	light NW 101, no. 0, outlet opening DN 100	0.0 %	10.3 kg	30
10311071	light NW 101, no. 5-0, outlet opening DN 100	0.0 %	13.0 kg	24
10311072	light NW 101, no. 10-0, 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	Pc./Pallet
10110000	light mini NW 100, H = 55 mm	0.0 %	7.7 kg	70
10110070	light mini NW 101, H = 55 mm, outlet opening DN 100	0.0 %	7.4 kg	70



Channel body with outlet opening

The position of the outlet opening and/or the lateral drill-hole (left/right) can be freely selected.

The maximum lateral drill-hole diameter with the NW 100 is \varnothing 86 mm. T-elements or train crossings can be produced quickly and easily.



For questions, please contact our technical support team.
Tel.: +43 6233/8900-0 / sales.int@bg-graspointner.com



GRASPOINTNER
Sustainable innovation.

¹⁾ Delivery time on request.

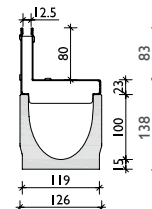
²⁾ Lateral and/or vertical drill-hole, see picture on page 14.

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

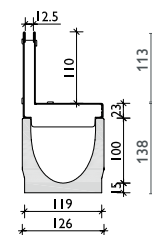
Gratings and accessories

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

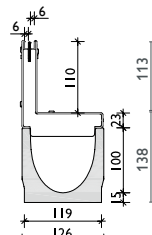
Item no.	Gratings	Load class	Weight	Pc./pallet
17010200	light slotted grating 1000/124/2, SW 8/80	A 15	1.6 kg	240
17010201	light slotted grating 500/124/2, SW 8/80	A 15	0.8 kg	48
17010300	light slotted grating 1000/124/2, SW 8/80, stainless steel ¹⁾	A 15	1.6 kg	240
17010301	light slotted grating 500/124/2, SW 8/80, stainless steel ¹⁾	A 15	0.8 kg	48
17010210	light mesh grating 1000/124/2, MVV 30/10	B 125	2.6 kg	180
17010211	light mesh grating 500/124/2, MVV 30/10	B 125	1.3 kg	48
17010310	light mesh grating 1000/124/2, MVV 30/10, stainless steel ¹⁾	B 125	2.6 kg	180
17010311	light mesh grating 500/124/2, MVV 30/10, stainless steel ¹⁾	B 125	1.3 kg	48
17010100	light ductile iron mesh grating 500/124/5, MVV 15/25	C 250	2.6 kg	240
17010150	light ductile iron mesh grating 500/124/5, MVV 15/25, KTL-coated	C 250	2.6 kg	240
Item no.	BG-FILCOTEN® slot tops V asymmetric incl. accessories	Load class	Weight	Pc./pallet
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, Heel-proof V NW 100, 1000/123/133, SH 110, SW 2x6mm	C 250	5.8 kg	36
17111205	Slot top 2S, Heel-proof V NW 100, 500/123/133, SH 110, SW 2x6mm	C 250	3.0 kg	24
17111206	Maintenance unit 2S, Heel-proof V NW 100, 500/123/133, SH 110, SW 2x6mm	C 250	5.3 kg	24
37962	Construction time cover for slot top SW 12mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg	
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic		0.1 kg	
Item no.	BG-FILCOTEN® slot tops E asymmetric incl. accessories	Load class	Weight	Pc./pallet
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 00, 500/123/03, 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, Heel-proof E NW 100, 1000/123/103, SH 80, SW 2x6 mm	B 125	5.0 kg	48
17111311	Slot top 2S, Heel-proof E NW 100, 500/123/103, SH 80, SW 2x6 mm	B 125	2.5 kg	24
17111312	Maintenance unit 2S, Heel-proof E NW 100, 500/123/103, SH 80, SW 2x6 mm	B 125	4.3 kg	24
17111304	Slot top 2S, Heel-proof E NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250	5.8 kg	36
17111305	Slot top 2S, Heel-proof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	3.0 kg	24
17111306	Maintenance unit 2S, Heel-proof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	5.3 kg	24
17111307	Slot top 3S, Heel-proof E NW 100, 1000/123/133, SH110, SW 3x6 mm	C 250	6.5 kg	36
17111308	Slot top 3S, Heel-proof E NW 100, 500/123/133, SH110, SW 3x6 mm	C 250	3.3 kg	24
17111309	Maintenance unit 3S, Heel-proof E NW 100, 500/123/133, SH110, SW 3x6 mm	C 250	5.6 kg	24
37962	Construction time cover for slot top SW 12 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg	
37963	Cover tape for all slot tops, 50 mm wide, roll of 33 m		0.1 kg	
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic		0.1 kg	
Item no.	Accessories	Material	Weight	Pc./pallet
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 back-fitting DN 100	Plastic	0.1 kg	
30019	Odour trap for outlet opening DN 100	Plastic	0.2 kg	
19010400	Front/end cap DN 100	Plastic	0.1 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, incl. nuts ³⁾	galvanised	1.1 kg	
19015927	SET installation supports, size 1, top section, incl. bolts	galvanised	0.4 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	



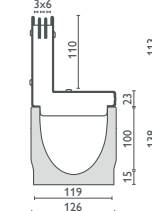
Slot top SW 12.5 class B



Slot top SW 12.5 class C



Slot top 2S, Heel-proof SW 2x6, class C



Slot top 3S, Heel-proof SW 3x6, class C



The retaining spring in the ductile iron mesh grating ensures a secure hold of the grating in the channel body.



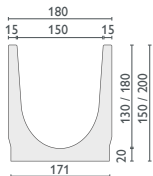
Slot tops symmetric, for load class D 400 or special loads on request.

Installation guidelines at www.bg-graspoinner.com

up to class C 250

BG-FILCOTEN®

light



NEW
NEW

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	Pc./Pallet
10315000	light NW 150, no. 0	0.0 %	20.6 kg	20
10315050	light NW 150, no. 0, L = 500 mm	0.0 %	10.3 kg	16
10315062	light NW 50, no. 10-0	0.0 %	26.2 kg	12
10315052	light NW 150, no. 10-0, L = 500 mm	0.0 %	13.1 kg	16
10315070	light NW 151, no. 0, outlet opening DN 150	0.0 %	19.9 kg	20
10315072	light NW 151, no. 10-0, outlet opening DN 150	0.0 %	25.5 kg	12

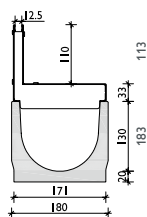
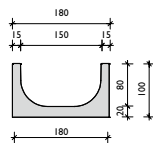
BG-FILCOTEN® light mini, NW 150

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

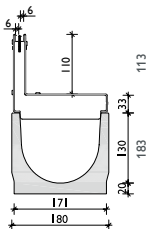
Item no.	Channel body with safety joint	Slope	Weight	Pc./Pallet
10115000	light mini NW 150, H = 100 mm	0.0 %	16.8 kg	32
10115070	light mini NW 151, H = 100 mm, outlet opening DN 100	0.0 %	16.2 kg	32

Gratings and accessories

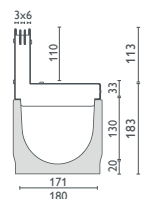
for BG-FILCOTEN® light and light mini, NW 150



Slot top
SW 12.5
class C



Slot top 2S,
Heel-proof
SW 2x6, class C



Slot top 3S,
Heel-proof
SW 3x6, class C

NEW
NEW
NEW
NEW

Item no.	Gratings	Load class	Weight	Pc./pallet
17015200	light slotted grating 1000/178/3, SW 8/130	A 15	2.5 kg	128
17015201	light slotted grating 500/178/3, SW 8/130	A 15	1.3 kg	48
17015210	light mesh grating 1000/178/2, MW 30/10	B 125	4.6 kg	100
17015211	light mesh grating 500/178/2, MW 30/10	B 125	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	Load class	Weight	Pc./pallet
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, Heel-proof V NW 150, 1000/173/143, SH 110, SW 2x6 mm	C 250	7.0 kg	24
17116205	Slot top 2S, Heel-proof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250	3.5 kg	16
17116206	Maintenance unit 2S, Heel-proof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250	6.1 kg	16
37962	Construction time cover 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		0.1 kg	
Item no.	BG-FILCOTEN® slot tops E asymmetric incl. accessories	Load class	Weight	Pc./pallet
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, Heel-proof E NW 150, 1000/173/143, SH 110, SW 2x6mm ¹⁾	C 250	7.0 kg	24
17116305	Slot top 2S, Heel-proof E NW 150, 500/173/143, SH 110, SW 2x6mm ¹⁾	C 250	3.5 kg	16
17116306	Maintenance unit 2S, Heel-proof E NW 150, 500/173/143, SH 110, SW 2x6mm ¹⁾	C 250	6.1 kg	16
17116307	Slot top 3S, Heel-proof E NW 150, 1000/173/143, SH 110 SW 3x6 mm ¹⁾	C 250	7.7 kg	24
17116308	Slot top 3S, Heel-proof E NW 150, 500/173/143, SH 110, SW 3x6 mm ¹⁾	C 250	3.9 kg	16
17116309	Maintenance unit 3S, Heel-proof E NW 150, 500/173/143, SH 110, SW 3x6 mm ¹⁾	C 250	6.5 kg	16
37962	Construction time cover for slot top SW 12 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg	
37963	Cover tape for all slot tops, 50 mm wide, roll of 33 m		0.1 kg	
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic		0.1 kg	
Item no.	Accessories	Material	Weight	Pc./pallet
10315092	light sump unit 500/195/650 incl. pipe coupling DN 150 and plastic Silt bucket	FILCOTEN® HPC	45.3 kg	8
30030	Odour trap made of PVC sewer pipes DN 150/87°	Plastic	3.9 kg	
30057	Odour trap for sump unit for back-fitting DN 150	Plastic	0.2 kg	
19015230	light front cap	galvanised	0.5 kg	
19015232	light end cap with DN 100 outlet	galvanised	0.4 kg	
19015330	light front cap ¹⁾	Stainless steel	0.5 kg	
19015332	light end cap with DN 100 outlet ¹⁾	Stainless steel	0.4 kg	
19015200	light mini front cap	galvanised	0.3 kg	
19015300	light mini front cap ¹⁾	Stainless steel	0.3 kg	
19020926	SET installation supports, size 2, lower section, incl. nuts ²⁾	galvanised	1.2 kg	
19020927	SET installation supports, size 2, top section, incl. bolts	galvanised	0.5 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 or special parts on request. Installation guidelines at www.bg-graspointner.com

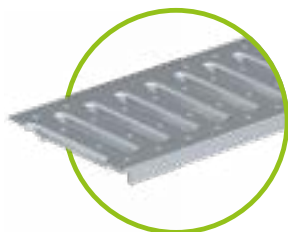


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Sustainable innovation.

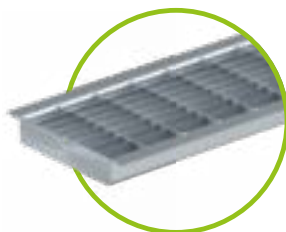
¹⁾ Delivery time on request.

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

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



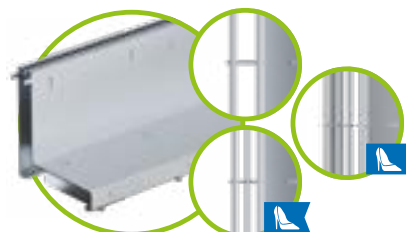
Slotted grating **NW 100** SW 8/80, class A, galvanised and stainless steel
Slotted grating **NW 150** SW 8/130, class A, galvanised



Mesh grating MW 30/10, class B
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**



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, class C **NW 100 / 150**, V & E
3S, SW 3x6 mm, class C, **NW 100 / 150**, E

BG-FILCOTEN® slot top grating

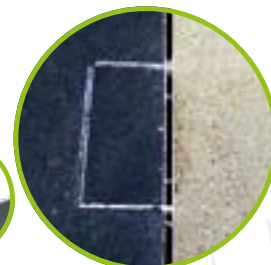
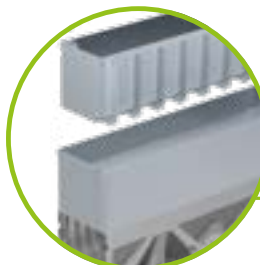
Slot tops are particularly suitable for architecturally challenging surfaces in which the design is just as important as the function.

The narrow slot width of 12.5 mm and/or 2x6 mm and 3x6 mm on our Heel-proof 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 interfere with the look of the thread profile.

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



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 grating.

The reason:

The inlet cross-section of the slot top is – just like the inlet cross-section of a classic grating – 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 grating.



BG-FILCOTEN[®] light



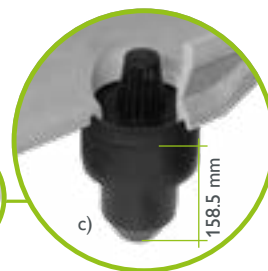
Outlet opening DN 100 (NW 100)
or DN 150 (NW 150)
(prefabricated)



Drainpipe, made of PVC
sewer pipe installed
on site



a) Odour trap for outlet opening
consisting of 3 parts
b) Outlet pipe must be inserted into
outlet opening from below before
installation.



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

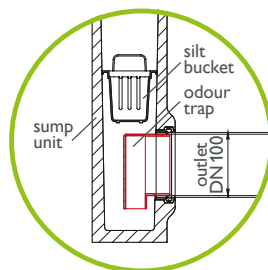
i Positioning of outlet opening: Channel end to outlet opening centre = 250 mm



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



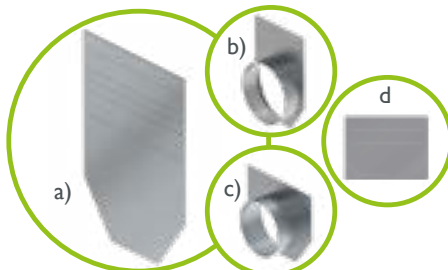
Odour trap for sump unit for back-fitting DN 100/150
Installation: Insert the odour trap from the inside and connect
with the sewage pipe.



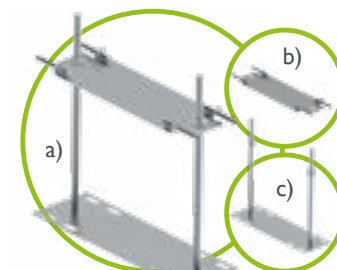
Odour trap made of PVC bends
suitable for sump units with
pipe connection DN 150



light NW 100
Front/end cap
Plastic



a) Front cap NW 150
b) End cap NW 150 with outlet DN150
c) End cap NW 150 with outlet DN100
d) Mini front cap



Installation supports to fit NW
made of galvanised steel
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 gr.



Interlocking clip for mesh
gratings



Interlocking bracket (bolted) for
ductile iron mesh gratings



Sealing system suitable for all
channels – with safety joint

References



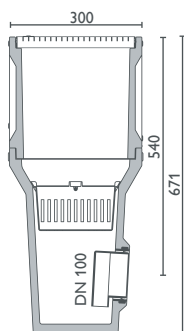
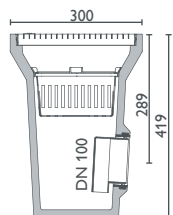
up to class B 125

BG-FILCOTEN® spot

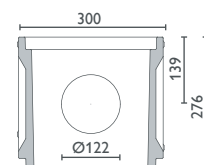
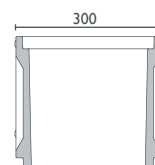
BG-FILCOTEN® spot

Yard drainage made of FILCOTEN® HPC (High Performance Concrete) – car-safe

Item no.	spot / class A 1 – car-safe	L/W/H	Weight	Pc./Pallet
14130001	spot incl. mesh grating galvanised steel with fiX-locking, 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 DN100	300/300/276	11.4 kg	18



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

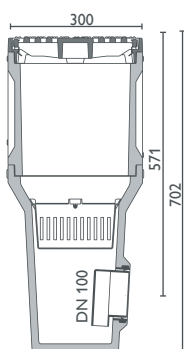
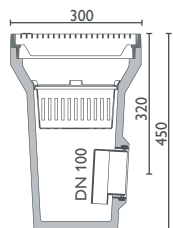


spot gully top with or without outlet opening DM 122

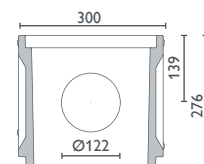
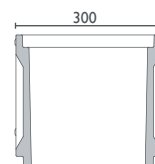
BG-FILCOTEN® spot

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

Item no.	spot with ductile iron edge / class A 15 – B 125	L/W/H	Weight	Pc./Pallet
14130101	spot incl. ductile iron edge, galvanised steel mesh grating with fiX-locking, MW 25/12.5 mm, odour trap and Silt bucket	300/300/450	24.8 kg	16
14130102	spot incl. ductile iron edge, ductile iron grating (EN-GJS) with fix-locking, 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 DN100	300/300/276	11.4 kg	18



spot incl. ductile iron edge
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 DM 122
Ductile iron edge can be transposed

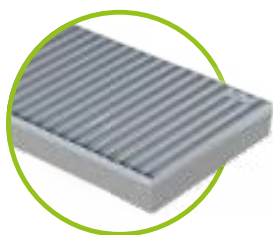
References





BG-FILCOTEN®

step

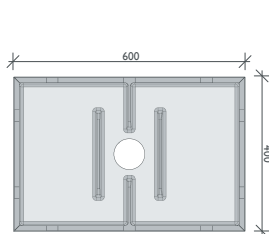


BG-FILCOTEN® step

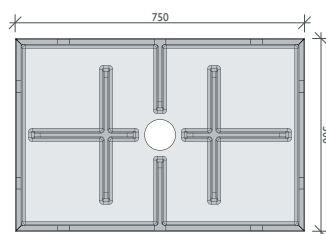
Shoe-scraper box made of FILCOTEN® HPC with integrated edge made of galvanised steel (V)

Item no.	Shoe-scraper box	Material	Weight	Pc./Pallet
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

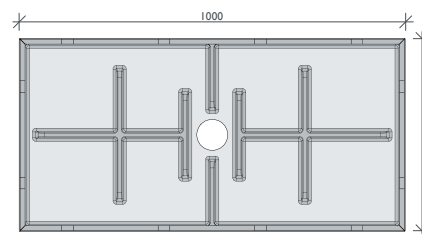
Item no.	Gratings	Material	Weight	Pc./Pallet
17555001	Mesh grating, 600/400/20, MW30/10	galvanised	4.4 kg	20
17555002	Mesh grating, 750/500/20, MW30/10	galvanised	6.9 kg	20
17555003	Mesh grating, 1000/500/20, MW30/10	galvanised	8.5 kg	10
17555011	Rubber mat, anthracite, 600/400/20	Alu / ribbed	3.0 kg	20
17555012	Rubber mat, anthracite, 750/500/20	Alu / ribbed	4.7 kg	20
17555013	Rubber mat, anthracite, 1000/500/20	Alu / ribbed	6.3 kg	10
17555021	Rubber profile mat, black, 600/400/20	Alu / rubber	4.3 kg	20
17555022	Rubber profile mat, black, 750/500/20	Alu / rubber	6.7 kg	20
17555023	Rubber profile mat, black, 1000/500/20	Alu / rubber	8.9 kg	10



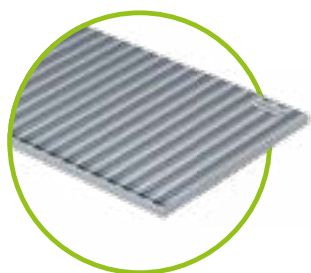
step 600/400/80



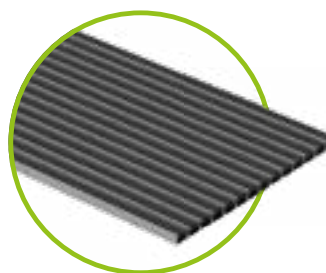
step 750/500/80



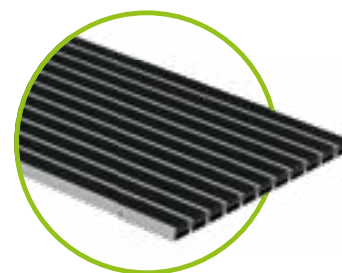
step 1000/500/80



Mesh grating MW30/10
galvanised



Ribbed mat
anthracite



Rubber profile mat
black

References



Keeps pace with every challenge

BG-FILCOTEN® step is the first shoe scraper made with FILCOTEN® HPC. With all the positive benefits: lightweight, high-stability construction. The 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

- usable in non-roofed areas as well
- Wheelchair-safe, washable

Ribbed mat, anthracite

- For reliable shoe dust and dirt removal
- For roofed areas
- Durable, robust, easy to vacuum

Mesh grating MW30/10

- Robust and corrosion-resistant galvanised steel
- Recommended for non-roofed areas

Outlet

- Seepage or sewer connection
- DN 100

Box made of FILCOTEN® HPC

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

Galvanised steel edge

- Galvanised for a long useful life
- Clean, appealing-looking connection to adjacent coverings



www.say.bg/step-installation-video

Your benefits at a glance:

- Keeps entrances clean – with mesh grating, ribbed mat or rubber mat
- Secure hold, no shifting due to shoe scraping
- Extremely easy to handle, allowing self-installation
- Three sizes to choose from

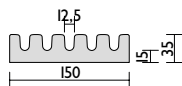
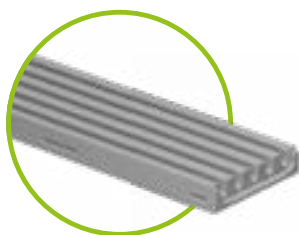
up to class C 250

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

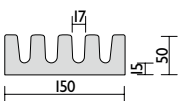


NEW
NEW

Item no.	Channel body	Slope	Weight	Pc./Pallet
12515005	parkline 150, H = 35 mm, SW 12.5 mm	0.0 %	9.2 kg	80
12515075	parkline 151, H = 35 mm, SW 2.5 mm, with outlet opening DN 100	0.0 %	8.9 kg	80
Item no.	Accessories	Material	Weight	Pc./Pallet
12515084	Cross corner element, 150/150/35 mm, H=35 mm, SW12.5mm	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, incl. nuts ¹⁾	galvanised	1.1 kg	
19015927	SET installation supports, size 1, top section, incl. bolts	galvanised	0.4 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

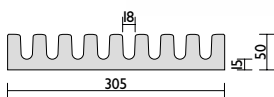
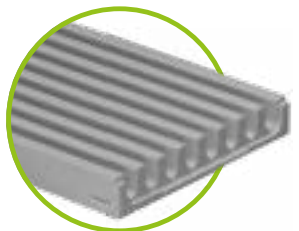


NEW
NEW

Item no.	Channel body	Slope	Weight	Pc./Pallet
12515001	parkline 150, H = 50 mm, SW 17 mm	0.0 %	11.9 kg	60
12515071	parkline 151, H = 50 mm, SW 7 mm, with outlet opening DN 100	0.0 %	11.6 kg	60
Item no.	Accessories	Material	Weight	Pc./Pallet
12515081	Cross corner element, 150/150/50mm, H =50mm, SW 17mm	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, incl. nuts ¹⁾	galvanised	1.1 kg	
19015927	SET installation supports, size 1, top section, incl. bolts	galvanised	0.4 kg	
12515292	Construction time cover, 1000/150/14 mm	galvanised	1.3 kg	
12515391	Cleaning rake (without handle)	Stainless steel	0.2 kg	

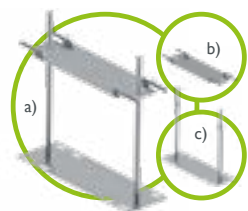
BG-FILCOTEN® parkline, NW 300 – CH 50 mm

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



NEW
NEW

Item no.	Channel body	Slope	Weight	Pc./Pallet
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	Pc./Pallet
12530080	Cross corner element, 300/300/50mm, H = 50mm, SW 18mm	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, incl. nuts ¹⁾	galvanised	1.4 kg	
19030927	SET installation supports, size 3, top section, incl. bolts	galvanised	0.7 kg	
12530291	Construction time cover, 1000/300/20 mm	galvanised	2.8 kg	
12530390	Cleaning rake (without handle)	Stainless steel	0.5 kg	

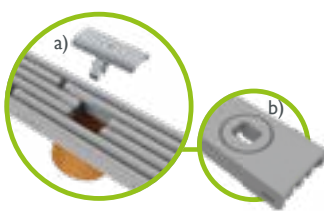


Installation supports, galvanised, to match NW

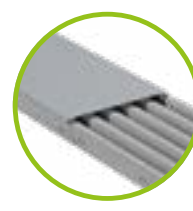
- a) Top part set + lower part set
- b) Top part set incl. bolts
- c) Lower part set incl. nuts



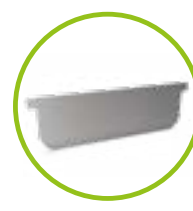
cross element from FILCOTEN® HPC for easy creation of train crossings



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



Construction time cover to fit nominal width made of galvanised steel



Front cap



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Sustainable innovation.

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

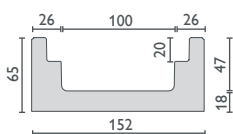
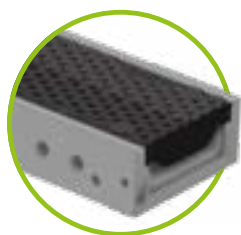
References



up to class C 250

BG-FILCOTEN®

city mini

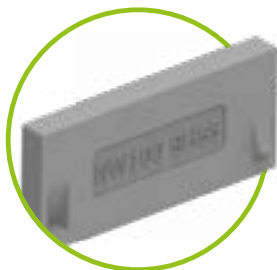


city mini H=65

BG-FILCOTEN® city mini

Complete drainage channel made of FILCOTEN® HPC (High Performance Concrete)
incl. edge and grating bearing, protection against longitudinal movement and fix-locking

Item no.	Channel body NW 100	Slope	Weight	Pc./Pallet
10810000	city mini NW 100, H = 65 mm	0.0 %	11.2 kg	55
10810070	city mini NW 100, H = 65 mm, outlet opening DN 100	0.0 %	10.0 kg	55
Item no.	Accessories	Material	Weight	Pc./pallet
19010001	city mini front cap	FILCOTEN® HPC	0.3 kg	
19010390	city mini end cap with outlet DN 50	Stainless steel	0.2 kg	
Gratings with fiX-locking (no bolt connection) & slot tops class C				
Gratings & slot tops class C – see BG-FILCOTEN® tec NW 100				Page 31



city mini front cap,
from FILCOTEN® HPC



city mini end cap with outlet
DN50, made of stainless steel

Innovation for increased precision:

The wedge-shaped connector system enables direction-independent installations and precise connection of the channel elements. In this way, the installation of the BG-FILCOTEN® city mini becomes much easier and more space-saving.



References



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Sustainable innovation.

Small dimensions, **big impact.**

The new status quo for parking garages and underground car parks:
BG-FILCOTEN® city mini, the first drainage channel made completely
of FILCOTEN® HPC – with all the corresponding advantages. Extremely
stable and robust, yet lightweight and high-performing. A channel that
reflects our mission statement: innovation for sustainability.

COMBee design grating



- made of polyamide PA6; corrosion-free and UV-resistant
- up to load class C 250
- protection against longitudinal movement & fiX-locking
- anti-slip honeycomb profile

One-material drainage channel

- incl. edge and grating bearing
- protection against longitudinal movement and fiX-locking integrated in the channel body
- very low construction height of 65 mm

Mesh grating, MW 30/10

- made of stainless steel
- up to load class C 250
- protection against longitudinal movement & fiX-locking

Tongue/groove/tenon system

- rebated channel edge seals off the water flow
- non-directional positioning possible

Front cap

- from FILCOTEN® HPC

Optional outlet opening

- DN 100

End cap with outlet

- made of stainless steel
- DN 50

Your benefits at a glance:

- drainage channel made entirely of FILCOTEN® HPC
- environmentally friendly, stable and lightweight
- quick and easy installation
- with COMBee design grating for a completely corrosion-free system
- integrated anchoring pockets
- optionally available with outlet opening DN 100

To the final **detail** the **first choice** for **professionals.**

BG-FILCOTEN®

Be it regular day-to-day business or special projects involving extreme challenges, BG-FILCOTEN® tec, pro and one 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.

Class A 15 – F 900

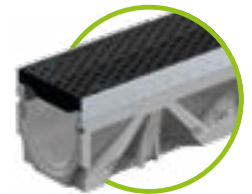


Technical data: www.say.bg/en/filcoten



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¹⁾ No use of synthetic resins.



BG-FILCOTEN® tec
up to class C | page 30 – 35



BG-FILCOTEN® pro
up to class E | page 36 – 46

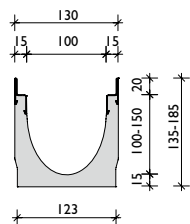
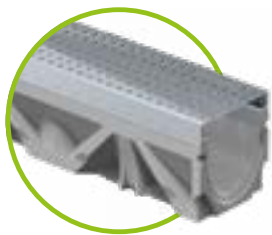


BG-FILCOTEN® green
up to class E | page 48 – 49



BG-FILCOTEN® one
up to class F | page 56 – 61

- **BG-FILCOTEN® tec**
The garden/landscaping box gutter with edge protector for greater loads up to load class C 250. Available in two edge versions – galvanised and stainless steel. Includes fiX-locking system.
- **BG-FILCOTEN® pro**
Drainage channel system for professionals with the highest expectations; load class up to E 600. Three edges to choose from: galvanised, stainless steel or ductile iron. With fiX locking system and optional bolt connection with the ductile iron edge product version.
- **BG-FILCOTEN® green**
This water treatment system guarantees maximum sustainability. Based on BG-FILCOTEN® pro with a nominal width of 400 mm and a construction height of 640 mm.
- **BG-FILCOTEN® one**
Revolutionary monolithic channel system with integrated grating made of FILCOTEN® HPC. Maximum robustness, load class up to F 900. Inlet slots in a unique S-line design deliver high drainage performance.

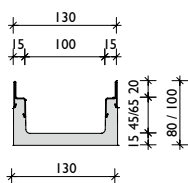


galvanised steel edge or stainless steel edge

BG-FILCOTEN[®] tec incl. edge, 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	Pc./Pallet
10410200	tec V NW 100, no. 0	0.0 %	13.4 kg	30
10410250	tec V NW 100, no. 0, L = 500 mm	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, outlet opening DN 100	0.0 %	13.1 kg	30
10410271	tec V NW 101 no. 5-0, outlet opening DN 100	0.0 %	15.8 kg	25
10410272	tec V NW 101 no. 10-0, 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	Pc./Pallet
10410300	tec E NW 100, no. 0 ¹⁾	0.0 %	13.4 kg	30
10410350	tec E NW 100, no. 0, L = 500 mm ¹⁾	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, outlet opening DN 100 ¹⁾	0.0 %	13.1 kg	25
10410371	tec E NW 101 no. 5-0, outlet opening DN 100 ¹⁾	0.0 %	15.8 kg	25
10410372	tec E NW 101 no. 10-0, 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 with edge, 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	Pc./Pallet
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, outlet opening DN 100	0.0 %	8.8 kg	48
10210272	tec V mini NW 101, H=100 mm, outlet opening DN 100	0.0 %	10.3 kg	42
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pc./Pallet
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 E mini NW 101, H=80 mm, outlet opening DN 100 ¹⁾	0.0 %	8.8 kg	48
10210372	tec E mini NW 101, H=100 mm, outlet opening DN 100 ¹⁾	0.0 %	10.3 kg	42

Channel body with outlet opening

The position of the outlet opening and/or the lateral drill-hole (left/right) can be freely selected.

Maximum lateral drilling diameter:

- with NW 100 \varnothing 86 mm
- with NW 150 \varnothing 130 mm
- with NW 200 \varnothing 180 mm

T-elements or train crossings can be produced quickly and easily.



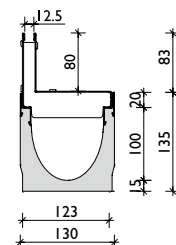
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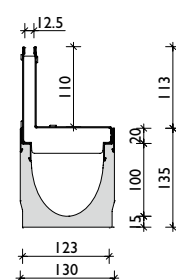
Gratings and accessories

for BG-FILCOTEN® tec and tec mini with galvanised (V) or stainless steel edge (E), NW 100

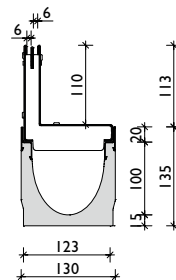
Item no.	Gratings with fiX-locking (no bolt connection)	Load class	Weight	Pc./pallet
17010220	tec mesh grating 1000/122/20, MW 30/10	B 125	2.8 kg	120
17010221	tec mesh grating 500/122/20, MW 30/10	B 125	1.4 kg	48
17010222	tec mesh grating 1000/122/20, MW 30/10	C 250	3.3 kg	120
17010223	tec mesh grating 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
17010302	tec slotted grating 1000/122/20, SW 8/80, stainless steel ¹⁺³⁾	A 15	1.5 kg	120
17010303	tec slotted grating 500/122/20, SW 8/80, stainless steel ¹⁺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
17010306	tec slotted grating 1000/122/20, SW 8/80, stainless steel ¹⁺³⁾	C 250	4.5 kg	60
17010307	tec slotted grating 500/122/20, SW 8/80, stainless steel ¹⁺³⁾	C 250	2.2 kg	48
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
17010304	tec perforated grating 1000/122/20, Ø 6.0 mm, stainless steel ¹⁾	A 15	1.9 kg	120
17010305	tec perforated grating 500/122/20, Ø 6.0 mm, stainless steel ¹⁾	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
17010328	tec perforated grating 1000/122/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	3.3 kg	96
17010329	tec perforated grating 500/122/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	1.7 kg	48
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
17010111	tec ductile iron slotted grating 500/122/20, SW 10/100	B 125	2.6 kg	240
17010101	tec ductile iron elongated bar grating 500/122/20, MW 29/13	C 250	3.2 kg	240
17010106	tec ductile iron elongated 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	Load class	Weight	Pc./pallet
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, Heel-proof V NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250	5.8 kg	36
17111205	Slot top 2S, Heel-proof V NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	3.0 kg	24
17111206	Maintenance unit 2S, Heel-proof 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 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg	
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic		0.1 kg	
Item no.	BG-FILCOTEN® slot tops E asymmetric incl. accessories	Load class	Weight	Pc./pallet
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, Heel-proof E NW 100, 1000/123/103, SH 80, SW 2x6 mm	B 125	5.0 kg	48
17111311	Slot top 2S, Heel-proof E NW 100, 500/123/103, SH 80, SW 2x6 mm	B 125	2.5 kg	24
17111312	Maintenance unit 2S, Heel-proof E NW 100, 500/123/103, SH 80, SW 2x6 mm	B 125	4.3 kg	24
17111304	Slot top 2S, Heel-proof E NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250	5.8 kg	36
17111305	Slot top 2S, Heel-proof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	3.0 kg	24
17111306	Maintenance unit 2S, Heel-proof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250	5.3 kg	24
17111307	Slot top 3S, Heel-proof E NW 100, 1000/123/133, SH 110, SW 3x6 mm	C 250	6.5 kg	36
17111308	Slot top 3S, Heel-proof E NW 100, 500/123/133, SH 110, SW 3x6 mm	C 250	3.3 kg	24
17111309	Maintenance unit 3S, Heel-proof 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 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg	
37963	Cover tape for all slot tops, 50 mm wide, roll of 33m		0.1 kg	
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic		0.1 kg	
Item no.	Accessories	Material	Weight	Pc./pallet
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
30030	Odour trap made of PVC sewer pipes DN 150/87°	Plastic	3.9 kg	
30056	Odour trap for sump unit for back-fitting DN 100	Plastic	0.1 kg	
30019	Odour trap for outlet opening DN 100	Plastic	0.2 kg	
19010400	Front/end cap DN 100	Plastic	0.1 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, incl. nuts ⁴⁾	galvanised	1.1 kg	
19015927	SET installation supports, size 1, top section, incl. bolts	galvanised	0.4 kg	



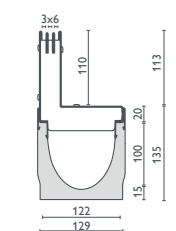
Slot top SW 12.5
Class B



Slot top
SW 12.5 class C



Slot top 2S,
Heel-proof
SW 2x6, class C



Slot top 3S,
Heel-proof
SW 3x6, class C



Slot tops symmetric, for load class D 400 or special slot tops on request.

Installation guidelines at www.bg-graspoinetner.com

NEW

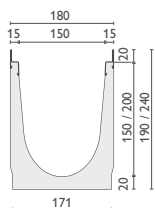
NEW

NEW

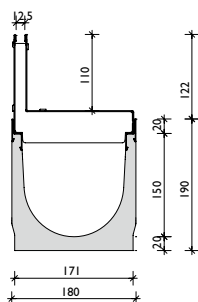
up to class C 250

BG-FILCOTEN®

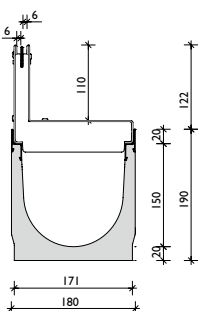
tec



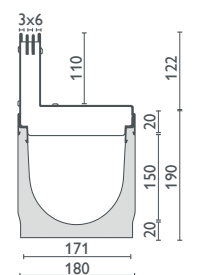
galvanised
or stainless steel edge



Slot top
SW 12.5, class C



Slot top 2S,
Heel-proof
SW 2x6, class C



Slot top 3S,
Heel-proof
SW 3x6, class C

BG-FILCOTEN® tec incl. edge, 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	Pc./Pallet
10415200	tec V NW 150, no. 0	0.0 %	22.2 kg	16
NEW 10415250	tec V NW 150, no. 0, L = 500 mm	0.0 %	11.2 kg	16
NEW 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	0.0 %	14.1 kg	16
10415270	tec V NW 151 no. 0, outlet opening DN 150	0.0 %	21.3 kg	16
NEW 10415272	tec V NW 151 no. 10-0, outlet opening DN 150	0.0 %	27.3 kg	12
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pc./Pallet
10415300	tec E NW 150, no. 0 ¹⁾	0.0 %	22.2 kg	16
10415350	tec E NW 150, no. 0, L = 500 mm ¹⁾	0.0 %	11.2 kg	16
NEW 10415362	tec E NW 150, no. 10-0 ¹⁾	0.0 %	28.2 kg	12
NEW 10415352	tec E NW 150, no. 10-0, L = 500 mm ¹⁾	0.0 %	14.1 kg	16
10415370	tec E NW 151, no. 0, outlet opening DN 150	0.0 %	21.3 kg	16
NEW 10415372	tec E NW 151 no. 10-0, outlet opening DN 150	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 (no bolt connection)	Load class	Weight	Pc./pallet
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
NEW 17015223	tec mesh grating 500/172/20, MW 30/10	C 250	3.6 kg	48
NEW 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
NEW 17015228	tec perforated grating 1000/172/20, Ø 6.0 mm	C 250	7.0 kg	40
NEW 17015229	tec perforated grating 500/172/20, Ø 6.0 mm	C 250	3.5 kg	28
NEW 17015328	tec perforated grating 1000/172/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	7.0 kg	40
NEW 17015329	tec perforated grating 500/172/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	3.5 kg	28
17015111	tec ductile iron slotted grating 500/172/20, SW 10/50	B 125	4.5 kg	128
17015101	tec ductile iron elongated bar grating 500/172/20, MW 29/13	C 250	5.1 kg	128
tec design gratings – different designs ¹⁺³⁾ 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	Load class	Weight	Pc./pallet
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, Heel-proof V NW 150, 1000/173/143, SH 110, SW 2x6 mm	C 250	7.0 kg	24
17116205	Slot top 2S, Heel-proof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250	3.5 kg	16
17116206	Maintenance unit 2S, Heel-proof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250	6.1 kg	16
37962	Construction time cover 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		0.1 kg	
Item no.	BG-FILCOTEN® slot tops E asymmetric incl. accessories	Load class	Weight	Pc./pallet
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, Heel-proof E NW 150, 1000/173/143, SH 110, SW 2x6 mm ¹⁾	C 250	7.0 kg	24
17116305	Slot top 2S, Heel-proof E NW 150, 500/173/143, SH 110, SW 2x6 mm ¹⁾	C 250	3.5 kg	16
17116306	Maintenance unit 2S, Heel-proof E NW 150, 500/173/143, SH 110, SW 2x6 mm ¹⁾	C 250	6.1 kg	16
NEW 17116307	Slot top 3S, Heel-proof E NW 150, 1000/173/143, SH 110, SW 3x6 mm ¹⁾	C 250	7.7 kg	24
NEW 17116308	Slot top 3S, Heel-proof E NW 150, 500/173/143, SH 110, SW 3x6 mm ¹⁾	C 250	3.9 kg	16
NEW 17116309	Maintenance unit 3S, Heel-proof E NW 150, 500/173/143, SH 110, SW 3x6 mm ¹⁾	C 250	6.5 kg	16
37962	Construction time cover for slot top SW 12 mm and SW 2x6 mm, L = 1000 mm, wood		0.1 kg	
37963	Cover tape for all slot tops, 50 mm wide, roll of 33m		0.1 kg	
13399	Opening tool for maintenance unit cover – 2 pcs. required, plastic		0.1 kg	



Slot tops symmetric, for load class D 400 and 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.

Accessories

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

Item no.	Accessories	Material	Weight	Pc./pallet
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 500/197/650 incl. pipe coupling DN 150 and plastic Silt bucket ¹⁾	FILCOTEN® HPC	40.3 kg	8
30030	Odour trap made of PVC sewer pipes DN 150/87°	Plastic	3.9 kg	
30057	Odour trap for sump unit for back-fitting 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, incl. nuts ²⁾	galvanised	1.2 kg	
19020927	SET installation supports, size 2, top section, incl. bolts	galvanised	0.5 kg	

NEW
NEW

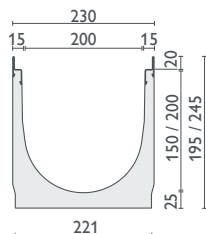
References



up to class C 250

BG-FILCOTEN®

tec



galvanised or stainless
steel edge

BG-FILCOTEN® tec incl. edge, 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	Pc./Pallet
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
10420200	tec V NW 200, no. 0	0.0 %	34.0 kg	9
10420250	tec V NW 200, no. 0, L=500 mm	0.0 %	17.0 kg	6
10220270	tec V NW 201, H = 195 mm, outlet opening DN 200	0.0 %	28.4 kg	12
10420270	tec V NW 201, no. 0, outlet opening DN 200	0.0 %	32.4 kg	9
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pc./Pallet
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
10420300	tec E NW 200, no. 0	0.0 %	34.0 kg	9
10420350	tec E NW 200, no. 0, L=500 mm	0.0 %	17.0 kg	6
10220370	tec E NW 201, H = 195 mm, outlet opening DN 200	0.0 %	28.4 kg	12
10420370	tec E NW 201, no. 0, outlet opening DN 200	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 fixX-locking (no bolt connection)	Load class	Weight	Pc./Pallet
17020220	tec mesh grating 1000/222/20, MW 30/10	B 125	6.0 kg	60
17020221	tec mesh grating 500/222/20, MW 30/0	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 30/0	C 250	4.5 kg	28
17020322	tec mesh grating 1000/222/20, MW 30/1, 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 elongated bar grating 500/222/20, MW 29/13	C 250	7.3 kg	98
tec design gratings – different designs ¹⁺³⁾ see pro design gratings NW 200				
32089	tec anti-vandalism locking device Requirement: 2 pieces per grating	Stainless steel	0.1 kg	
Item no.	Accessories	Material	Weight	Pc./Pallet
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 500/261/650 incl. pipe coupling DN 200 and plastic Silt bucket ¹⁾	FILCOTEN® HPC	48.0 kg	6
30040	Odour trap made of PVC bends DN 200/87°	Plastic	7.4 kg	
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, incl. nuts ²⁾	galvanised	1.2 kg	
19020927	SET installation supports, size 2, top section, incl. bolts	galvanised	0.5 kg	



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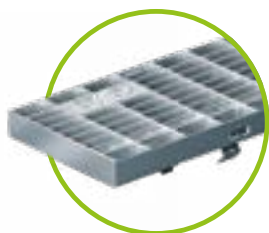
¹⁾ Delivery time on request.

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

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



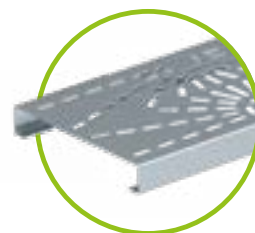
Slotted grating, class A and C
galvanised / stainless steel, SW 8/80
for **NW 100**



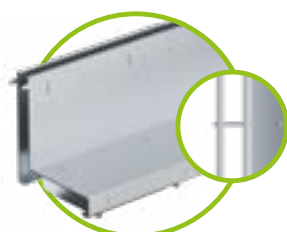
Mesh grating, class B – galvanised
steel and class C galvanised / stain-
less steel, MW 30/10,
for all **NW**



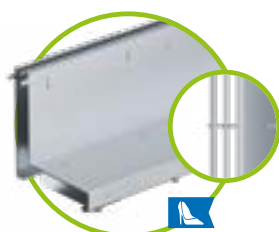
Perforated grating
galvanised / stainless steel, Ø 6.0 mm
Class A and class C for **NW 100**
Class C for **NW 150, 200**



Design gratings
different designs
for **NW 100**



slot top SW 12.5 mm,
Class B for **NW 100** – galvanised,
Class C for **NW 100 and 150**
galvanised and stainless steel



Slot top 2S, Heel-proof
SW 2x6 mm, class B for **NW 100, E**
Class C for **NW 100 & 150, V & E**



Slot top 3S, Heel-proof
SW 3x6 mm, class C, for **NW 100**
and **150**, stainless steel



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



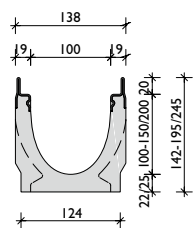
Ductile iron elongated bar
grating MW 29/13, class C
for all **NW**



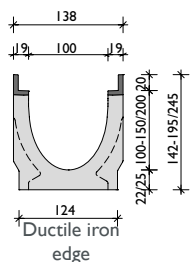
Ductile iron elongated bar
grating MW 29/6
narrow SW, class C
for **NW 100**



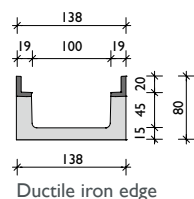
Ductile iron slotted grating SW
10/100, 10/150
Class B – for **NW 100 and 150**



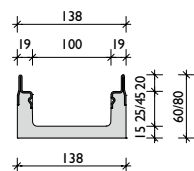
galvanised steel edge or stainless steel edge



Ductile iron edge



Ductile iron edge



galvanised or stainless steel edge

BG-FILCOTEN[®] pro incl. edge, NW 100

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

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pc./Pallet
10610200	pro V NW 100, no. 0	0.0 %	18.3 kg	25
10610280	pro V NW 100, no. 0, L = 500 mm	0.0 %	9.6 kg	20
10610261	pro V NW 100, no. 5-0	0.0 %	21.6 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, outlet opening DN 100	0.0 %	18.0 kg	25
10610271	pro V NW 101 no. 5-0, outlet opening DN 100	0.0 %	21.3 kg	20
10610272	pro V NW 101 no. 10-0, outlet opening DN 100	0.0 %	24.6 kg	20
10610274	pro V NW 101 no. 20-0, 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	Pc./Pallet
10610100	pro G NW 100, no. 0	0.0 %	19.1 kg	25
10610180	pro G NW 100, no. 0, L = 500 mm	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, outlet opening DN 100	0.0 %	18.8 kg	25
10610171	pro G NW 101 no. 5-0, outlet opening DN 100	0.0 %	22.3 kg	20
10610172	pro G NW 101 no. 10-0, outlet opening DN 100	0.0 %	25.8 kg	20
10610174	pro G NW 101 no. 20-0, 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	Pc./Pallet
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, outlet opening DN 100 ¹⁾	0.0 %	18.0 kg	25
10610372	pro E NW 101 no. 10-0, 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

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

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

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pc./Pallet
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, outlet opening DN 100	0.0 %	8.9 kg	50
10510271	pro V mini NW 101 H = 80 mm, outlet opening DN 100	0.0 %	11.0 kg	40
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pc./Pallet
10510101	pro G mini NW 100, H = 80 mm	0.0 %	12.2 kg	40
10510171	pro G mini NW 101 H = 80 mm, outlet opening DN 100	0.0 %	12.0 kg	40
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pc./Pallet
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, outlet opening DN 100 ¹⁾	0.0 %	8.9 kg	50
10510371	pro E mini NW 101 H = 80 mm, outlet opening DN 100 ¹⁾	0.0 %	11.0 kg	40

¹⁾ Delivery time on request.

²⁾ Lateral and/or vertical drill-hole, see picture on page 37.

³⁾ No anti-vandalism locking device possible.

⁴⁾ Bolting only possible when used with ductile iron edge / locking device kit to be ordered separately

⁵⁾ If the lower part is not used, threaded rods and nuts must be provided by the customer.

Gratings and accessories

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

Item no.	Gratings with fiX-locking (no bolt connection)	Load class	Weight	Pc./Pallet
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⁺³⁾	C 250	4.5 kg	60
17010207	pro slotted grating 500/122/20, SW 8/80 ¹⁺³⁾	C 250	2.2 kg	48
17010306	pro slotted grating 1000/122/20, SW 8/80, stainless steel ¹⁺³⁾	C 250	4.5 kg	60
17010307	pro slotted grating 500/122/20, SW 8/80, stainless steel ¹⁺³⁾	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
17010402	pro COMBee-design grating 500/123/20, Ø 7.3 mm, plastic PA6 ³⁾	C 250	1.1 kg	160
17010101	pro ductile iron elongated bar grating 500/122/20, MW 29/13	C 250	3.2 kg	240
17010106	pro ductile iron elongated bar grating 500/122/20, MW 29/6, narrow SW	C 250	3.6 kg	240
17010104	pro ductile iron elongated bar grating 500/122/20, MW 29/13	D 400	3.4 kg	240
17010110	pro ductile iron elongated bar grating 500/122/20, MW 28/9	D 400	3.4 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⁺³⁾	D 400	4.1 kg	240
17010184	pro ductile iron design grating "VIA" 500/122/20, SW 7 ¹⁺³⁾	D 400	3.6 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 grating	Stainless steel	0.1 kg	
Item no.	Gratings 4-point bolted (only in ductile iron edge)	Load class	Weight	Pc./Pallet
17010103	pro ductile iron elongated bar grating 500/122/20, MW 22/13 ⁴⁾	E 600	4.2 kg	240
32103	pro locking device kit for ductile iron elongated bar grating class E (1 pc. bolt, 1 pc. nut - 8 pcs. required per m)			
32109	pro locking device kit stainless steel for ductile iron elongated bar grating class E (1 pc. bolt, 1 pc. nut - 8 pcs. required per m)			
Item no.	BG-FILCOTEN® slot tops V / E asymmetric incl. accessories	Load class	Weight	Pc./Pallet
	Slot tops class C – see BG-FILCOTEN® tec NW 100			
	Slot tops class D – on request			
Item no.	Accessories	Material	Weight	Pc./Pallet
10610192	pro sump unit G 500/145/600 incl. pipe coupling DN 100 and plastic Silt bucket	FILCOTEN® HPC	33.1 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
10610392	pro sump unit E 500/145/600 incl. pipe coupling DN 100 and plastic Silt bucket ¹⁾	FILCOTEN® HPC	32.6 kg	10
30056	Odour trap for sump unit for back-fitting DN 100	Plastic	0.1 kg	
30019	Odour trap for outlet opening DN 100	Plastic	0.2 kg	
19010400	Front/end cap DN 100	Plastic	0.1 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, incl. nuts ⁵⁾	galvanised	1.1 kg	
19015927	SET installation supports, size 1, top section, incl. bolts	galvanised	0.4 kg	

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Channel body with outlet opening

The position of the outlet opening and/or the lateral drill-hole (left/right) can be freely selected.

Maximum lateral drilling diameter:

- with NW 100 Ø 86 mm
- with NW 150 Ø 130 mm
- with NW 200 Ø 180 mm

Telements or train crossings can be produced quickly and easily.



For questions, please contact our technical support team.



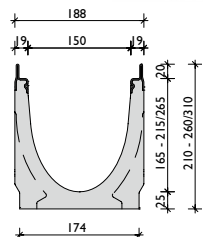
up to class E 600

BG-FILCOTEN[®]

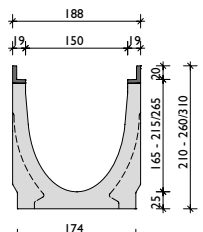
pro

BG-FILCOTEN[®] pro incl. edge, NW 150

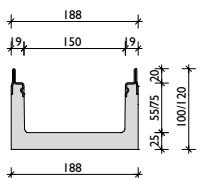
Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) with integrated ductile iron (G), galvanised (V) or stainless steel edge (E) up to class E



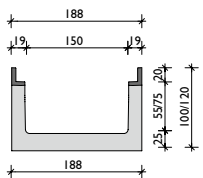
galvanised
or stainless steel edge



Ductile iron edge



galvanised
or stainless steel edge



Ductile iron edge

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pc./Pallet
10615200	pro V NW 150, no. 0	0.0 %	30.8 kg	16
10615280	pro V NW 150, no. 0, L = 500 mm	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 %	37.8 kg	12
10615264	pro V NW 150, no. 20-0	0.0 %	47.7 kg	8
10615270	pro V NW 151 no. 0, outlet opening DN 150	0.0 %	29.7 kg	16
10615271	pro V NW 151 no. 5-0, outlet opening DN 150	0.0 %	33.5 kg	12
10615272	pro V NW 151 no. 10-0, outlet opening DN 150	0.0 %	36.7 kg	12
10615274	pro V NW 151 no. 20-0, 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	Pc./Pallet
10615100	pro G NW 150, no. 0	0.0 %	31.8 kg	16
10615180	pro G NW 150, no. 0, L = 500 mm	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 %	38.8 kg	12
10615164	pro G NW 150, no. 20-0	0.0 %	48.7 kg	8
10615170	pro G NW 151 no. 0, outlet opening DN 150	0.0 %	30.7 kg	16
10615171	pro G NW 151 no. 5-0, outlet opening DN 150	0.0 %	34.5 kg	12
10615172	pro G NW 151 no. 10-0, outlet opening DN 150	0.0 %	37.7 kg	12
10615174	pro G NW 151 no. 20-0, 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	Pc./Pallet
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, outlet opening DN 150 ¹⁾	0.0 %	29.7 kg	16
10615372	pro E NW 151 no. 10-0, 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

BG-FILCOTEN[®] pro mini incl. edge, NW 150

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

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pc./Pallet
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
10515272	pro V mini NW 151 H = 100 mm, outlet opening DN 150	0.0 %	18.0 kg	24
10515270	pro V mini NW 151 H = 120 mm, outlet opening DN 150	0.0 %	19.3 kg	20
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pc./Pallet
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
10515172	pro G mini NW 151 H = 100 mm, outlet opening DN 150	0.0 %	18.9 kg	24
10515170	pro G mini NW 151 H = 120 mm, outlet opening DN 150	0.0 %	20.8 kg	20
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pc./Pallet
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
10515372	pro E mini NW 151 H = 100 mm, outlet opening DN 150 ¹⁾	0.0 %	18.0 kg	24
10515370	pro E mini NW 151 H = 120 mm, outlet opening DN 150 ¹⁾	0.0 %	19.3 kg	20

¹⁾ Delivery time on request.

²⁾ Lateral and/or vertical drilling, see picture on page 37.

³⁾ No anti-vandalism locking device possible.

⁴⁾ Bolting only possible when used with ductile iron edge / locking device kit to be ordered separately

⁵⁾ If the lower part is not used, threaded rods and nuts must be provided by the customer.

Gratings and accessories

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

Item no.	Gratings with fiX-locking (no bolt connection)	Load class	Weight	Pc./Pallet
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	tec perforated grating 1000/172/20, Ø 6.0 mm	C 250	7.0 kg	40
17015229	tec perforated grating 500/172/20, Ø 6.0 mm	C 250	3.5 kg	28
17015328	tec perforated grating 1000/172/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	7.0 kg	40
17015329	tec perforated grating 500/172/20, Ø 6.0 mm, stainless steel ¹⁾	C 250	3.5 kg	28
17015101	pro ductile iron elongated bar grating 500/172/20, MW 29/13	C 250	5.1 kg	128
17015104	pro ductile iron elongated bar grating 500/172/20, MW 29/13	D 400	5.2 kg	128
17015110	pro ductile iron elongated bar grating 500/172/20, MW 28/9	D 400	5.5 kg	128
17015105	pro ductile iron slotted grating 500/172/20, SW 14/150	E 600	7.0 kg	96
17015183	pro ductile iron design grating "KIARO" 500/172/20, SW 7 ¹⁺³⁾	D 400	6.0 kg	128
17015184	pro ductile iron design grating "VIA" 500/172/20, SW 7 ¹⁺³⁾	D 400	5.6 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 grating	Stainless steel	0.1 kg	
Item no.	Gratings 4-point bolted (only in ductile iron edge)	Load class	Weight	Pc./Pallet
17015103	pro ductile iron elongated bar grating 500/172/20, MW 22/13 ⁴⁾	E 600	7.2 kg	128
17015108	pro ductile iron slotted grating 500/172/20, SW 14/150 ⁴⁾	D 400	5.5 kg	128
32103	pro locking device kit for ductile iron grating class D and E (1 pc. bolt, 1 pc. 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	Load class	Weight	Pc./Pallet
	Slot tops class C – see BG-FILCOTEN® tec NW 150 Slot tops class D – on request			
Item no.	Accessories	Material	Weight	Pc./Pallet
10615192	pro sump unit G 500/200/690 incl. pipe coupling DN 150 and plastic Silt bucket	FILCOTEN® HPC	45.3 kg	8
10615292	pro sump unit V 500/200/690 incl. pipe coupling DN 150 and plastic Silt bucket	FILCOTEN® HPC	44.8 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
30030	Odour trap made of PVC sewer pipes DN 150/87°	Plastic	3.9 kg	
30057	Odour trap for sump unit for back-fitting 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, incl. nuts ⁵⁾	galvanised	1.2 kg	
19020927	SET installation supports, size 2, top section, incl. bolts	galvanised	0.5 kg	

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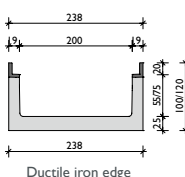
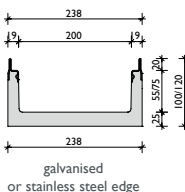
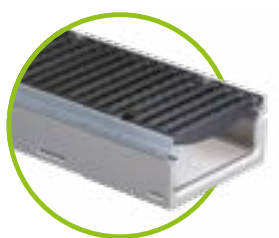
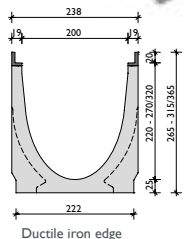
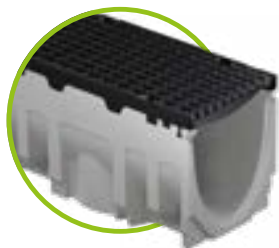
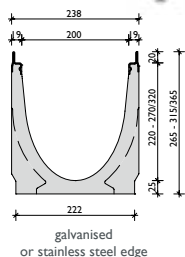
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up to class E 600

BG-FILCOTEN[®]

pro



BG-FILCOTEN[®] pro incl. edge, NW 200

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

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pc./Pallet
10620200	pro V NW 200, no. 0	0.0 %	44.0 kg	9
10620280	pro V NW 200, no. 0, L = 500 mm	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 Nr. 0, outlet opening DN 200	0.0 %	41.1 kg	9
10620271	pro V NW 201 Nr. 5-0, outlet opening DN 200	0.0 %	46.1 kg	6
10620272	pro V NW 201 Nr. 10-0, outlet opening DN 200	0.0 %	51.1 kg	6
10620274	pro V NW 201 Nr. 20-0, 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	Pc./Pallet
10620100	pro G NW 200, no. 0	0.0 %	45.0 kg	9
10620180	pro G NW 200, no. 0, L = 500 mm	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, outlet opening DN 200	0.0 %	42.1 kg	9
10620171	pro G NW 201 no. 5-0, outlet opening DN 200	0.0 %	47.1 kg	6
10620172	pro G NW 201 no. 10-0, outlet opening DN 200	0.0 %	52.1 kg	6
10620174	pro G NW 201 no. 20-0, 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	Pc./Pallet
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 Nr. 0, outlet opening DN 200 ¹⁾	0.0 %	41.1 kg	9
10620372	pro E NW 201 Nr. 10-0, 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

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

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

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pc./Pallet
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
10520272	pro V NW 201 mini H = 100 mm, outlet opening DN 200	0.0 %	19.4 kg	24
10520270	pro V NW 201 mini H = 120 mm, outlet opening DN 200	0.0 %	21.3 kg	18
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pc./Pallet
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
10520172	pro G mini NW 201 H = 100 mm, outlet opening DN 200	0.0 %	20.9 kg	24
10520170	pro G mini NW 201 H = 120 mm, outlet opening DN 200	0.0 %	22.5 kg	18
Item no.	Channel body with stainless steel edge and safety joint	Slope	Weight	Pc./Pallet
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
10520372	pro E mini NW 201 H = 100 mm, outlet opening DN 200 ¹⁾	0.0 %	19.4 kg	24
10520370	pro E mini NW 201 H = 120 mm, outlet opening DN 200 ¹⁾	0.0 %	21.3 kg	18

¹⁾ Delivery time on request.

²⁾ Lateral and/or vertical drill-hole, see picture on page 37.

³⁾ No anti-vandalism locking device possible.

⁴⁾ Bolting only possible when used with ductile iron edge / locking device kit to be ordered separately

⁵⁾ If the lower part is not used, threaded rods and nuts must be provided by the customer.

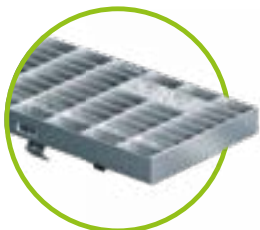
Gratings and accessories

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

Item no.	Gratings with fiX-locking (no bolt connection)	Load class	Weight	Pc./Pallet
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	14
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 elongated bar grating 500/222/20, MW 29/13	C 250	7.3 kg	98
17020104	pro ductile iron elongated 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⁺³⁾	D 400	7.9 kg	70
17020184	pro ductile iron design grating "VIA" 500/222/20, SW 6 ¹⁺³⁾	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 grating	Stainless steel	0.1 kg	
Item no.	Gratings 4-point bolted (only in ductile iron edge)	Load class	Weight	Pc./Pallet
17020103	pro ductile iron elongated bar grating 500/222/20, MW 22/13 ⁴⁾	E 600	8.8 kg	98
17020108	pro ductile iron slotted grating 500/222/20, SW 14/200 ⁴⁾	D 400	7.9 kg	98
32103	pro locking device kit for ductile iron grating class D and E (1 pc. bolt, 1 pc. 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.	Accessories	Material	Weight	Pc./Pallet
10620192	pro sump unit G 500/265/750 incl. pipe coupling DN 200 and plastic Silt bucket	FILCOTEN® HPC	49.1 kg	6
10620292	pro sump unit V 500/265/750 incl. pipe coupling DN 200 and plastic Silt bucket	FILCOTEN® HPC	48.7 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
30040	Odour trap made of PVC sewer pipes DN 200/87°	Plastic	7.4 kg	
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 und H=120 mm)	galvanised	0.3 kg	
19015300	pro mini front cap (H=100 und H=120 mm) ¹⁾	Stainless steel	0.3 kg	
19020926	SET installation supports, size 2, lower section, incl. nuts ⁵⁾	galvanised	1.2 kg	
19020927	SET installation supports, size 2, top section, incl. bolts	galvanised	0.5 kg	

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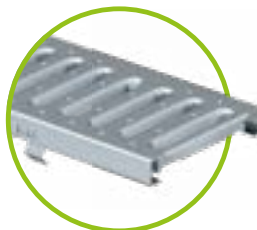
Gratings: BG-FILCOTEN[®] pro and pro mini NW 100, 150, 200



Mesh grating MW 30/10
Class C, galvanised & stainless steel
for NW 100 to 200



Mesh grating MW 25/10, class D
NW 100 – galvanised & stainless steel
NW 150 and 200 – galvanised



Slotted grating SW 8/80,
class C, galvanised & stainless steel,
For NW 100



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



Ductile iron slotted grating SW 14/100,
14/150, 14/200
For NW 100 bis 200
class E with fiX-locking
for NW 150 to 200
Class D 4-point bolted



COMBee design grating
Ø 7.3 mm, class C
Plastic PA6
for NW 100



Ductile iron elongated bar grating
MW 29/6 class C, narrow SVV
for NW 100



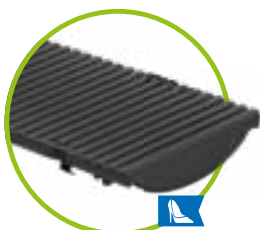
Ductile iron elongated bar grating
MW 29/13, class C or class D
for NW 100 to 200



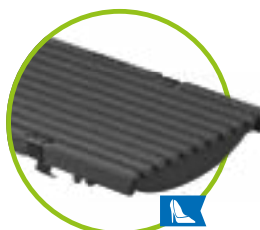
Ductile iron elongated bar grating
MW 28/9, class D
for NW 100 and 150



Ductile iron elongated bar
grating MW 22/13
Class E – 4-point bolted only
available in ductile iron edge
for NW 100 to 200



Ductile iron design grating
KIARO, class D, SVV 7
for NW 100 to 200



Ductile iron design grating
VIA, class D, SVV 6-7
for NW 100 to 200



Ductile iron design grating
VILLE, class E, SVV 7
for NW 100 to 200

References



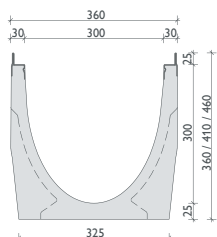
up to class E 600

BG-FILCOTEN[®]

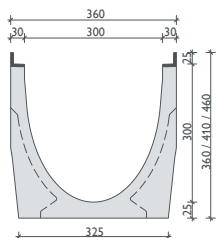
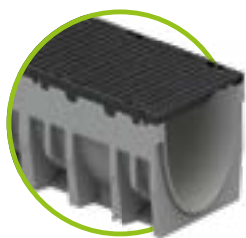
pro

BG-FILCOTEN[®] pro incl. edge, NW 300

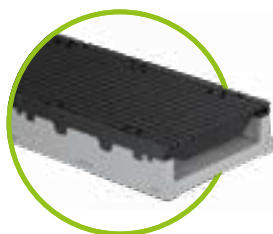
Drainage channel made of FILCOTEN[®] HPC (High Performance Concrete) with integrated ductile iron (G) or galvanised steel edge (V), up to class E



galvanised steel edge



Ductile iron edge

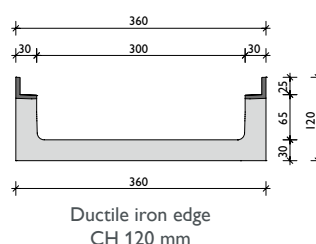
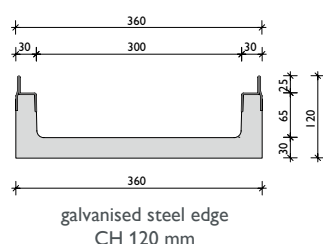


Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pc./Pallet
10630200	pro V NW 300, no. 0	0.0 %	75.6 kg	6
10630280	pro V NW 300, no. 0, L = 500 mm	0.0 %	37.9 kg	4
10630261	pro V NW 300, no. 5-0 ¹⁾	0.0 %	82.2 kg	6
10630262	pro V NW 300, no. 10-0 ¹⁾	0.0 %	88.6 kg	6
10630264	pro V NW 300, no. 20-0 ¹⁾	0.0 %	109.0 kg	6
10630270	pro V NW 301 no. 0, outlet opening DN 200	0.0 %	71.8 kg	6
10630271	pro V NW 301 no. 5-0, outlet opening DN 200	0.0 %	78.4 kg	6
10630272	pro V NW 301 no. 10-0, outlet opening DN 200	0.0 %	84.8 kg	6
10630274	pro V NW 301 no. 20-0, outlet opening DN 200	0.0 %	105.2 kg	6
10630201-10	pro V NW 300, no. 1 to no. 10 ¹⁾	0.5 %	76.3 – 88.0 kg	6
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pc./Pallet
10630100	pro G NW 300, no. 0	0.0 %	77.3 kg	6
10630180	pro G NW 300, no. 0, L = 500 mm	0.0 %	38.8 kg	4
10630161	pro G NW 300, no. 5-0 ¹⁾	0.0 %	83.9 kg	6
10630162	pro G NW 300, no. 10-0 ¹⁾	0.0 %	90.3 kg	6
10630164	pro G NW 300, no. 20-0 ¹⁾	0.0 %	110.7 kg	6
10630170	pro G NW 301 no. 0, outlet opening DN 200	0.0 %	73.5 kg	6
10630171	pro G NW 301 no. 5-0, outlet opening DN 200	0.0 %	80.1 kg	6
10630172	pro G NW 301 no. 10-0, outlet opening DN 200	0.0 %	86.5 kg	6
10630174	pro G NW 301 no. 20-0, outlet opening DN 200	0.0 %	106.9 kg	6
10630101-10	pro G NW 300, no. 1 to no. 10 ¹⁾	0.5 %	78.0 – 89.7 kg	6

BG-FILCOTEN[®] pro mini incl. edge, NW 300

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

Item no.	Channel body with galvanised steel edge and safety joint	Slope	Weight	Pc./Pallet
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, outlet opening DN 200	0.0 %	34.2 kg	12
Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pc./Pallet
10530100	pro G mini NW 300, H = 120 mm	0.0 %	37.9 kg	12
10530170	pro G mini NW 301 H = 120 mm, outlet opening DN 200	0.0 %	35.9 kg	12



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¹⁾ Delivery time on request.

²⁾ Locking device kit to be ordered separately

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

Gratings and accessories

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

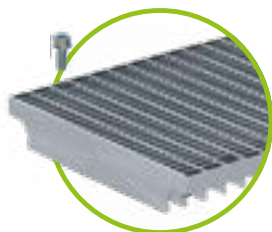
Item no.	Gratings with fix-locking – 4-point bolted	Load class	Weight	Pc./Pallet
17030222	per mesh grating 1000/347/25, MW 30/10 ²⁾ without fix-locking	C 250	23.1 kg	24
17030223	Per mesh grating 500/347/25, MW 30/10 ²⁾ without fix-locking	C 250	11.6 kg	24
17030102	pro ductile iron elongated bar grating 500/347/25, MW 29/13 ²⁾	D 400	15.2 kg	30
17030103	pro ductile iron elongated 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
17030183	pro ductile iron design grating "KIARO" 500/347/25, SW 7 ¹⁺²⁾ without fix-locking	D 400	19.3 kg	30
17030184	pro ductile iron design grating "VIA" 500/347/25, SW 6 ¹⁺²⁾ without fix-locking	D 400	17.5 kg	30
17030180	pro ductile iron design grating "VILLE" 500/347/25, SW 8 ¹⁺²⁾ without fix-locking	E 600	20.0 kg	30
32112	pro locking device kit for mesh grating class C (1 pc. bolt, 1 pc. nut – 4 pcs. required per m)			
32110	pro locking device kit for ductile iron grating class D and E (1 pc. bolt, 1 pc. nut - 8 pcs. required per m)			
32122	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.	Accessories	Material	Weight	Pc./Pallet
10630192	Sump unit G 560/520/950, 2-part, incl. pipe coupling DN 200 and Silt bucket made of galvanised steel	FILCOTEN® HPC	127.0 kg	2
10630292	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
30040	Odour trap made of PVC sewer pipes DN 200/87°	Plastic	7.4 kg	
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	
19030926	SET installation supports, size 3, lower section, incl. nuts ³⁾	galvanised	1.4 kg	
19030927	SET installation supports, size 3, top section, incl. bolts	galvanised	0.7 kg	

NEW
NEW

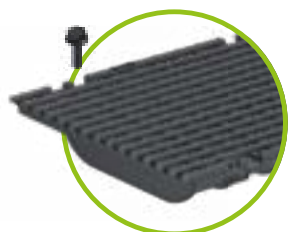


With NW 300, gratings can also be bolted onto the galvanised edge

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



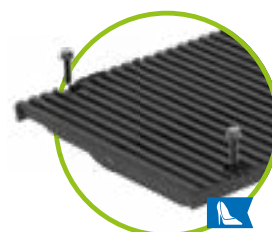
Mesh grating MW 30/10
Class C, galvanised
4-point bolted



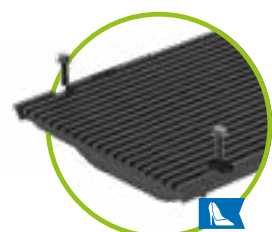
Ductile iron elongated bar
grating
MW 29/13, class D or class E
4-point bolted



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



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



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

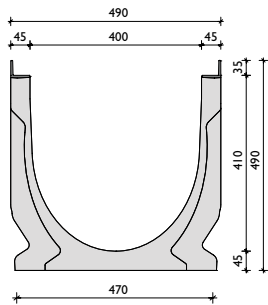


Ductile iron design grating
VILLE, class E, SW 8
4-point bolted

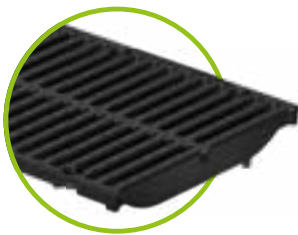
up to class E 600

BG-FILCOTEN[®]

pro



Ductile iron edge



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

BG-FILCOTEN[®] pro with ductile 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	Pc./Pallet
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, outlet opening DN 200	0.0 %	143.0 kg	4

Gratings and accessories

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

Item no.	Gratings 4-point bolted	Load class	Weight	Pc./Pallet
17040181	pro ductile iron slotted grating 500/474/35, SW 18/215 ²⁾	E 600	34.5 kg	20
32110	pro locking device kit for ductile iron slotted grating (1 pc. bolt, 1 pc. nut - 8 pcs. required per m)			
32122	pro locking device kit stainless steel for ductile iron slotted grating (1 pc. bolt, 1 pc. nut - 8 pcs. required per m)			
Item no.	Accessories	Material	Weight	Pc./Pallet
10640192	Sump unit G 560/520/1130, 2-part, incl. pipe coupling DN 200 and Silt bucket made of galvanised steel	FILCOTEN [®] HPC	178.8 kg	2
10640193	Sump unit G 560/540/1230, 2-part, incl. pipe coupling DN 300 and Silt bucket made of galvanised steel	FILCOTEN [®] HPC	226.6 kg	2
30040	Odour trap made of PVC sewer pipes DN 200/87°	Plastic	7.4 kg	
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	



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¹⁾ Delivery time on request.

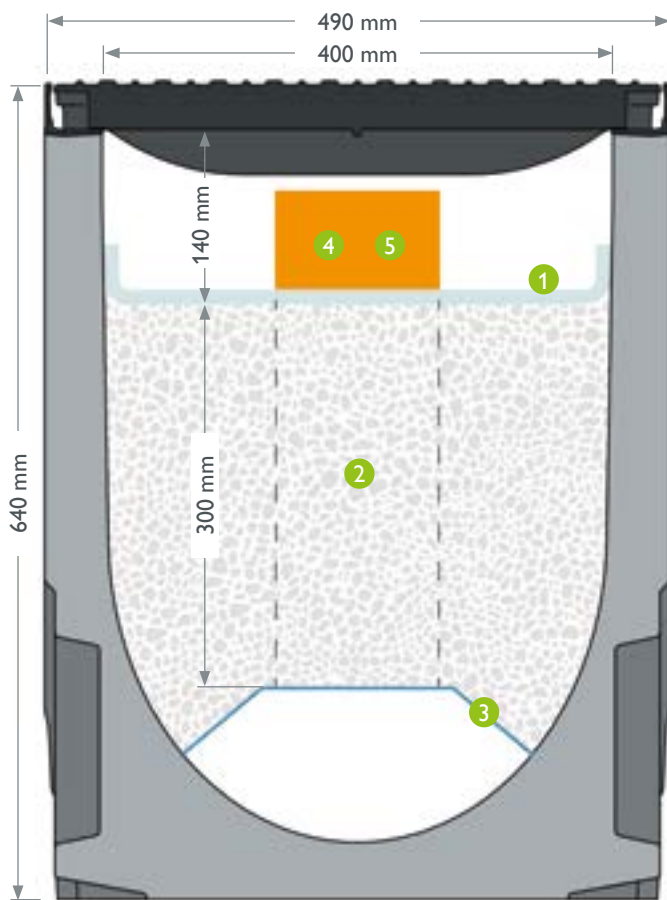
²⁾ Locking device kit to be ordered separately

References



We set the Water a new purity standard.

BG-FILCOTEN® green features an innovative filter system, enabling superior cleaning performance. At the same time, the system is easy to install and maintain.



1 Pre-filter non-woven material for efficient pre-cleaning.

- 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.

- varied applications
- excellent efficiency as well as high and lasting cleaning performance

2 Innovative cleaning filter material.

- filter material in optimised quantity, (300 mm height)
- highest cleaning performance class
- homogeneous material, no separation during use
- no risk of remobilizing heavy metals due to surface water with dissolved de-icing salts

3 Trapezoid-shaped perforated sheet metal made from stainless steel.

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

4 Optional: Control and water sampling shaft.

- control/water abstraction shaft for visual control and sampling
- easiest handling: remove grating and take a water sample
- the purified water can then be taken and tested for its ingredients

5 Optional: innovative overflow DN 150 for efficient heavy rain drainage.

- effective protection even in most extreme rainfall
- cleaning of polluted first flush via the technical filter
- unpolluted excess water can drain out through the overflow pipe in a controlled way
- ATTENTION! Official approval must be given for this device.



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¹⁾ Bolting material must be ordered separately.

BG-FILCOTEN[®] green with ductile iron edge, NW 400

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

Item no.	Channel body with ductile iron edge and safety joint	Slope	Weight	Pc./Pallet
10640166	green G NW 400, no. 30-0, L= 2000 mm	0.0 %	356.0 kg	1
10641166	green G NW 400, no. 30-0, L= 1000 mm	0.0 %	179.0 kg	1
10640176	green G NW 401, no. 30-0, CH 640, outlet opening DN 200, L = 2000 mm	0.0 %	353.0 kg	1
10641176	green G NW 401, no. 30-0, CH 640, outlet opening 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 bolted	Load class	Weight	Pc./Pallet
17040181	green ductile iron slotted grating 500/474/35, SW 18/215 ¹⁾	E 600	34.5 kg	20
32110	green locking device kit for ductile iron slotted grating (1 pc. bolt, 1 pc. nut - 8 pcs. required per m)			
32122	green locking device kit stainless steel for ductile iron slotted grating (1 pc. bolt, 1 pc. nut - 8 pcs. required per m)			



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

Accessories

Installation parts for filter unit, front-/end caps

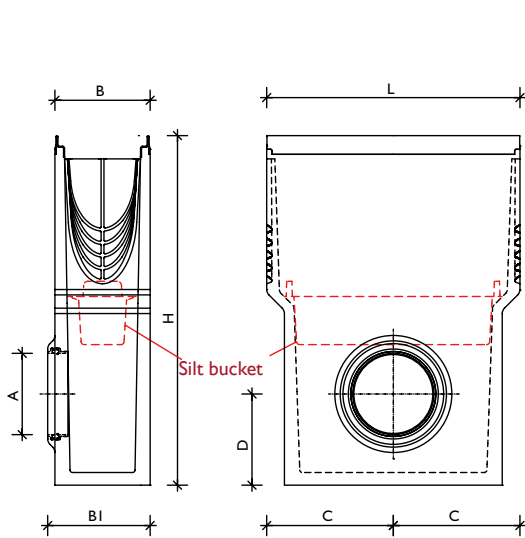
Item no.	Accessories	Material	Weight
19540910	green pre-filter mat, L = 5000 mm, B = 500 mm		0.9 kg
19500900	green filter material, Big Bag 1000 kg		1000 kg
19500901	green filter material, Big Bag 850 kg		850 kg
19500903	green filter material, Big Bag 500 kg		500 kg
19500904	green filter material, Big Bag 250 kg		250 kg
19040360	green trapezoid perforated sheet metal, L = 2000 mm	Stainless steel	5.0 kg
19040361	green trapezoid perforated sheet metal, L = 1000 mm	Stainless steel	2.5 kg
19540956	<u>Set – water sampling shaft</u> consisting of: Trapezoid perforated sheet metal with opening DN 150, L = 2000 mm, Pipe plug, bolting material	Stainless steel/ PVC	6.6 kg
19540954	<u>Set – overflow pipe</u> consisting of: Trapezoid perforated sheet metal with opening 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	Stainless steel	4.7 kg
19040351	pro end cap with outlet DN 150	Stainless steel	5.6 kg
19040500	green tool for flattening of filter material	wood	1.2 kg

 Technical data: www.say.bg/green

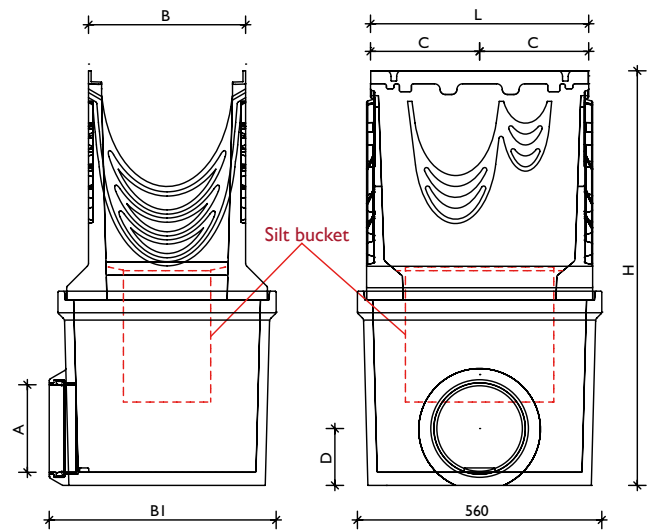


BG-FILCOTEN®

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. Silt bucket made of plastic

Channel type	Nominal width	Set item no. / one part	L	B	B 1	H	C	D	A
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
BG-FILCOTEN® tec	100	10410293 ^V / 10410393 ^E	500	130	144	500	250	130	Pipe coupling DN 100
	150	10415292 ^V / 10415392 ^E	500	180	197	650	250	190	Pipe coupling DN 150
	200	10420292 ^V / 10420392 ^E	500	230	261	650	250	184	Pipe coupling DN 200
BG-FILCOTEN® pro	100	10610292 ^V / 10610192 ^G / 10610392 ^E	500	138	145	600	250	130	Pipe coupling DN 100
	150	10615292 ^V / 10615192 ^G / 10615392 ^E	500	188	200	690	250	180	Pipe coupling DN 150
	200	10620292 ^V / 10620192 ^G / 10620392 ^E	500	238	265	750	250	135	Pipe coupling DN 200
Channel type	Nominal width	Set item no. / two parts	L	B	B 1	H	C	D	A
BG-FILCOTEN® pro	300	10630292 ^V / 10630192 ^G	500	360	520	950	250	130	Pipe coupling DN 200
		10640192 ^G	500	490	520	1130	250	130	Pipe coupling DN 200
	400	10640193 ^G	500	490	540	1230	250	190	Pipe coupling DN 300

^V Sump unit with galvanised steel edge | ^G Sump unit with ductile iron edge | ^E Sump unit with stainless steel edge



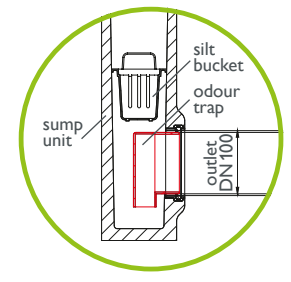
Pipe-coupling system:
A pipe fair lead is already installed in the outlet connector. The sewer pipes can be directly and quickly connected.



Sump unit incl.
Silt bucket,
made of plastic



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

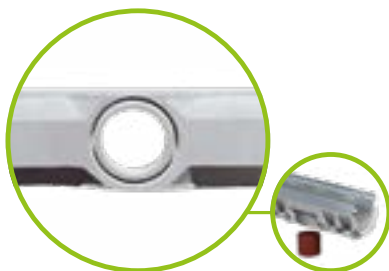


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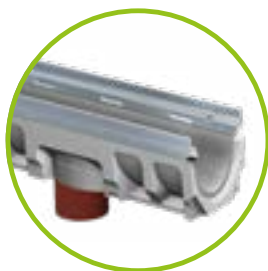
References



BG-FILCOTEN[®] tec / pro



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



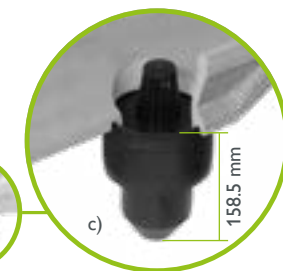
Drainpipe made from PVC, sewage pipe already fitted



a) Odour trap for bottom outlet consisting of 3 parts



b) Outlet pipe must be inserted into outlet opening from below before installation.



c) The two remaining parts complete the foul-air trap (only for NW 100)!

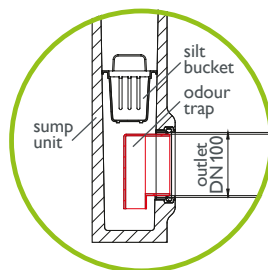
i Positioning of outlet opening: Channel end to outlet opening centre = 250 mm



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



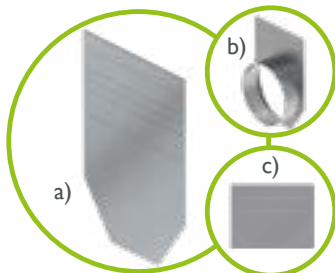
Odour trap for sump unit for back-fitting DN 100/150
Installation: Insert the odour trap from the inside and connect with the sewage pipe.



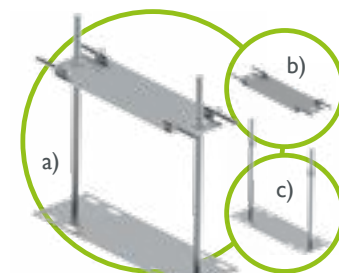
Odour trap made of PVC, bends suitable for sump units with outlets DN 150 or 200



tec/pro NW 100
Front/end cap
Plastic



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 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



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

i Detailed description on page 53



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

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

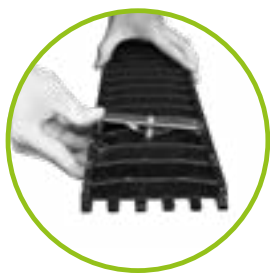
i M8 for NW 100-200 / M10 for NW 300-400

A connection that keeps what we promise.

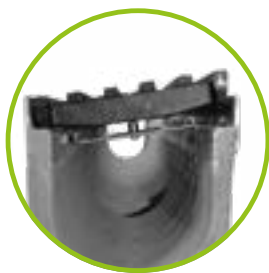
The various fixing options for our gratings meet the requirements of channel standard EN 1433. Furthermore, they also allow you to adapt the safety measures to your own specification. The fiX-locking ensures a

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)



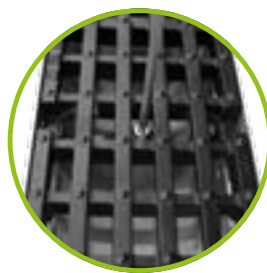
Step 1: Push the anti-vandalism locking device into the fitting springs provided for this purpose until it snaps into place.



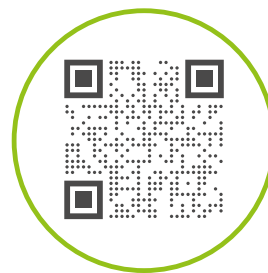
Step 2: Attach the grating as described for the fiX-locking below into the BG-FILCOTEN® tec/pro channel.



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 how to use this system at: www.say.bg/en/vandalism-locking

Simply secure: the 4 point fiX-locking

The “fiX-locking” enables a 4 point raid locking of 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 installed.

- The gratings 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.
- Look out for the recesses in the edge for the clamps against longitudinal slipping in the process.
- The fiX-locking fixes the grating in the edge. The grating 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® light

Gratings	SW, MW, Ø in mm	
1 Slotted grating	SW 8/80	
	SW 8/130	
3 Mesh grating	MW 30/10	
7 Slot top	SW 12.5	
8 Slot top 2S, Heel-proof	SW 2x6	
9 Slot top 3S, Heel-proof	SW 3x6	
10 Ductile iron mesh grating	MW 15/25	
	MW15/28	

BG-FILCOTEN® tec & city mini

Gratings	SW, MW, Ø in mm	
2 Slotted grating	SW 8/80	
4 Mesh grating	MW 30/10	
6 Perforated grating	Ø6.0	
7 Slot top	SW 12.5	
8 Slot top 2S, Heel-proof	SW 2x6	
9 Slot top 3S, Heel-proof	SW 3x6	
18 COMBee design grating	Ø7.3	
11 Ductile iron elongated bar gr.	MW 29/13	
19 Ductile iron slotted grating	SW 10	
12 Ductile iron elongated bar grating, narrow SW	MW 29/6	

BG-FILCOTEN® pro

Gratings	SW, MW, Ø mm	
2 Slotted grating	SW 8/80	
4 Mesh grating ³⁾	MW 30/10	
5 Mesh grating	MW 25/10	
6 Perforated grating	Ø6,0	
16 COMBee design grate	Ø7,3	
10 Elongated bar grating ³⁺⁴⁾	MW 29/13	
11 Ductile iron elongated bar grating, narrow SW	MW 29/6	
12 Elongated bar grating, 4-point bolted	MW 22/13	
13 Ductile iron elongated bar grating, narrow SW	MW 28/9	
15 Slotted grating ³⁺⁴⁾	SW 14	
	SW14	
	SW16	
14 ductile iron-design grating KIARO ³⁾	SW 7	
17 ductile iron-design grating VIA ³⁾	SW 6-7	
18 ductile iron-design grating VILLE ³⁾	SW 7-8	
15 pro/green ductile iron slotted gr.	SW18/215	

²⁾ Material:

V: Galvanised | E: Stainless steel
 G: Ductile iron | PA: Polyamide plastic
 KTL: KTL coated ductile iron



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 Sustainable innovation.



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

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

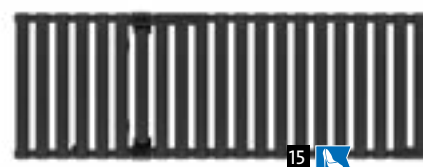
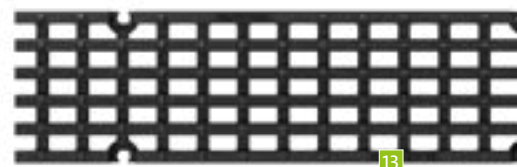
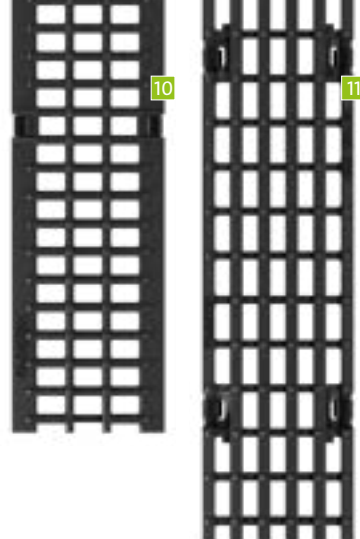
	NW 100	NW 150	NW 200	NW 300	Load class ¹⁾	Material ²⁾	
	✓		✓		C	V, E	
	✓	✓			C	V, E	
			✓	✓	C	V	
	✓				D	V, E	
		✓	✓		D	V	
	✓		✓		C	V, E	
	✓				C	PA	
	✓	✓	✓		C, D	G	
				✓	D, E	G	
	✓				C	G	
	✓	✓	✓		E	G	
	✓	✓			D	G	
	✓		✓		E	G	
		✓	✓		D, E	G	
				✓	D	G	
	✓	✓	✓	✓	D	G	
	✓	✓	✓	✓	D	G	
	✓	✓	✓	✓	E	G	
	NW 400				E	G	

¹⁾ Classes according to EN 1433:

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

³⁾ from NW 300 4-point bolted

⁴⁾ incl. fix-locking system



www.say.bg/en/blacklabel_pdf



BG-BLACK LABEL
design line

8 9 15 16 17 18

The **first** of its kind – and the most **sustainable.**



The simple ideas are often the best. The revolutionary BG-FILCOTEN® one is a great example. Channel and grating cast in one piece – made from the most innovative material on the market: FILCOTEN® HPC (High Performance Concrete).

Made from one piece, brilliantly simple.

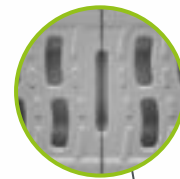
We invested a lot of work in this – and our investment paid off: Many hours of construction, design, planning and testing brought about a one-of-a-kind product that combines a great number of exceptional properties – the first of its kind.

Monolithic structure, environmentally-friendly in many ways.

FILCOTEN® HPC is a material that combines excellent properties with sustainability. 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 materials – guaranteed as harmless in terms of the biological standards of construction, as IBR certified ¹⁾, 100% recyclable. ²⁾

Inflow opening in the channel joint

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



Tongue/groove/tenon system for installation in either direction

- non-directional channel joint for easy and fast installation
- interlocking of the tongue/groove/tenon system for accurate, aligned setting of the elements
- predefined distance in the joint for optimum function of the inserting 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 causing turbulences in the inflowing water

An easy-to-use sealing system⁵⁾

- 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



Optimised intake openings

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

Cyclist- and pedestrian-friendly

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

Monolithic structure

- complete component made from FILCOTEN® HPC
- extremely robust and wear resistant
- ideal for dynamic exposure in road traffic

Verified LCA (Life Cycle Assessment)³⁾

- low greenhouse gas emission levels
- made using 100% Green Energy
- resource-efficient production 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 HPC and concrete

Integrated fully with the surrounding environment

Fine finished concrete structure and surface.

Many different areas of use.

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.

Overview of applications:

- airports
- harbours
- terminals
- Roads
- industrial areas
- logistics centres
- railway crossings
- truck and car parking spaces

¹⁾ Fulfills the strict criteria of the Institut für Baubiologie Rosenheim GmbH (IBR).

²⁾ Quality class U-A (certified by the experimental and research Institute for construction Salzburg)

³⁾ According to ISO14040; ISO14044; EN15804. ⁴⁾ No use of synthetic resins. ⁵⁾ Optional sealing profile.

Designed in detail, a system that is convincing.

Class D 400 – F 900

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

Intelligent solutions for your requirements

We achieved a great number of intelligent solutions for more efficiency, performance and, above all, easy and safe handling – from the first installation, to the daily use through to routine maintenance.

One grating – one design

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

Basic channel

- NW 200 or NW 150
- standard construction height no. 0
- Total construction length 1000 mm

Outlet element

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

Maintenance unit

- maintenance access in the style of the channel run
- Closed base
- Total construction length 1000 mm



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Front cap

- with tongue/groove/tenon system
- closure of front/end 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 of the outlet unit
- large drain outlet in channel base
- dirt collects in suspended Silt bucket
- Total construction length 1000 mm

Adapter cap

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

Retention & stepped slope

- construction height 40-0 (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)

Outlet middle part

- to increase the outlet depth
- construction height 300 mm

Lower outlet element

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

Lived sustainability:

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 and/or 50001 at the location of Oberwang/AT
- tested by the IBR – safe in terms of building biology ²⁾



www.say.bg/en/one_video

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

up to class F 900

BG-FILCOTEN[®]

one

BG-FILCOTEN[®] one, NW 150

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

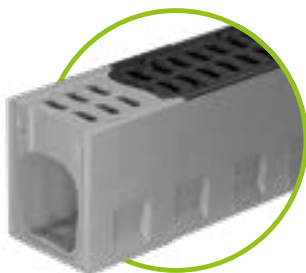
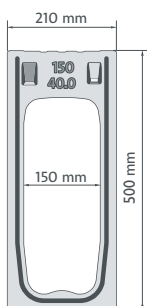
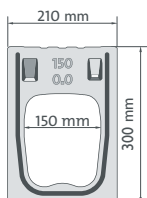
Item no.	monolithic channel body up to class F – without slope	Weight	Pc./Pallet
15015100	one NW 150 no. 0, L=1000mm, SW 23/52mm	76.6 kg	9
15015168	one NW 150 no. 40-0, L=1000mm, SW 23/52mm	107.5 kg	6

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

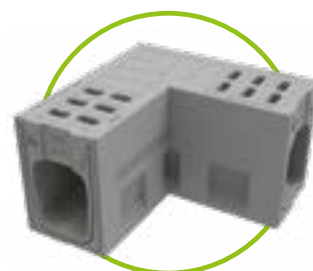
Item no.	Accessories	Weight
15015180	Maintenance unit no. 0, L=1000 mm incl. ductile iron grating ¹⁾	83 kg
15015188	Maintenance unit no. 40-0, L=1000 mm incl. ductile iron grating ¹⁾	111 kg
15015000	Variable corner element, no. 0, SW 23/52mm	85.0 kg
15015008	Variable corner element, no. 40-0, SW 23/52mm	118.7 kg
15015190	Outlet element no. 0, L=1000 incl. ductile iron grating, outlet opening DN 150 ¹⁾	82.0 kg
15015198	Outlet element no. 40-0, L=1000 incl. ductile iron grating, outlet opening DN 150	110.0 kg
15015170	Outlet element no. 0, L=1000 mm incl. ductile iron grating ¹⁾	79.0 kg
15015178	Outlet element no. 40-0, L=1000 mm incl. ductile iron grating ¹⁾	108.0 kg
NEW 19115094	Outlet element middle part, NW 150	28.0 kg
19115095	Outlet element lower part, NW 151, outlet opening DN 150	33.8 kg
NEW 19115096	Outlet element lower part, NW 151, outlet opening DN 200	33.3 kg
22510	Silt bucket for outlet element, plastic	0.4 kg
30030	Odour trap made of PVC bends DN 150/87° made of plastic	3.9 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 kg
19115118	End cap, no. 40-0, with outlet DN 150	10 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=630 mm ²⁾	0.04 kg
19000702	Profile for joint sealing, no. 40-0, L=1040 mm ²⁾	0.07 kg



Maintenance unit or
Outlet element incl. ductile iron
grating



Outlet element
middle part and lower part
DN 150 / 200 / 300



Corner element variable



Lifting hook (consisting of 2 pcs.)
for NW 150, painted green



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



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¹⁾ Class F 900 type M, consisting of monolithic channel body, ductile iron edge and ductile iron grating with bolt connection

²⁾ Is a joint sealing profile required? Please contact our service team.

BG-FILCOTEN® one, NW 200

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

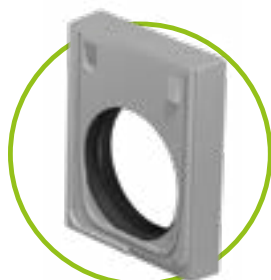
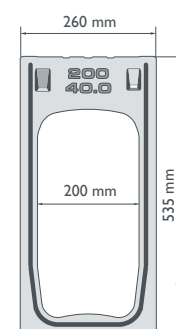
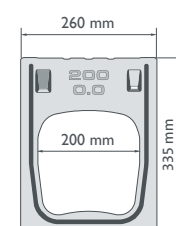
Item no.	monolithic channel body up to class F – without slope	Weight	Pc./Pallet
15020100	one NW 200 no. 0, L=1000mm, SW 23/70 mm	99 kg	9
15020168	one NW 200 no. 40-0, L=1000mm, SW 23/70 mm	131.5 kg	6

BG-FILCOTEN® one NW 200: Inlet cross-section 510 cm²/m | Discharge cross-section 200/0: 340 cm²/m | 200/40-0: 735 cm²/m

Accessories

for BG-FILCOTEN® one, NW 200

Item no.	Accessories	Weight
15020180	Maintenance unit no. 0, L=1000 mm incl. ductile iron grating ¹⁾	101.0 kg
15020188	Maintenance unit no. 40-0, L=1000 mm incl. ductile iron grating ¹⁾	133.0 kg
15020000	Variable corner element, no. 0, SW 23/70 mm	114.0 kg
15020008	Variable corner element, no. 40-0, SW 23/70 mm	142.0 kg
15020190	Outlet element no. 0, L=1000 incl. ductile iron grating, outlet opening DN 200 ¹⁾	99.0 kg
15020198	Outlet element no. 40-0, L=1000 incl. ductile iron grating, outlet opening DN 200 ¹⁾	131.0 kg
15020170	Outlet element no. 0, L=1000 mm incl. ductile iron grating ¹⁾	96.0 kg
15020178	Outlet element no. 40-0, L=1000 mm incl. ductile iron grating ¹⁾	128.0 kg
19120094	Outlet element middle part, NW 200	29.0 kg
19120095	Outlet unit lower part, NW 201, outlet opening DN 200	35.5 kg
19120096	Outlet unit lower part, NW 201, outlet opening DN 300	39.0 kg
22511	Silt bucket for outlet element, plastic	0.7 kg
30040	Odour trap made of PVC bends DN 200/87° made of plastic	7.4 kg
19120100	Front cap, no. 0, without outlet	13 kg
19120108	Front cap, no. 40-0, without outlet	21 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=750 mm ²⁾	0.05 kg
19000704	Profile for joint sealing, no. 40-0, L=1 130 mm ²⁾	0.08 kg



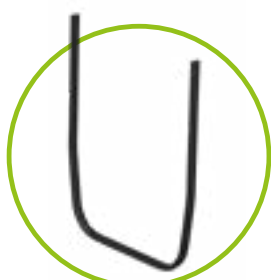
End cap
with outlet



Front cap
closed



Adapter cap
no. 0/ 40-0



For sectional drawings and technical
data on sump units, please see:

one NW 150: www.say.bg/en/one150_data

one NW 200: www.say.bg/en/one200_data

²⁾ Do you require a joint sealing profile?
Please say so with your order.

For **years** every day
Top performances.

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. Disgrating impressive resistance and durability delivering superior drainage performance, also in the face of the toughest challenges.

- Maximum flexibility and variability; suitable for installation in a wide array of environments
- Easy handling and installation, unbeatable performance
- **BG-CLASSIC** standard channels
These channels are excellently suited for use at homes, farms as well as heavily used public areas such as pedestrian zones and town squares. Robust, solid concrete element with inlaid mesh and ductile iron gratings, fastened with interlocking clips and brackets, load class C 250.
- **BG-CLASSIC** BGZ-S heavy-duty channels
For areas which have to withstand heavy loads: High load classes up to F 900 kN; channel with Z-shaped, cast iron edge embedded in concrete; gratings can be bolted up to 8 bolts per metre; locking device kit can be replaced at any time.
- **BG-CLASSIC** BG-SI safety channels
Our ultimate load bearing channel for airport terminals: A solid concrete body with the appropriate reinforcement allows this channel to effortlessly withstand the forces exerted by aircraft during taxiing and braking.



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



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BG-CLASSIC Standard channel
up to class C | page 64 – 65



BG-CLASSIC BGZ-S
Heavy-duty channel
up to class F | page 66 – 68



BG-CLASSIC BG-SI
Safety channel
up to class F | page 72

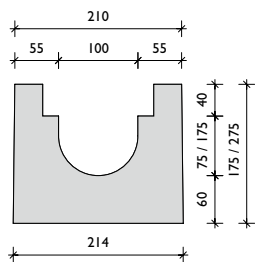


BG-CLASSIC BG-SL
Slot channel | page 73

up to class C 250

BG-CLASSIC

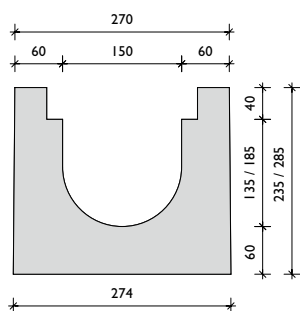
Standard channel



BG-CLASSIC standard channel, NW 100

Drainage channel made of concrete without edge up to class C, mesh- or ductile iron gratings

Item no.	Channel body with safety joint	Slope	Weight	Pc./Pallet
10000	Standard channel NW 100, no. 0	0.0 %	59 kg	20
10002	Standard channel NW 100, no. 10-0	0.0 %	83 kg	10
10007	Standard channel NW 101, no. 0, outlet opening DN 100	0.0 %	56 kg	20
10009	Standard channel NW 101, no. 10-0, outlet opening DN 100	0.0 %	80 kg	10
Item no.	Gratings	Load class	Weight	Pc./Pallet
10048	Mesh grating 1000/140/40, MW 30/10	C 250	4.4 kg	200
10049	Mesh grating 500/140/40, MW 30/10	C 250	2.4 kg	24
10054	Ductile iron slotted grating 500/140/40, SW 16/100	D 400	6.3 kg	120
Item no.	Accessories	Material	Weight	Pc./Pallet
10056	Sump unit 500/214/560	concrete	84 kg	10
22510	Silt bucket for sump unit	plastic	0.4 kg	
30030	Odour trap made of PVC sewer pipes DN 150/87°	plastic	3.9 kg	
30019	Odour trap for outlet opening DN 100	plastic	0.2 kg	
10059	Front cap	concrete	4.5 kg	
10058	End cap	concrete	4.5 kg	
10057	End cap with outlet DN 100	concrete	5.4 kg	
32000-1	Interlocking clip for mesh gratings MW 30/10	galvanised	0.1 kg	
32001	Interlocking clip for ductile iron gratings	painted black	0.1 kg	
32004	Interlocking bracket for ductile iron gratings	painted black	0.3 kg	

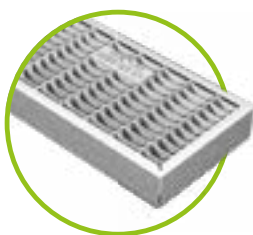


BG-CLASSIC standard channel, NW 150

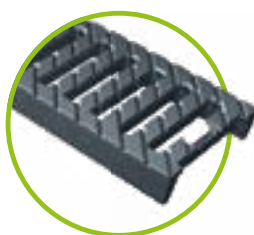
Drainage channel made of concrete without edge up to class C, mesh- or ductile iron gratings

Item no.	Channel body with safety joint	Slope	Weight	Pc./Pallet
10062	Standard channel NW 150, no. 0	0.0 %	89 kg	12
10064	Standard channel NW 150, no. 10-0	0.0 %	103 kg	8
10067	Standard channel NW 151, no. 0, outlet opening DN 150	0.0 %	85 kg	12
10069	Standard channel NW 151, no. 10-0, outlet opening DN 150	0.0 %	99 kg	8
Item no.	Gratings	Load class	Weight	Pc./Pallet
10094	Mesh grating 1000/190/40, MW 30/10	C 250	8.4 kg	150
10095	Mesh grating 500/190/40, MW 30/10	C 250	4.3 kg	24
10101	Ductile iron slotted grating 500/192/40, SW 18/145	D 400	8.7 kg	100
Item no.	Accessories	Material	Weight	Pc./Pallet
10104	Sump unit 500/274/570	concrete	101 kg	8
10108	Silt bucket for sump unit	galvanised	1.6 kg	
30030	Odour trap made of PVC sewer pipes DN 150/87°	plastic	3.9 kg	
10107	Front cap	concrete	6.2 kg	
10106	End cap	concrete	6.2 kg	
10105	End cap with outlet DN 150	concrete	6.3 kg	
32000-1	Interlocking clip for mesh gratings MW 30/10	galvanised	0.1 kg	
32001	Interlocking clip for ductile iron gratings	painted black	0.1 kg	
32004	Interlocking bracket for ductile iron gratings	painted black	0.3 kg	

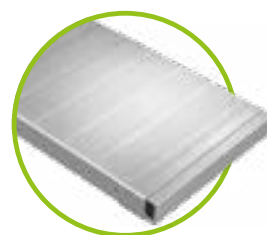
Gratings: Standard channels NW 100, 150, 200



Mesh gratings MW 30/10
Class C
for all NW



Ductile iron gratings
class D 400 kN
for all NW



Special gratings for grain silos
Ø 1.5 mm
for NW 200



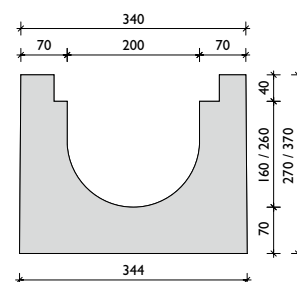
GRASPOINTNER
Sustainable innovation.

Delivery time on request.

BG-CLASSIC standard channel, NW 200

Drainage channel made of concrete without edge up to class C, mesh- or ductile iron gratings

Item no.	Channel body with safety joint	Slope	Weight	Pc./Pallet
10109	Standard channel NW 200, no. 0, height 270 mm	0.0 %	126 kg	9
10110	Standard channel NW 200, no. 10-0, height 370 mm	0.0 %	158 kg	6
10111	Standard channel NW 201, no. 0, outlet opening DN 200	0.0 %	119 kg	9
10112	Standard channel NW 201, no. 10-0, outlet opening DN 200	0.0 %	151 kg	6
Item no.	Gratings	Load class	Weight	Pc./Pallet
10125	Mesh grating 1000/260/40, MW 30/10	C 250	10.9 kg	100
10126	Mesh grating 500/260/40, MW 30/10	C 250	5.6 kg	12
10117	Ductile iron slotted grating 500/260/40, SW 18/215	D 400	10.9 kg	60
34007	Special gratings for grain silos 1000/261/37, Ø 1.5 mm ¹⁾	wheel load 6t	14.0 kg	60
Item no.	Accessories	Material	Weight	Pc./Pallet
10118	Sump unit 500/344/600	concrete	119 kg	6
10122	Silt bucket for sump unit	galvanised	2.0 kg	
30040	Odour trap made of PVC sewer pipes DN 200/87°	plastic	7.4 kg	
10121	Front cap	concrete	8.5 kg	
10120	End cap	concrete	8.5 kg	
10119	End cap with outlet DN 200	concrete	7.9 kg	
32000-1	Interlocking clip for mesh gratings MW 30/10	galvanised	0.1 kg	
32001	Interlocking clip for ductile iron gratings	painted black	0.1 kg	
32004	Interlocking bracket for ductile iron gratings	painted black	0.3 kg	



BG-FILCOTEN®

BG-CLASSIC

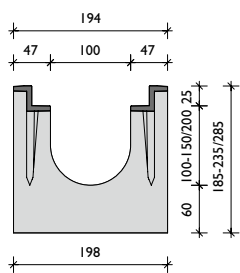
References



up to class F 900

BG-CLASSIC BGZ-S

Heavy-duty channel SV



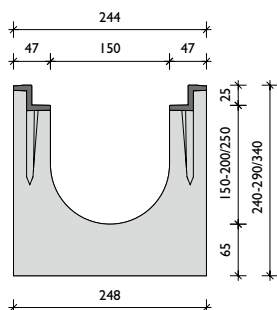
Ductile iron edge

BG-CLASSIC BGZ-S SV G, NW 100

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

Item no.	Channel body with safety joint	Slope	Weight	Pc./Pallet
16500	BGZ-S SV G NW 100, no. 0	0.0 %	63 kg	15
16530	BGZ-S SV G NW 100, no. 0, L = 500 mm	0.0 %	31.5 kg	
16501-02	BGZ-S SV G NW 100, no. 5-0, 10-0	0.0 %	68 / 73 kg	15
16504	BGZ-S SV G NW 100, no. 20-0	0.0 %	83 kg	10
16510-19	BGZ-S SV G NW 100, no. 1 to no. 10	0.5 %	64 – 73 kg	15
16505	BGZ-S SV G NW 101, no. 0, outlet opening DN 100	0.0 %	60 kg	15
16506	BGZ-S SV G NW 101 no. 5-0, outlet opening DN 100	0.0 %	65 kg	15
16507	BGZ-S SV G NW 101, no. 10-0, outlet opening DN 100	0.0 %	70 kg	15
16509	BGZ-S SV G NW 101 no. 20-0, outlet opening DN 100	0.0 %	80 kg	10
Item no.	Gratings incl. quick-locking system	Load class	Weight	Pc./Pallet
23250	BG-SV mesh grating 1000/147/25, MW 30/10	D 400	6.4 kg	120
23251	BG-SV mesh grating 500/147/25, MW 30/10	D 400	3.3 kg	
23102	BG-SV mesh grating 500/147/25, SW 18/120	D 400	4.0 kg	120
22756	BG-SV ductile iron elongated bar grating 500/147/25, MW 27/13	E 600	4.3 kg	120
Item no.	Gratings incl. 4-point bolted	Load class	Weight	Pc./Pallet
22757	BGZ-S ductile iron elongated bar grating 500/147/25, MW 27/13	E 600	4.6 kg	120
22053	BGZ-S ductile iron grating 500/147/25, SV 16/120	F 900	5.7 kg	120
22059	BGZ-S ductile iron cover 500/147/25, closed cover ¹⁾	F 900	8 kg	120
Item no.	Accessories	Material	Weight	Pc./Pallet
22200	BGZ-S sump unit SV G 500/211/510 incl. RDS DN 150	concrete	67 kg	10
22510	Silt bucket for sump unit	plastic	0.4 kg	
30030	Odour trap made of PVC sewer pipes DN 150/87°	plastic	3.9 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)			

(With gratings to class D – requirement per m: 4 pcs. / with ductile iron gratings class E and class F – requirement per m: 8 pcs.)



Ductile iron edge

BG-CLASSIC BGZ-S SV G, NW 150

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

Item no.	Channel body with safety joint	Slope	Weight	Pc./Pallet
16600	BGZ-S SV G NW 150, no. 0	0.0 %	86 kg	12
16630	BGZ-S SV G NW 150, no. 0, L = 500 mm	0.0 %	43 kg	
16601-02	BGZ-S SV G NW 150, no. 5-0, no. 10-0	0.0 %	91 / 96 kg	12
16604	BGZ-S SV G NW 150, no. 20-0	0.0 %	105 kg	8
16610-19	BGZ-S SV G NW 150, no. 1 to no. 10	0.5 %	87 – 95 kg	12
16605	BGZ-S SV G NW 151, no. 0, outlet opening DN 150	0.0 %	82 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 kg	8
Item no.	Gratings incl. quick-locking system	Load class	Weight	Pc./Pallet
23260	BG-SV mesh grating 1000/197/25, MW 30/10	D 400	10.2 kg	100
23261	BG-SV mesh grating 500/197/25, MW 30/10	D 400	5.3 kg	
22066	BG-SV mesh grating 500/197/25, SW 18/170	D 400	6.5 kg	100
22764	BG-SV ductile iron elongated bar grating 500/197/25, MW 27/13	E 600	7.3 kg	100
Item no.	Gratings incl. 4-point bolted	Load class	Weight	Pc./Pallet
22765	BGZ-S ductile iron elongated bar grating 500/197/25, MW 27/13	E 600	7.6 kg	100
22063	BGZ-S ductile iron grating 500/197/25, SV 15/75	F 900	11.7 kg	100
Item no.	Accessories	Material	Weight	Pc./Pallet
22201	BGZ-S sump unit SV G 500/261/690 incl. RDS DN 150	concrete	95 kg	8
22511	Silt bucket for sump unit	plastic	0.7 kg	
30030	Odour trap made of PVC sewer pipes DN 150/87°	plastic	3.9 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)			

(With gratings to class D – requirement per m: 4 pcs. / with ductile iron gratings class E and class F – requirement per m: 8 pcs.)



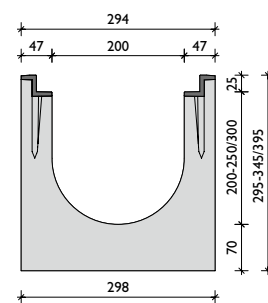
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¹⁾ Delivery time on request.

BG-CLASSIC BGZ-S SV G, NW 200

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

Item no.	Channel body with safety joint	Slope	Weight	Pc./Pallet
16700	BGZ-S SV G NW 200, no. 0	0.0 %	114 kg	8
16716	BGZ-S SV G NW 200, no. 0, L = 500 mm	0.0 %	57 kg	
16701-02	BGZ-S SV G NW 200, no. 5-0, no. 10-0	0.0 %	119 / 124 kg	8
16727	BGZ-S SV G NW 200, no. 20-0	0.0 %	134 kg	8
16706-15	BGZ-S SV G NW 200, no. 1 to no. 10	0.5 %	115 – 124 kg	8
16703	BGZ-S SV G NW 201, no. 0, outlet opening DN 200	0.0 %	107 kg	8
16704	BGZ-S SV G NW 201, no. 5-0, outlet opening DN 200	0.0 %	112 kg	8
16705	BGZ-S SV G NW 201, no. 10-0, outlet opening DN 200	0.0 %	117 kg	8
16729	BGZ-S SV G NW 201, no. 20-0, outlet opening DN 200	0.0 %	127 kg	8
Item no.	Gratings incl. quick-locking system	Load class	Weight	Pc./Pallet
23270	BG-SV mesh grating 1000/247/25, MW 30/10	D 400	16.0 kg	60
23271	BG-SV mesh grating 500/247/25, MW 30/10	D 400	8.2 kg	
22079	BG-SV ductile iron grating 500/247/25, SW 18/220	D 400	8.2 kg	60
22774	BG-SV ductile iron elongated bar grating 500/247/25, MW 27/13	E 600	9.1 kg	60
Item no.	Gratings incl. 4-point bolted	Load class	Weight	Pc./Pallet
22775	BGZ-SV ductile iron elongated bar grating 500/247/25, MW 27/13	E 600	9.4 kg	60
22073	BGZ-S ductile iron grating 500/247/25, SV 16/220	F 900	13.8 kg	60
22078	BGZ-S ductile iron cover 500/247/25, closed cover ¹⁾	F 900	17.1 kg	60
Item no.	Accessories	Material	Weight	Pc./Pallet
22204	BGZ-S sump unit SV G 500/326/740 with pipe fair lead DN 200	concrete	105 kg	6
22512	Silt bucket for sump unit	plastic	0.7 kg	
30040	Odour trap made of PVC sewer pipes DN 200/87°	plastic	7.4 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)			
(With gratings to class D – requirement per m: 4 pcs. / with ductile iron gratings class E and class F – requirement per m: 8 pcs.)				

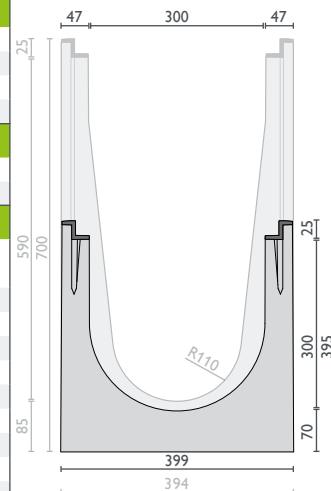


Ductile iron edge

BG-CLASSIC BGZ-S SV G, NW 300

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

Item no.	Channel body with safety joint	Slope	Weight	Pc./Pallet
16800	BGZ-S SV G NW 300, no. 0	0.0 %	169 kg	6
16840	BGZ-S SV G NW 300, CH 700 mm, L 2500	0.0 %	671 kg	2
16842	BGZ-S SV G NW 300, CH 700 mm, L 1000	0.0 %	269 kg	2
16801	BGZ-S SV G NW 301, no. 0, outlet opening DN 200	0.0 %	162 kg	2
16841	BGZ-S SV G NW 301, no. 700, outlet opening DN 200, L 2500	0.0 %	662 kg	2
16843	BGZ-S SV G NW 301, no. 700, outlet opening DN 200, L 1000	0.0 %	258 kg	2
Item no.	Gratings incl. quick-locking system	Load class	Weight	Pc./Pallet
22184	BG-SV mesh grating 1000/347/25, MW 30/10	C 250	23.6 kg	30
22185	BG-SV mesh grating 500/347/25, MW 30/10	C 250	12.2 kg	
23180	BG-SV ductile iron grating 500/347/25, SW 18/150	D 400	15.2 kg	30
22784	BG-SV ductile iron elongated bar grating 500/347/25, MW 25/14 ¹⁾	E 600	16.5 kg	30
Item no.	Gratings incl. 4-point bolted	Load class	Weight	Pc./Pallet
22785	BGZ-SV ductile iron elongated bar grating 500/347/25, MW 25/14	E 600	16.9 kg	30
22083	BGZ-S ductile iron grating 500/347/25, SV 16/148 ¹⁾	F 900	26.1 kg	40
Item no.	Accessories	Material	Weight	Pc./Pallet
22198	BGZ-S sump unit SV G 550/565/990, two parts with pipe fair lead DN 200	concrete	214 kg	2
22213	Silt bucket for sump unit	galvanised	3.2 kg	
30040	Odour trap made of PVC sewer pipes DN 200/87°	plastic	7.4 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	3.0 kg	
22254	End cap, CH 700, outlet DN 200	galvanised	3.1 kg	
22255	End cap, CH 700, outlet DN 300	galvanised	2.8 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)			
(With gratings to class D – requirement per m: 4 pcs. / with ductile iron gratings class E and class F – requirement per m: 8 pcs.)				

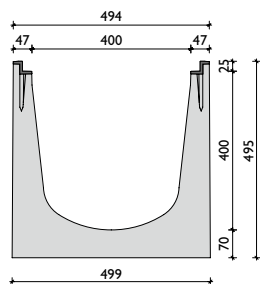


Ductile iron edge

up to class F 900

BG-CLASSIC BGZ-S

Heavy-duty channel

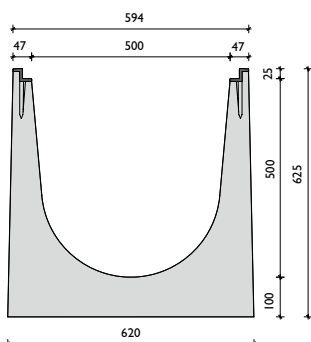


Ductile iron edge

BG-CLASSIC BGZ-S G, NW 400

Drainage channel with integrated cast iron edge (G) up to class F, with ductile iron gratings, bolted

Item no.	Channel body with safety joint	Slope	Weight	Pc./Pallet
16850	BGZ-S G NW 400, no. 0	0.0 %	225 kg	4
16851	BGZ-S G NW 401 no. 0, outlet opening DN 200	0.0 %	218 kg	4
Item no.	Gratings incl. 4-point bolted	Load class	Weight	Pc./Pallet
22088	BGZ-S ductile iron grating 500/447/25, SVV 18/200	D 400	20.6 kg	20
22090	BGZ-S ductile iron elongated bar grating 500/447/25, MW 25/14 ¹⁾	E 600	27.1 kg	20
22087	BGZ-S ductile iron grating 500/447/25, SVV 15/125 ¹⁾	F 900	41.4 kg	20
Item no.	Accessories	Material	Weight	Pc./Pallet
22194	BGZ-S sump unit G 550/565/990, 2-part with pipe fair lead DN 200	concrete	200 kg	2
22214	Silt bucket for sump unit	galvanised	3.8 kg	
30040	Odour trap made of PVC sewer pipes DN 200/87°	plastic	7.4 kg	
31312	Forsheda-sealing for outlet opening DN 200	Elastomer	0.6 kg	
22260	BGZ-S front cap	galvanised	2.1 kg	
22261	BGZ-S end cap with outlet DN 200	galvanised	2.4 kg	
22281	BGZ-S bolting material for ductile iron gratings (1 pc. bolt, 1 pc. nut – requirement per m: 8 pcs.)			



Ductile iron edge

BG-CLASSIC BGZ-S G, NW 500

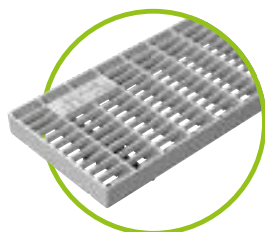
Drainage channel with integrated cast iron edge (G) up to class F, with ductile iron gratings, bolted

Item no.	Channel body with safety joint	Slope	Weight	Pc./Pallet
16903	BGZ-S G NW 500, no. 0, L 2500 ¹⁾	0.0 %	880 kg	1
16901	BGZ-S G NW 500, no. 0, L 1000 ¹⁾	0.0 %	360 kg	1
16902	BGZ-S G NW 501, no. 0, outlet opening DN 200, L 1000	0.0 %	353 kg	1
Item no.	Gratings incl. 4-point bolted – M10	Load class	Weight	Pc./Pallet
22094	BGZ-S ductile iron grating 500/547/25, SVV 18/248 ¹⁾	D 400	29.8 kg	20
22091	BGZ-S ductile iron grating 500/547/25, SVV 18/248 ¹⁾	E 600	31.3 kg	20
22092	BGZ-S ductile iron grating 500/547/25, SVV 20/170 ¹⁾	F 900	48.8 kg	20
Item no.	Accessories	Material	Weight	Pc./Pallet
22270	BGZ-S front cap	galvanised	3.1 kg	
22271	BGZ-S end cap with outlet DN 200	galvanised	3.1 kg	
31312	Forsheda-sealing for outlet opening DN 200	Elastomer	0.6 kg	
22281	BGZ-S bolting material for M10 ductile iron gratings (1 pc. bolt, 1 pc. nut – requirement per m: 8 pcs.)			

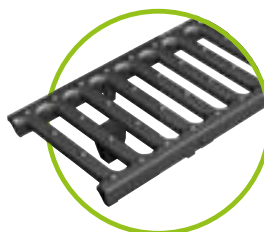


Gratings: BG-CLASSIC BGZ-S heavy duty channels

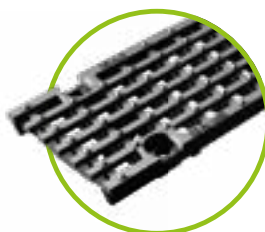
NW 100, 150, 200, 300, 400, 500



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



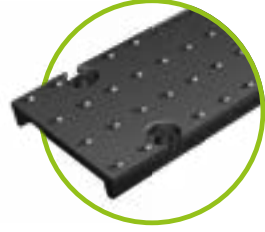
Ductile iron grating SW 18/120,
18/170, 18/220 – class D
SV system, for NW 100 to 200



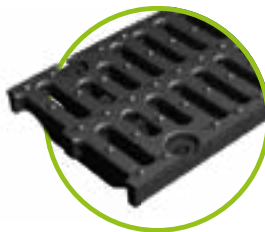
Ductile iron elongated bar grating
MW 27/13, class E
SV or 4-point bolted,
for NW 100 to 200



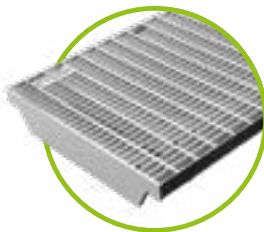
Ductile iron grating SW 16/120
and/or 16/220, class F
4-point bolted,
for NW 100 and 200



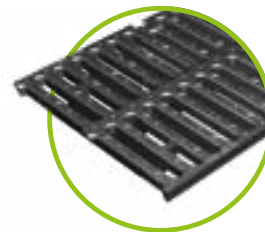
Ductile iron cover class F
closed cover, **4-point bolted**
for NW 100 and 200



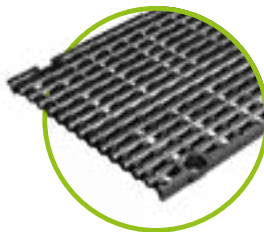
Ductile iron grating
SW 15/75, class F
4-point bolted for NW 150



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



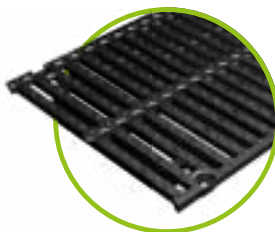
Ductile iron grating SW 18/150
class D – **SV system**,
for NW 300



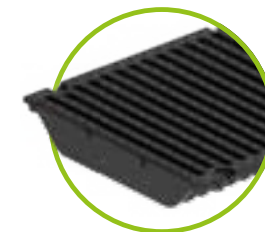
Ductile iron elongated bar grating
MW 25/14, class E,
SV or 4-point bolted, for NW 300
only **4-point bolted** for NW 400



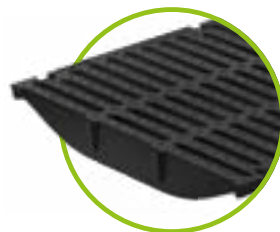
Ductile iron grating SW 16/148,
Kl. F, **4-point bolted**, for NW 300



Ductile iron grating **4-point bolted**
class D – SW 18/200 – for NW 400
class D and E – SW 18/248,
for NW 500



Ductile iron grating
SW 15/125, Kl. F
4-point bolted for NW 400



Ductile iron grating
SW 20/170, class F
4-point bolted for NW 500

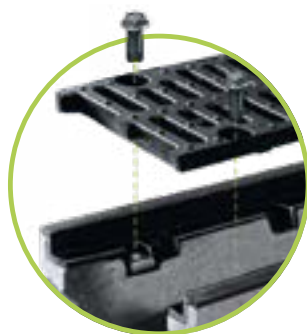


All gratings up to class D 400 kN can additionally be bolted to the SV system!

Quick-locking system or 4-point bolted.



Tension rods for
integrated SV system

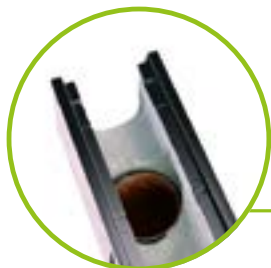


Bolting material can be
replaced at any time



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 back-fitting



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

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



Sump unit for BG-CLASSIC standard channel
L=500 mm, to fit NW with preformed outlet



Sump unit for BGZ-S heavy-duty channels,
L=500 mm, to fit NW with RDS 150 or 200



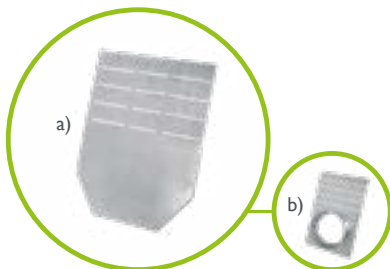
Silt bucket for BG-CLASSIC standard channel
plastic: NW 100
galvanised: NW 150 and 200



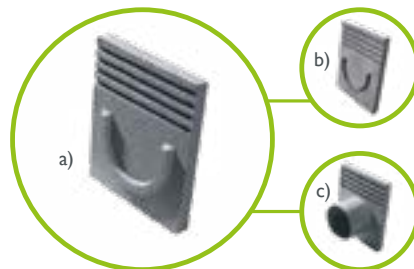
Silt bucket for BGZ-S heavy-duty channels
plastic: NW 100 – 200
galvanised: 2-part sump units NW 300 and 400



Odour trap made of PVC bends for sump units with pipe connection
DN 150 or 200



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



a) Front cap made of concrete
b) End cap made of concrete
c) End cap with outlet made of concrete all for standard channels



Bolting material M10, for all mesh- or ductile iron gratings, only for BGZ-S channels



Locking mechanism of the gratings with interlocking clip



Interlocking clips / brackets for gratings for BG-CLASSIC standard channels



Sealing system suitable for all channels – with safety joint

References



up to class F 900

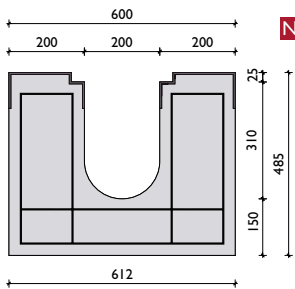
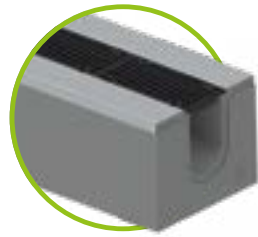
BG-CLASSIC BG-SI

Safety channel

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	Pc./Pallet
NEW 20350	BG-SI, galvanised angled edge, NW 200, no. 0, L = 2500 mm	0.0 %	560 kg/m	
NEW 20352	BG-SI, galvanised angled edge, NW 200, no. 0, L = 1000 mm	0.0 %	560 kg/m	
20390	Additional charge for drain outlet 500/300			
20392	Additional charge for drain outlet with fitted pipe fair lead DN 200			
Item no.	Gratings incl. bolting material – M12	Load class	Weight	Pc./Pallet
NEW 22191	BG-SI ductile iron slotted grating 500/256/25, SW 16/225	F 900	11.9 kg	72
Item no.	Accessories	L / W / H	Weight	Pc./Pallet
NEW 20726	Sump unit for BG-SI safety channel NW 200	1000/600/1000	1,300 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)			



galvanised special edge

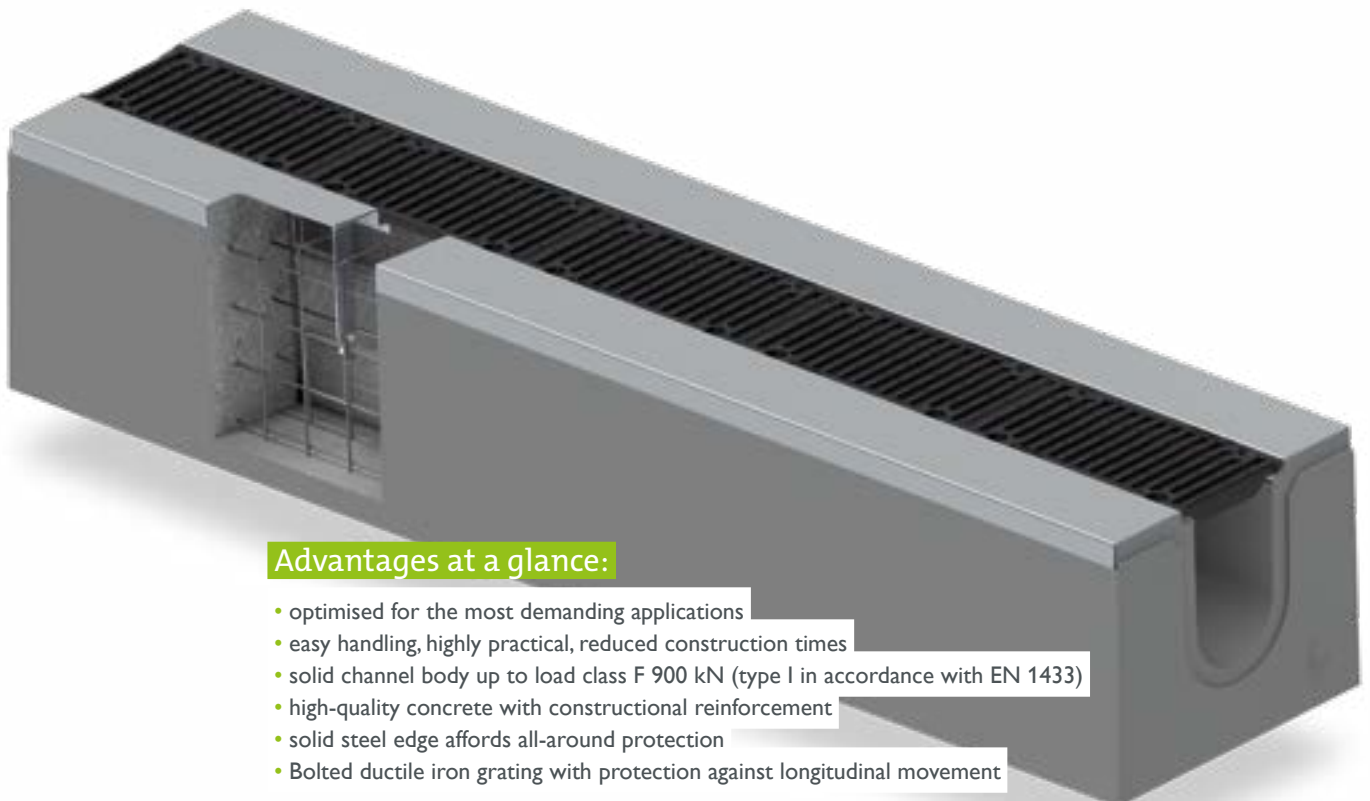
Gratings: BG-CLASSIC BG-SI safety channels NW 200



Ductile iron grating
SW 16/225 – class F



Bolting material M12
for BG-SI safety channels



Advantages at a glance:

- optimised for the most demanding applications
- 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 constructional reinforcement
- solid steel edge affords all-around protection
- Bolted ductile iron grating with protection against longitudinal movement



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¹⁾ Delivery time on request.

BG-CLASSIC BG-SL

Slot channel

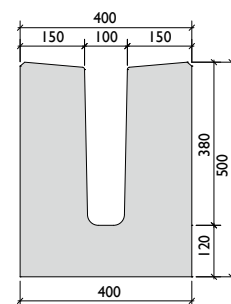
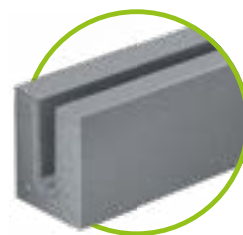
BG-CLASSIC BG-SL, U profile

Drainage channel without grating

Item no.	Channel body	Slope	Weight	Pc./Pallet
19000	BG-SL U profile, NW 100, L = 2500 mm	0.0 %	425 kg/m	
19001	Additional charge for bottom outlet, 600 x 80 mm			
19003	Front cap for BG-SL slot channel U profile, NW 100, galvanised		1.0 kg	

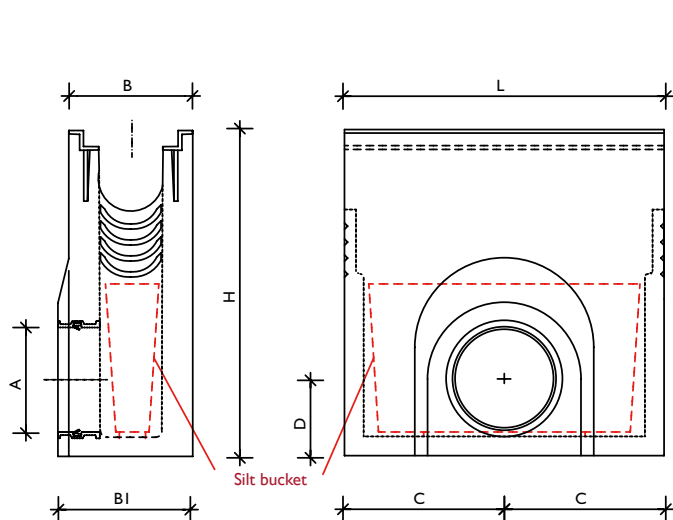


Please note that delivery times may be longer for these product groups!

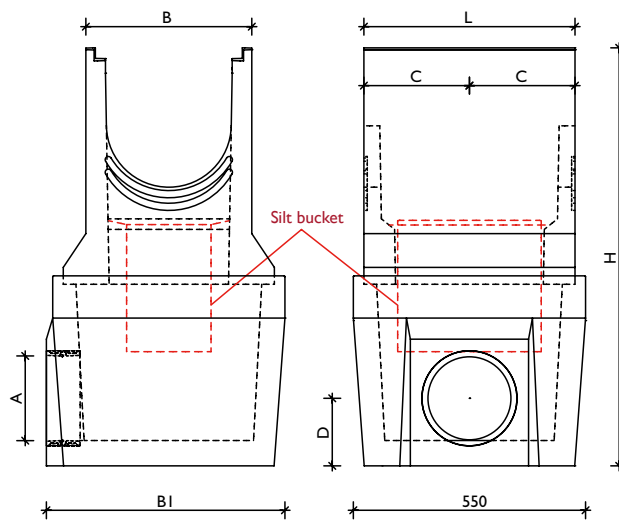


References





BG sump unit, one part



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

Channel type	Nominal width	Item no. / one part	L	B	B 1	H	C	D	A
Standard channel	100	10056	500	210	214	560	250	140/165	DN 150/200
	150	10104	500	270	274	570	250	210/186	DN 150/200
	200	10118	500	340	344	600	250	233/240	DN 150/200
BGZ-S heavy-duty channel SV	100	22200	500	194	211	510	250	120	RDS 150
	150	22201	500	244	261	690	250	130	RDS 150
	200	22204	500	294	326	740	250	150	RDS 200
BG-SI safety channel	200	20726	1000	600	600	1000	500	310	RDS 200
Channel type	Nominal width	Item no. / two parts	L	B	B 1	H	C	D	A
BGZ-S heavy-duty channel SV	300	22198	500	394	565	990	250	165	RDS 200
	400	22194	500	494	565	990	250	165	RDS 200



System DN:
The outlet connector is already preformed. This must be finalised on the construction site.



System RDS:
A pipe fair lead is already installed in the outlet connector. The sewer pipes can be made quickly and directly connected.

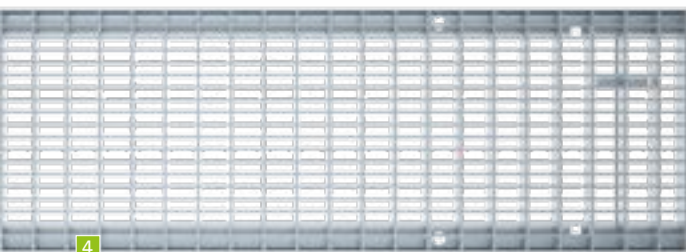
If either BGZ-S sump unit is installed at the end of the channel run, it must be enclosed with an end cap.

References





Gratings on the left are
beautiful & functional.
 On the right it's the **other way around.**



BG-CLASSIC

Gratings	SW, MW, Ø in mm	
1 Mesh grating	MW 30/10	
2 Ductile iron slotted grating	SW16/100	
	SW18/145	
	SW18/215	
3 Special grating for wheat silos	Ø 1.5	

BG-CLASSIC BGZ-S SV

Gratings	SW, MW, Ø in mm	
4 SV mesh grating	MW 30/10	
	MW 30/10	
5 SV ductile iron slotted grating	SW18/120	
	SW18/170	
	SW18/220	
	SW18/150	
6 Ductile iron slotted grating	SW18/200	
	SW18/248	
7 SV ductile iron elongated bar grating	MW27/13	
	MW25/14	
8 Ductile iron elongated bar grating	MW27/13	
	MW25/14	
9 Ductile iron slotted grating	SW16/120	
	SW15/75	
	SW16/220	
	SW16/148	
	SW15/125	
	SW20/170	
10 Ductile iron cover	closed	

BG-CLASSIC BG-SI

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

2) Material:

V: galvanised | E: stainless steel
 G: ductile iron | PA: Polyamide plastic
 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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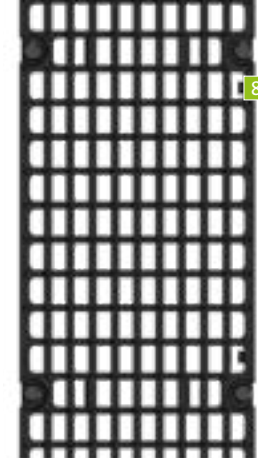
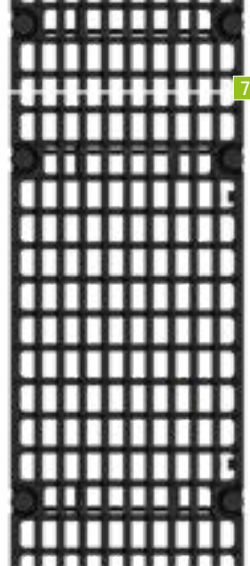
Tension rods for integrated SV system



Bolting material can be replaced at any time



Additional protection against longitudinal movement



Standard channel

	NW 100	NW 150	NW 200	Class ¹⁾	Material ²⁾
	✓	✓	✓	C	V
	✓			D	G
		✓		D	G
			✓	D	G
			✓	6t wheel load	V

Heavy-duty channel

	NW 100	NW 150	NW 200	NW 300	NW 400	NW 500	Class ¹⁾	Material ²⁾	SV/VM: ³⁾
				✓			C	V	SV, 2*M10
	✓	✓	✓				D	V	SV, 2*M10
	✓						D	G	SV, 2*M10
		✓					D	G	SV, 2*M10
			✓				D	G	SV, 2*M10
				✓			D	G	SV, 2*M10
					✓		D	G	4*M10
						✓	D/E	G	4*M10
	✓	✓	✓				E	G	SV
				✓			E	G	SV
	✓	✓	✓				E	G	4*M10
	✓			✓	✓		E	G	4*M10
		✓					F	G	4*M10
			✓				F	G	4*M10
				✓			F	G	4*M10
					✓		F	G	4*M10
						✓	F	G	4*M10
	✓		✓				F	G	4*M10

Safety channel

	NW 200	Class ¹⁾	Material ²⁾	SV/VM: ³⁾
	✓	F	G	4*M12

³⁾ SV/VM:

SV: Quick locking system | VM: Bolting material

2*M10: optional 2x bolting material

4*M10: incl. 4-point bolting material

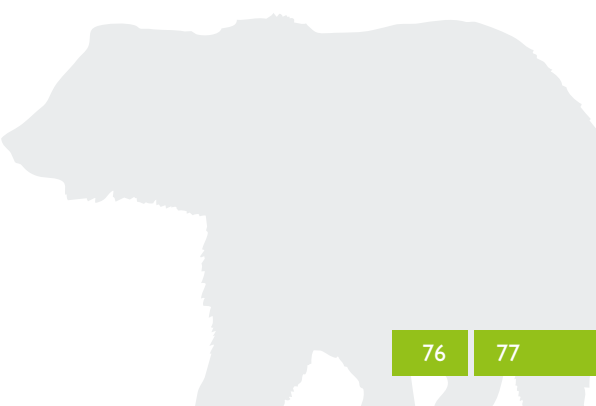
4*M12: incl. 4-point bolting material BG-SI



Bolting material M12 for BG-SI safety channels



Bolting material M10, for all mesh- or ductile iron gratings, only for BGZ-S channels



Perfect for the everyday
challenges & for
all others as well.

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, BG's strengths are represented 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**

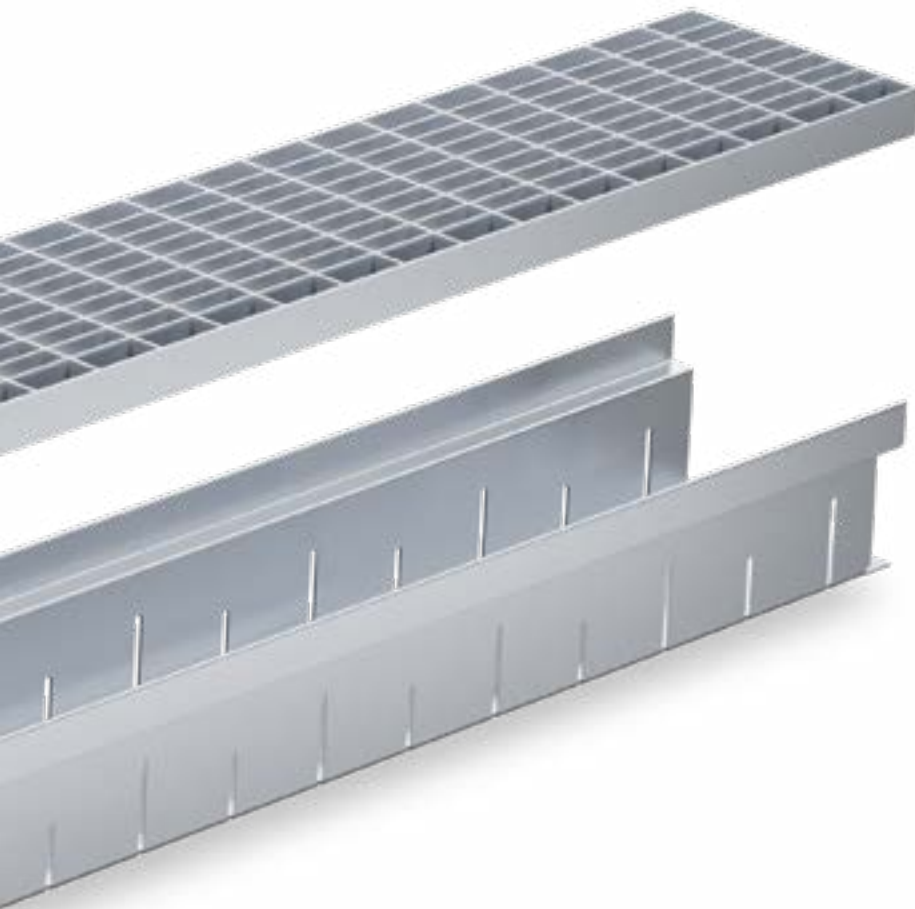
Flexible, fixed or height-adjustable; various grating options; for drainage of flat roofs, terraces, balconies, etc.

- **BG-FLEX TE terrace slot channels**

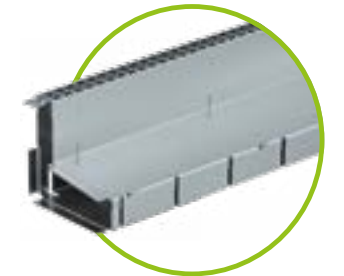
Channel enables drainage on two levels (the floor covering and the underlying base plate); for drainage of terraces and gardens

- **BG-FLEX TM terrace channel**

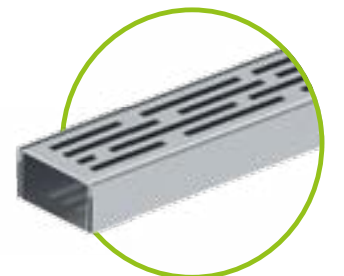
for laying on the terrace/balcony in combination with paving



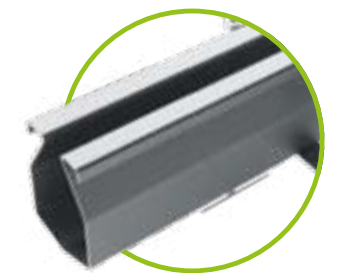
BG-FLEX FA
facade channels
walkable | page 84 – 89



BG-FLEX TE
terrace slot channels
walkable | page 92



BG-FLEX TM
terrace channels
walkable | page 93



BG-FLEX omega
up to class C | page 98 – 101



BG-FLEX sigma tec & sigma
up to class C | page 102 – 107

- **BG-FLEX omega**

slot width 6 mm; no grates/gratings necessary; optimised omega-shaped design for best discharge performance; for draining of industrial floors

- **BG-FLEX sigma & BG-FLEX sigma tec**

BG-FLEX sigma with NW 150 and BG-FLEX sigma tec with NW 100; special flange connector that allows absolutely seamless installation; load capacity up to C 250; for parking garage drainage

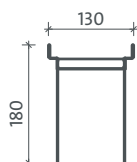
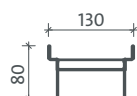


Technical data: www.say.bg/en/flex

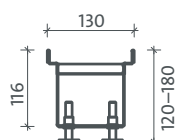
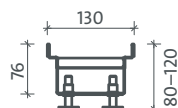


BG-FLEX^{FA}

Facade channels



Fixed height



Variable height

BG-FLEX FA facade channels, RB 130 – GALVANISED STEEL

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

Item no.	Perforated channel body – material thickness 1.00 mm		Length mm	Height mm	Weight
21013200	FA V RB 130, fixed height	L	500	80	1.4 kg
21013201	FA V RB 130, fixed height	L	1000	80	2.5 kg
21013202	FA V RB 130, fixed height	L	2000	80	5.0 kg
21013211	FA V RB 130, fixed height	L	1000	180	4.1 kg
21013212	FA V RB 130, fixed height	L	2000	180	8.1 kg
21013203	FA V RB 130, fixed height	L	1000	50	2.0 kg
21013204	FA V RB 130, fixed height	L	2000	50	4.1kg
Item no.	Channel body with open base – material thickness 1.50 mm		Length mm	Height mm	Weight
21013231	FA plus V RB 130, variable CH, incl. 4 levelling feet	L	1000	80 – 120	3.0 kg
21013232	FA plus V RB 130, variable CH, incl. 6 levelling feet		2000	80 – 120	6.1 kg
21013233	FA plus V RB 130, variable CH, incl. 4 levelling feet	L	1000	120 – 180	3.9 kg
21013234	FA plus V RB 130, variable CH, incl. 6 levelling feet		2000	120 – 180	8.0 kg
Item no.	Closed channel body – material thickness 1.00 mm		Length mm	Height mm	Weight
21013251	FA V RB 130, fixed height	L	1000	80	2.6 kg
21013252	FA V RB 130, fixed height		2000	80	5.1 kg
21013261	FA V RB 130, fixed height		1000	180	4.1 kg
21013262	FA V RB 130, fixed height		2000	180	8.3 kg
Item no.	Gratings – width 122 mm		Material	Pc./Pallet	Weight
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 9/85	L	galvanised	120	2.0 kg
24513204	FA slotted grating 500/122/20, SVV 9/85	L	galvanised	48	1.0 kg
24513205	FA perforated grating 1000/122/20, Ø 6 mm	L	galvanised	120	1.6 kg
24513206	FA perforated grating 500/122/20, Ø 6 mm	L	galvanised	48	0.8 kg
24513207	FA ductile iron elongated bar grating 1000/122/20, bar distance 10 mm	L	galvanised	120	3.9 kg
24513208	FA ductile iron elongated bar grating 500/122/20, bar distance 10 mm	L	galvanised	48	2.0 kg
24513209	FA cross bar grating 1000/122/20, bar distance 10 mm		galvanised	120	4.2 kg
24513210	FA cross bar grating 500/122/20, bar distance 10 mm		galvanised	48	2.1 kg
24513211	FA “Sunrays” design grating 1000/122/20		galvanised	120	1.4 kg
24513212	FA “Sunrays” design grating 500/122/20		galvanised	48	0.7 kg
Item no.	Accessories		Material	Height mm	Weight
24913201	FA outlet element V RB 130, outlet DN 75, L = 1000 mm	L	galvanised	80	2.6 kg
24913202	FA outlet element V RB 130, outlet DN 75, L = 1000 mm		galvanised	180	4.3 kg
24913211	FA corner element 90° V RB 130, fixed height	L	galvanised	80	2.1 kg
24913221	FA front cap V RB 130, fixed height	L	galvanised	80	0.1 kg
24913222	FA front cap V RB 130, fixed height	L	galvanised	180	0.2 kg
24913220	FA front cap V RB 130, fixed height	L	galvanised	50	0.1 kg
24913223	FA plus front cap V RB 130	L	galvanised	80 – 120	0.1 kg
24913224	FA plus front cap V RB 130	L	galvanised	120 – 180	0.1 kg
24900014	FA plus levelling feet coupling V RB 130	L	galvanised	21	0.1 kg
24900011	FA bolting-material set for mesh gratings and longitudinal bar gratings consisting of: consisting of clip, bolt and sleeve nut (required per m: 2 pcs.)	L	stainless steel		0.1 kg
24900018	FA bolting material for mesh gratings and longitudinal bar gratings: Bolting bracket incl. press nut. U bracket + bolt. for channel with CH 50		galvanised		0.1 kg



Other heights available on request



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



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

A surcharge of € 100.00 may apply to orders with a value of less than € 1,000.00 to grating set-up costs. Stock items are excluded from this surcharge.

For channels with an overall construction length of 2000 mm, longer pallets (2080x780x150mm) are used for safe transport. This results in additional costs of € 22.50.



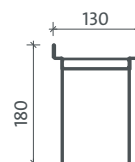
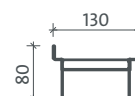
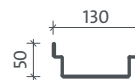
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L = stock items

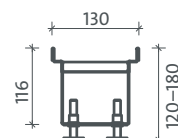
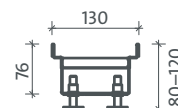
BG-FLEX FA facade channel, RB 130 – STAINLESS STEEL

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

Item no.	Perforated channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
21013300	FA E RB 130, fixed height	500	80	1.4 kg
21013301	FA E RB 130, fixed height	1000	80	2.5 kg
21013302	FA E RB 130, fixed height	2000	80	5.0 kg
21013311	FA E RB 130, fixed height	1000	180	4.1 kg
21013312	FA E RB 130, fixed height	2000	180	8.1 kg
21013303	FA E RB 130, fixed height	1000	50	2.1 kg
21013304	FA E RB 130, fixed height	2000	50	5.0 kg
Item no.	Channel body with open base – material thickness 1.50 mm	Length mm	Height mm	Weight
21013331	FA plus E RB 130, variable CH, incl. 4 levelling feet	1000	80 – 120	3.0 kg
21013332	FA plus E RB 130, variable CH, incl. 6 levelling feet	2000	80 – 120	6.1 kg
21013333	FA plus E RB 130, variable CH, incl. 4 levelling feet	1000	120 – 180	3.9 kg
21013334	FA plus E RB 130, variable CH, incl. 6 levelling feet	2000	120 – 180	8.0 kg
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
21013351	FA E RB 130, fixed height	1000	80	2.6 kg
21013352	FA E RB 130, fixed height	2000	80	5.1 kg
21013361	FA E RB 130, fixed height	1000	180	4.1 kg
21013362	FA E RB 130, fixed height	2000	180	8.3 kg
Item no.	Gratings – width 122 mm	Material	Pc./Pallet	Weight
24513301	FA mesh grating 1000/122/20, MW 30/10	stainless steel	120	2.5 kg
24513302	FA mesh grating 500/122/20, MW 30/10	stainless steel	48	1.3 kg
24513303	FA slotted grating 1000/122/20, SW 9/85	stainless steel	120	2.0 kg
24513304	FA slotted grating 500/122/20, SW 9/85	stainless steel	48	1.0 kg
24513305	FA perforated grating 1000/122/20, Ø 6 mm	stainless steel	120	1.6 kg
24513306	FA perforated grating 500/122/20, Ø 6 mm	stainless steel	48	0.8 kg
24513307	FA ductile iron elongated bar grating 1000/122/20, bar distance 10 mm	stainless steel	120	3.9 kg
24513308	FA ductile iron elongated bar grating 500/122/20, bar distance 10 mm	stainless steel	48	2.0 kg
24513309	FA cross bar grating 1000/122/20, bar distance 10 mm	stainless steel	120	4.2 kg
24513310	FA cross bar grating 500/122/20, bar distance 10 mm	stainless steel	48	2.1 kg
24513311	FA "Sunrays" design grating 1000/122/20	stainless steel	120	1.4 kg
24513312	FA "Sunrays" design grating 500/122/20	stainless steel	48	0.7 kg
Item no.	Accessories	Material	Height mm	Weight
24913301	FA outlet element E RB 130, outlet DN 75, L = 1000 mm	stainless steel	80	2.6 kg
24913302	FA outlet element E RB 130, outlet DN 75, L = 1000 mm	stainless steel	180	4.4 kg
24913311	FA corner element 90° E RB 130, fixed height	stainless steel	80	2.1 kg
24913321	FA front cap E RB 130, fixed height	stainless steel	80	0.1 kg
24913322	FA front cap E RB 130, fixed height	stainless steel	180	0.2 kg
24913320	FA front cap E RB 130, fixed height	stainless steel	50	0.1 kg
24913323	FA plus front cap E RB 130	stainless steel	80 – 120	0.1 kg
24913324	FA plus front cap E RB 130	stainless steel	120 – 180	0.1 kg
24900015	FA plus levelling feet coupling E RB 130	stainless steel	21	0.1 kg
24900011	FA bolting-material set for mesh and longitudinal bar gratings: consisting of clip, bolt and sleeve nut (required per m: 2 pcs.)	stainless steel		0.1 kg
24900019	FA bolting material for mesh gratings and longitudinal bar gratings: Bolting bracket incl. press nut, U bracket + bolt, for channel with CH 50	stainless steel		0.1 kg



Fixed height



Variable height



Other heights available on request

Variability in every respect: BG-FLEX FA plus.

The height of the FA facade channels can be adjusted to any need using levelling feet. This has numerous application advantages:

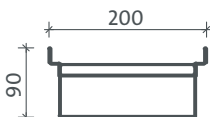
- Full flexibility of height due to infinitely variable levelling feet – adjustments from above also possible after installation
- Maximum, rainwater discharge is possible due to the open channel base
- Optimum protection against splashing and driving rain
- Particularly suitable for raised-construction terrace covering as height adjustable



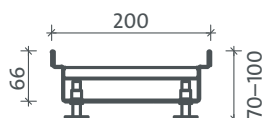
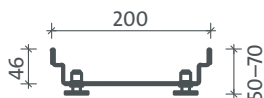


BG-FLEX^{FA}

Facade channels



Fixed height



Variable height



Other heights
available on request

BG-FLEX FA facade channels RB 200 – GALVANISED STEEL

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

Item no.	Perforated channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
21020200	FA V RB 200, fixed height L	500	50	1.3 kg
21020201	FA V RB 200, fixed height L	1000	50	2.6 kg
21020202	FA V RB 200, fixed height L	2000	50	5.2 kg
21020211	FA V RB 200, fixed height L	1000	90	3.3 kg
21020212	FA V RB 200, fixed height L	2000	90	6.6 kg
Item no.	Channel body with open base – material thickness 1.50 mm	Length mm	Height mm	Weight
21020221	FA plus V RB 200, variable CH, incl. 4 levelling feet L	1000	50 – 70	2.4 kg
21020222	FA plus V RB 200, variable CH, incl. 6 levelling feet	2000	50 – 70	4.9 kg
21020223	FA plus V RB 200, variable CH, incl. 4 levelling feet L	1000	70 – 100	3.0 kg
21020224	FA plus V RB 200, variable CH, incl. 6 levelling feet	2000	70 – 100	5.9 kg
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
21020231	FA V RB 200, fixed height L	1000	50	2.6 kg
21020232	FA V RB 200, fixed height	2000	50	5.3 kg
21020241	FA V RB 200, fixed height L	1000	90	3.4 kg
21020242	FA V RB 200, fixed height	2000	90	6.7 kg
Item no.	Accessible channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
21020251	FA V RB 200, different fork height	1000	50 / 60	2.7 kg
21020252	FA V RB 200, different fork height	2000	50 / 60	5.3 kg
Item no.	Gratings – width 198 mm	Material	Pc./Pallet	Weight
24520201	FA mesh grating 1000/198/20, MW 30/10 L	galvanised	60	3.8 kg
24520202	FA mesh grating 500/198/20, MW 30/10 L	galvanised	30	2.0 kg
24520207	FA perforated grating 1000/198/20, Ø 6 mm L	galvanised	60	3.5 kg
24520208	FA perforated grating 500/198/20, Ø 6 mm L	galvanised	30	1.7 kg
24520203	FA ductile iron elongated bar grating 1000/198/20, bar distance 10 mm L	galvanised	60	6.4 kg
24520204	FA ductile iron elongated bar grating 500/198/20, bar distance 10 mm L	galvanised	30	3.2 kg
24520205	FA cross bar grating 1000/198/20, bar distance 10 mm	galvanised	60	8.8 kg
24520206	FA cross bar grating 500/198/20, bar distance 10 mm	galvanised	30	4.4 kg
Item no.	Accessories	Material	Height mm	Weight
24920201	FA outlet element V RB 200, outlet DN 75, L = 1000 mm L	galvanised	50	2.8 kg
24920202	FA outlet element V RB 200, outlet DN 75, L = 1000 mm L	galvanised	90	3.5 kg
24920211	FA corner element 90° V RB 200, fixed height L	galvanised	50	2.1 kg
24920212	FA corner element 90° V RB 200, fixed height L	galvanised	90	2.7 kg
24920221	FA front cap V RB 200, fixed height L	galvanised	50	0.1 kg
24920222	FA front cap V RB 200, fixed height L	galvanised	90	0.1 kg
24920223	FA plus front cap V RB 200 L	galvanised	50 – 70	0.1 kg
24920224	FA plus front cap V RB 200 L	galvanised	70 – 100	0.1 kg
24900016	FA plus levelling feet coupling V RB 200 L	galvanised	21	0.1 kg
24900011	FA bolting-material set for mesh and longitudinal bar gratings: consisting of clip, bolt and sleeve nut (required per m: 2 pcs.) L	stainless steel		0.1 kg
24900012	FA bolting-material set for mesh and longitudinal bar gratings: Bolting bracket incl. press nut, U bracket + bolt, for channel with CH 50 L	galvanised		0.1 kg

NEW



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



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

A surcharge of € 100.00 may apply to orders with a value of less than € 1,000.00 to grating set-up costs.
Stock items are excluded from this surcharge.

For channels with an overall construction length of 2000 mm, longer pallets (2080x780x150mm) are used for safe transport. This results in additional costs of € 22.50.



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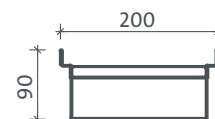
L = stock items

¹⁾ Bolting material item no. 24900013 only for RB 200, fixed CH 50 and variable CH 50-70 – for all other heights please use item no. 24900011

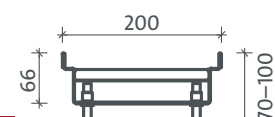
BG-FLEX FA facade channels RB 200 – STAINLESS STEEL

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

Item no.	Perforated channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
21020300	FA E RB 200, fixed height	500	50	1.3 kg
21020301	FA E RB 200, fixed height L	1000	50	2.6 kg
21020302	FA E RB 200, fixed height L	2000	50	5.3 kg
21020311	FA E RB 200, fixed height L	1000	90	3.3 kg
21020312	FA E RB 200, fixed height L	2000	90	6.6 kg
Item no.	Channel body with open base – material thickness 1.50 mm	Length mm	Height mm	Weight
21020321	FA plus E RB 200, variable CH, incl. 4 levelling feet	1000	50 – 70	2.4 kg
21020322	FA plus E RB 200, variable CH, incl. 6 levelling feet	2000	50 – 70	4.9 kg
21020323	FA plus E RB 200, variable CH, incl. 4 levelling feet	1000	70 – 100	3.0 kg
21020324	FA plus E RB 200, variable CH, incl. 6 levelling feet	2000	70 – 100	5.9 kg
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
21020331	FA E RB 200, fixed height	1000	50	2.6 kg
21020332	FA E RB 200, fixed height	2000	50	5.3 kg
21020341	FA E RB 200, fixed height	1000	90	3.4 kg
21020342	FA E RB 200, fixed height	2000	90	6.7 kg
Item no.	Gratings – width 198 mm	Material	Pc./Pallet	Weight
24520301	FA mesh grating 1000/198/20, MW 30/10 L	stainless steel	60	3.8 kg
24520302	FA mesh grating 500/198/20, MW 30/10 L	stainless steel	30	2.0 kg
24520307	FA perforated grating 1000/198/20, Ø 6 mm L	stainless steel	60	3.5 kg
24520308	FA perforated grating 500/198/20, Ø 6 mm L	stainless steel	30	1.7 kg
24520303	FA ductile iron elongated bar grating 1000/198/20, bar distance 10 mm L	stainless steel	60	6.4 kg
24520304	FA ductile iron elongated bar grating 500/198/20, bar distance 10 mm L	stainless steel	30	3.2 kg
24520305	FA cross bar grating 1000/198/20, bar distance 10 mm	stainless steel	60	8.8 kg
24520306	FA cross bar grating 500/198/20, bar distance 10 mm	stainless steel	30	4.4 kg
Item no.	Accessories	Material	Height mm	Weight
24920301	FA outlet element E RB 200, outlet DN 75, L = 1000 mm	stainless steel	50	2.8 kg
24920302	FA outlet element E RB 200, outlet DN 75, L = 1000 mm	stainless steel	90	3.5 kg
24920311	FA corner element 90° E RB 200, fixed height L	stainless steel	50	2.0 kg
24920312	FA corner element 90° E RB 200, fixed height L	stainless steel	90	2.5 kg
24920321	FA front cap E RB 200, fixed height L	stainless steel	50	0.1 kg
24920322	FA front cap E RB 200, fixed height L	stainless steel	90	0.1 kg
24920323	FA plus front cap E RB 200, CH 50-70 L	stainless steel	50 – 70	0.1 kg
24920324	FA plus front cap E RB 200, CH 70-100 L	stainless steel	70 – 100	0.1 kg
24900017	FA plus levelling feet coupling E RB 200 L	stainless steel	21	0.1 kg
24900011	FA bolting-material set for mesh and longitudinal bar gratings: consisting of clip, bolt and sleeve nut (required per m: 2 pcs.) L	stainless steel		0.1 kg
24900013	Bolting bracket incl. press nut, U bracket + bolt, for channel with CH 50 L	stainless steel		0.1 kg



Fixed height



Variable height



Other heights
available on request

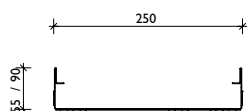
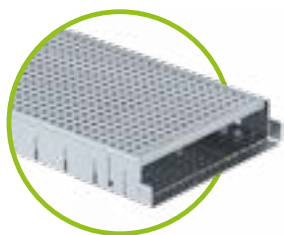


References

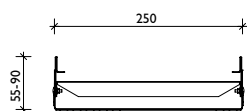


BG-FLEX_{FA}

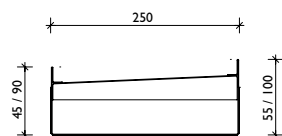
Facade channels



Fixed height



Variable height



diff. fork height



Other heights
available on request

BG-FLEX FA facade channels, RB 250 – GALVANISED STEEL

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

Item no.	Perforated channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
39430	FA V RB 250, fixed height	500	55	1.7 kg
39431	FA V RB 250, fixed height L	1000	55	3.3 kg
39432	FA V RB 250, fixed height L	2000	55	6.6 kg
39451	FA V RB 250, fixed height L	1000	90	3.9 kg
39452	FA V RB 250, fixed height L	2000	90	7.7 kg
39461	FA V RB 250, variable height L	1000	55 – 90	4.1 kg
39462	FA V RB 250, variable height L	2000	55 – 90	8.2 kg
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
39433	FA V RB 250, fixed height	500	55	1.7 kg
39434	FA V RB 250, fixed height L	1000	55	3.3 kg
39435	FA V RB 250, fixed height	2000	55	6.6 kg
39454	FA V RB 250, fixed height L	1000	90	3.9 kg
39455	FA V RB 250, fixed height	2000	90	7.7 kg
Item no.	Accessible channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
39476	FA V RB 250, different fork height	1000	45 / 55	3.2 kg
39471	FA V RB 250, different fork height	1000	90 / 100	4.1 kg
Item no.	Gratings – width 242 mm	Material	Pc./Pallet	Weight
39600	FA mesh grating 1000/242/20, MW 30/10 L	galvanised	60	4.5 kg
39601	FA mesh grating 500/242/20, MW 30/10 L	galvanised	30	2.3 kg
39606	FA perforated grating 1000/242/20, Ø 6 mm	galvanised	60	4.6 kg
39607	FA perforated grating 500/242/20, Ø 6 mm	galvanised	30	2.3 kg
39602	FA longitudinal bar grating 1000/242/20, bar distance 10 mm	galvanised	60	7.2 kg
39603	FA longitudinal bar grating 500/242/20, bar distance 10 mm	galvanised	30	3.6 kg
39604	FA cross bar grating 1000/242/20, bar distance 10 mm	galvanised	60	7.0 kg
39605	FA cross bar grating 500/242/20, bar distance 10 mm	galvanised	30	3.6 kg
Item no.	Accessories	Material	Height mm	Weight
30019	Odour trap for base outlet DN 100 L	plastic		0.2 kg
39711	FA outlet element V RB 250, outlet DN 100, L = 1000 mm L	galvanised	55	3.7 kg
39713	FA outlet element V RB 250, outlet DN 100, L = 1000 mm L	galvanised	90	4.6 kg
39714	FA outlet element V RB 250, outlet DN 100, L = 1000 mm	galvanised	55 – 90	4.3 kg
39751	FA corner element 90° V RB 250, variable height L	galvanised	55 – 90	1.1 kg
39670	FA front cap V RB 250, fixed height L	galvanised	55	0.1 kg
39671	FA front cap V RB 250, fixed height L	galvanised	90	0.2 kg
39672	FA front cap V RB 250, variable height L	galvanised	55 – 90	0.2 kg
39696	FA bolt material for all gratings: L	stainless steel		0.1 kg
	Bracket and bolt (requirement per m: 2 pcs. – only available in stainless steel)			

Gratings: FA facade channels RB 130, 200, 250 – galvanised or stainless steel



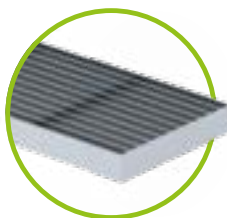
Mesh grating MW 30/10
for RB 130, 200, 250



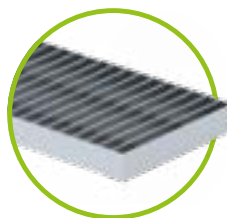
Perforated grating Ø 6 mm
for RB 130, 200, 250



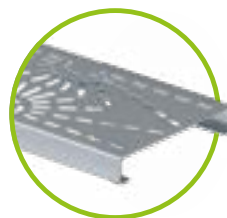
Slotted grating SW 9/85
only for RB 130



Longitudinal bar grating
for RB 130, 200, 250



Cross bar grating
for RB 130, 200, 250



Design grating "Sunrays"
Delivery time and price
available on request!



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



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

A surcharge of € 100.00 may apply to orders with a value of less than € 1,000.00 to grating set-up costs.
Stock items are excluded from this surcharge.

For channels with an overall construction length of 2000 mm, longer pallets (2080x780x150mm)
are used for safe transport. This results in additional costs of € 22.50.



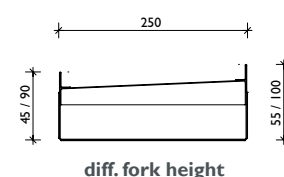
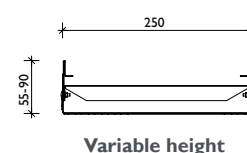
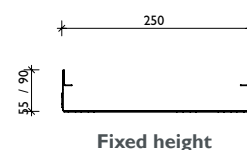
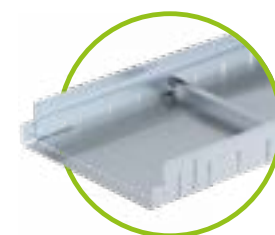
GRASPOINTNER
Sustainable innovation.

L = stock items

BG-FLEX FA facade channels, RB 250 – STAINLESS STEEL

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

Item no.	Perforated channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
39530	FA E RB 250, fixed height	500	55	1.7 kg
39531	FA E RB 250, fixed height	1000	55	3.3 kg
39532	FA E RB 250, fixed height	2000	55	6.6 kg
39551	FA E RB 250, fixed height	1000	90	3.9 kg
39552	FA E RB 250, fixed height	2000	90	7.7 kg
39561	FA E RB 250, variable height	1000	55 – 90	4.1 kg
39562	FA E RB 250, variable height	2000	55 – 90	8.2 kg
Item no.	Closed channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
39533	FA E RB 250, fixed height	500	55	1.7 kg
39534	FA E RB 250, fixed height	1000	55	3.3 kg
39535	FA E RB 250, fixed height	2000	55	6.6 kg
39554	FA E RB 250, fixed height	1000	90	3.9 kg
39555	FA E RB 250, fixed height	2000	90	7.7 kg
Item no.	Accessible channel body – material thickness 1.00 mm	Length mm	Height mm	Weight
39576	FA E RB 250, different fork height	1000	45 / 55	3.2 kg
39571	FA E RB 250, different fork height	1000	90 / 100	4.1 kg
Item no.	Gratings – width 242 mm	Material	Pc./Pallet	Weight
39630	FA mesh grating 1000/242/20, MW 30/10	stainless steel	60	4.5 kg
39631	FA mesh grating 500/242/20, MW 30/10	stainless steel	30	2.3 kg
39636	FA perforated grating 1000/242/20, Ø 6 mm	stainless steel	60	4.6 kg
39637	FA perforated grating 500/242/20, Ø 6 mm	stainless steel	30	2.3 kg
39632	FA longitudinal bar grating 1000/242/20, bar distance 10 mm	stainless steel	60	7.2 kg
39633	FA longitudinal bar grating 500/242/20, bar distance 10 mm	stainless steel	30	3.6 kg
39634	FA cross bar grating 1000/242/20, bar distance 10 mm	stainless steel	60	7.0 kg
39635	FA cross bar grating 500/242/20, bar distance 10 mm	stainless steel	30	3.6 kg
Item no.	Accessories	Material	Height mm	Weight
30019	Odour trap for base outlet DN 100	plastic		0.2 kg
39716	FA outlet element E RB 250, outlet DN 100, L = 1000 mm	stainless steel	55	3.7 kg
39718	FA outlet element E RB 250, outlet DN 100, L = 1000 mm	stainless steel	90	4.6 kg
39719	FA outlet element E RB 250, outlet DN 100, L = 1000 mm	stainless steel	55 – 90	4.3 kg
39761	FA corner element 90° E RB 250, variable height	stainless steel	55 – 90	1.1 kg
39680	FA front cap E RB 250, fixed height	stainless steel	55	0.1 kg
39681	FA front cap E RB 250, fixed height	stainless steel	90	0.2 kg
39682	FA front cap E RB 250, variable height	stainless steel	55 – 90	0.2 kg
39696	FA bolt material for all gratings:	stainless steel		0.1 kg
Bracket and bolt (requirement per m: 2 pcs. – only available in stainless steel)				



i Other heights available on request

BG-FILCOTEN®

BG-CLASSIC

BG-FLEX

References



BG-FLEX^{FA}

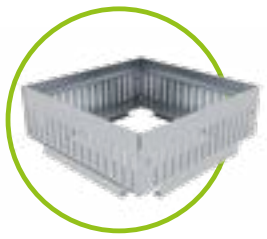
Facade channels

BG-FLEX FA gully top

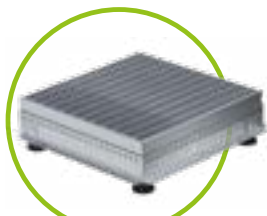
suitable as sump or maintenance unit with inserted mesh gratings



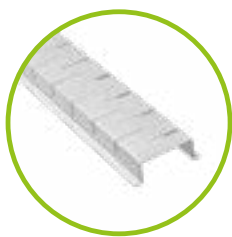
FA gully top



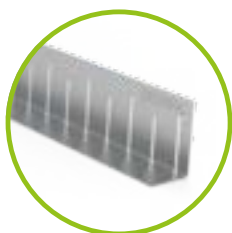
FA add-on edge



FA gully top
with mesh grating



FA branch channels



FA gravel stop

Item no.	Gully top – material thickness 1.00 mm		Material	Height mm	Weight
24925200	FA gully top V 250/250, fixed height	L	galvanised steel	50	1.9 kg
24925201	FA gully top V 250/250, variable height	L	galvanised steel	70 – 100	2.6 kg
24925202	FA gully top V 250/250, variable height	L	galvanised steel	100 – 160	2.9 kg
24925300	FA gully top E 250/250, fixed height	L	stainless steel	50	1.9 kg
24925301	FA gully top E 250/250, variable height	L	stainless steel	70 – 100	2.6 kg
24925302	FA gully top E 250/250, variable height	L	stainless steel	100 – 160	2.9 kg
24940200	FA gully top V 400/400, fixed height	L	galvanised steel	50	2.4 kg
24940201	FA gully top V 400/400, variable height	L	galvanised steel	70 – 100	3.3 kg
24940202	FA gully top V 400/400, variable height	L	galvanised steel	100 – 160	4.1 kg
24940300	FA gully top E 400/400, fixed height		stainless steel	50	2.4 kg
24940301	FA gully top E 400/400, variable height	L	stainless steel	70 – 100	3.3 kg
24940302	FA gully top E 400/400, variable height		stainless steel	100 – 160	4.1 kg
24925210	FA add-on edge V 250/250, fixed height	L	galvanised steel	80	1.5 kg
24940210	FA add-on edge V 400/400, fixed height	L	galvanised steel	80	3.3 kg
24925310	FA add-on edge E 250/250, fixed height	L	stainless steel	80	1.5 kg
24940310	FA add-on edge E 400/400, fixed height	L	stainless steel	80	3.3 kg
Item no.	Gratings for gully tops		Material	Pc./Pallet	Weight
24525200	FA mesh grating 240/240/20, MW 30/10	L	galvanised steel	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 steel	120	2.6 kg
24540300	FA mesh grating 392/392/20, MW 30/10	L	stainless steel	120	2.6 kg

BG-FLEX FA branch channel

to connect channels and outlet

Item no.	Branch channels		Length mm	Height mm	Weight
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

BG-FLEX FA gravel stop

Item no.	Gravel stop		Length mm	Material	Weight
24900701	FA gravel stop 30x50 mm, perforated, 2 mm thickness	L	2000	aluminium	0.8 kg
24900702	FA gravel stop 50x80 mm, perforated, 2 mm thickness	L	2000	aluminium	1.3 kg



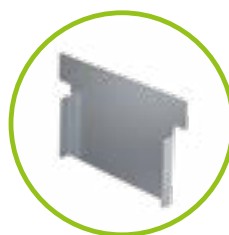
Positioning of outlet opening:
channel end to centre of
outlet = 250 mm



FA outlet element,
with bottom outlet DN 75



FA corner elements



FA front caps



FA bolting material

Every product needs structure.

We ensure conformity.

Key points of Austrian standard ÖNORM B 3691:

There are three different areas of use:

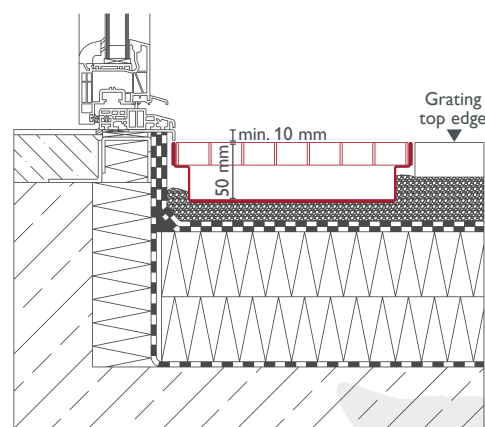
- **Exposed location:** Wall, door or window connection directly exposed to weathering caused by driving rain
- **Partially exposed location:** Wall, door or window connection partially protected from weathering caused by driving rain
- **Non-exposed location:** Wall, door or window connection protected from weathering caused by driving rain

Door and window element connections compliant with Austrian standard B 3691:

	min. width of drainage channel in mm	min. height of the drainage channel in mm	minimum height above covering	Recommended product
Partially exposed location	120	80	10	FA RB 130, fixed height 80 FA RB 130, variable height 80-120
	200	40	10	FA RB 200, fixed height 50 FA RB 200, variable height 50-70
Exposed location	120	180	10	FA RB 130, fixed height 180
	200	90	10	FA RB 200, fixed height 90 FA RB 200, variable height 70-100

Further important requirements under Austrian standard B 3691:

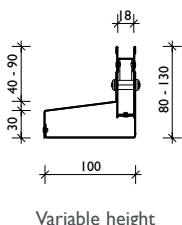
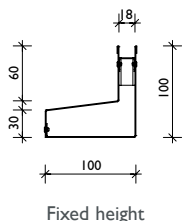
- The cross section of the hydraulic channel must be adapted to local conditions
- For roof drainage, branch channels must be installed underneath the covering in the gravel bed or underneath bound covering
- Double-sided perforated and/or closed side walls of the drainage channel
- For variable-height drainage channels, height adjustment should be possible when installed
- For facade channels installed in front of the soffit, the area between the door element and channel must have a 5° slope. In such case, the channel must be extended at least 20 cm beyond the door reveal width on both sides.





BG-FLEX^{TE}

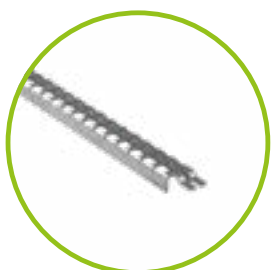
Terrace slot channel



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

for drainage of terraces and gardens

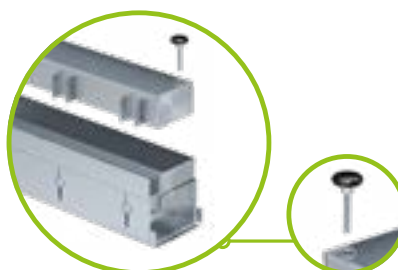
Item no.	Asymmetric – material thickness 1.00 mm		Length mm	Height mm	Weight
38000	TE E SW 18 – unperforated	L	1000	100	3.0 kg
38010	TE E SW 18 – unperforated	L	1000	80 – 130	3.7 kg
38020	TE E SW 18 – perforated	L	1000	100	3.0 kg
38030	TE E SW 18 – perforated	L	1000	80 – 130	3.7 kg
Item no.	Grating		Material	Pc./Pallet	Weight
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 grating SVV 8 mm, L = 000 mm	L	wood	200	0.1 kg
Item no.	Accessories		Material	Height mm	Weight
38040	TE maintenance unit 500/100 with lateral or lower outlet	L	stainless steel	80 – 130	3.0 kg
13399	TE opening tool for maintenance unit-grating – 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



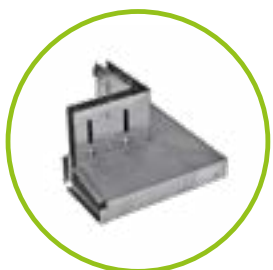
TE construction time grating made of wood, L = 1000 mm



TE maintenance unit 500/100 with bottom outlet: DN 75 / lateral DN 50



TE front cap left/right, width 100 mm



TE external corner 200/200 – non-perforated



TE internal corner 200/200 – non-perforated



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

A surcharge of € 100.00 may apply to orders with a value of less than € 1,000.00 to grating set-up costs. Stock items are excluded from this surcharge.



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Sustainable innovation.

L = stock items



BG-FLEX™

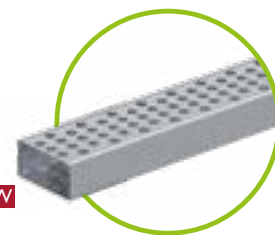
Terrace channel

BG-FLEX™ terrace channel, RB 60 – STAINLESS STEEL

for drainage of paving on terraces and balconies

Item no.	Channel body	Length mm	Height mm	Weight
21106301	Channel element	1000	30	2.1 kg
Item no.	Outlet element	Length mm	Height mm	Weight
21106302	Outlet element, outlet DN 50	1000	30	2.1 kg
21106311	SET s	1000x1000	30	4.1 kg

NEW



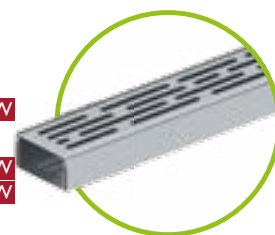
BG-FLEX™ terrace channel, RB 60, LINEAR – STAINLESS STEEL

for drainage of paving on terraces and balconies

Item no.	Channel body LINEAR	Length mm	Height mm	Weight
21106305	Channel element	1000	30	2.0 kg
Item no.	Outlet element	Length mm	Height mm	Weight
21106306	Outlet element, outlet DN 50	1000	30	2.1 kg
21106312	SET corner element	1000x1000	30	4.0 kg

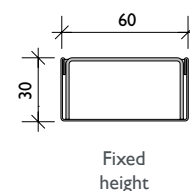
NEW

NEW

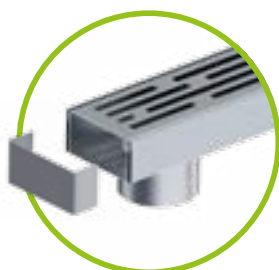


Advantages of the new mini channel for terraces:

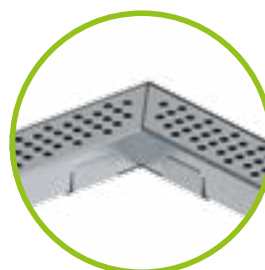
- Material thickness: Channel body 0.75 mm / grating 1.50 mm
- Narrow, discreet look through channel width 60
- Installation simultaneously with the paving stones on the surface, no special substructure is required
- Channel grating film provides protection against damage while construction is ongoing
- DIY possible due to quick-and-easy installation



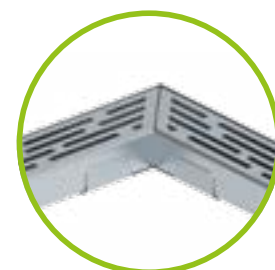
Outlet element incl.
front cap/push-on grating,
bottom outlet DN 50



Outlet element LINEAR incl.
front cap/push-on grating,
bottom outlet DN 50



SET corner element



SET corner element
LINEAR

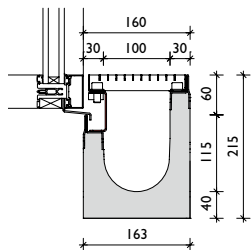
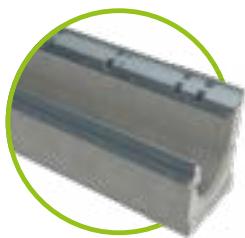
References





BG-CLASSIC BGU-Z

Facade channels



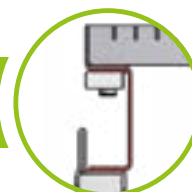
BG-CLASSIC BGU-Z, NW 100

concrete channel with different limb heights and integrated galvanised (V) or stainless steel edge (E)

Item no.	Channel body with safety joint	Slope	Pc./Pallet	Weight
34045	BGU-ZV NW 100, diff. fork height ¹⁾	0.0 %	28	39.5 kg
34047	BGU-Z E NW 100, diff. fork height ¹⁾	0.0 %	28	39.5 kg
Item no.	Special profile incl. bolt material	Material	Pc./Pallet	Weight
32076	Special profile for height adjustment for BGU-Z facade channel ¹⁾	galvanised		0.2 kg
32077	Special profile for height adjustment for BGU-Z facade channel ¹⁾	stainless steel		0.2 kg
Item no.	Gratings	Load class	Pc./Pallet	Weight
22152	Mesh grating 1000/147/25, MW 30/10	C 250	120	4.1 kg
22153	Mesh grating 500/147/25, MW 30/10	C 250	48	2.2 kg
Item no.	Accessories	Material	Pc./Pallet	Weight
22220	Front and/or end cap	galvanised		0.4 kg
22221	End cap with outlet DN 100	galvanised		0.5 kg



Special profile for height adjustment is bolted with the grating. Requirement: 2 pieces per grating



References



As special as your requirements.

Our special solutions.

We know that some challenges cannot be solved with standard channel elements. Our technicians will be happy to design special components or individual solutions for your requirements. With our know-how, we will make what you need and provide you with support on site.

Tell us about your project!

Our technical support team will be happy to provide you with a quote for your project.



FA facade channel – adapted to the building



Slot tops for fountains / segment arches



FA facade channel – radial installation



FA facade slot channel – curved

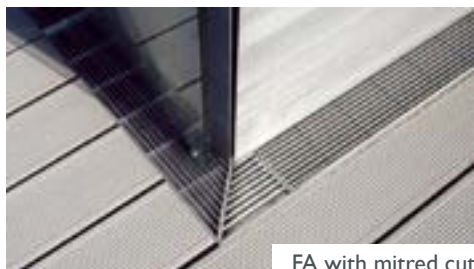


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References



Slot top with drainage-slots for drainage of the second level



FA with mitred cut



FA with design grating "Sunrays"



FA with anti-slip mesh grating

Discreet, yet exceptionally efficient & stable.

Indoor slot channel system BG-FLEX omega

The ability to withstand heavy loads without a grating 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.

Thanks to the "V" shaped channel bottom, liquids can be drained off safely and efficiently. An odour trap is integrated in the outlet elements as standard.

Areas of application.

Food industry, industrial kitchens, slaughterhouses, wineries, breweries, etc.

Load class C 250

Visible edge with shimming

- made from PVC, bonded into the edge profile
- for cavity-free, high load capacity grouting in the concrete/in the coating

Liquid-tight joint

- bolted flange
- seal made from EPDM (alternatively made from Teflon or silicone)
- complete with stainless steel M8 bolting

Corner element

- corner element with fork length of 500 mm
- low cost and efficient corner solution
- best navigability

Outlet elements incl. odour trap

- Outlet element with vertical outlet (see picture above) or horizontal outlet
- various dimensions and heights for higher drainage capacity
- removable Silt bucket
- solid grating navigable up to B 125, Class C 250 on request



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Sustainable innovation.

Channel body made from stainless steel

- 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 16 mm, no grating required

Connecting elements

- for corners, cross or T connections
- also possible with outlet

Channel with outlet

- vertical/horizontal outlet directly from the channel element
- freely chosen position in the channel run

Anchor plate

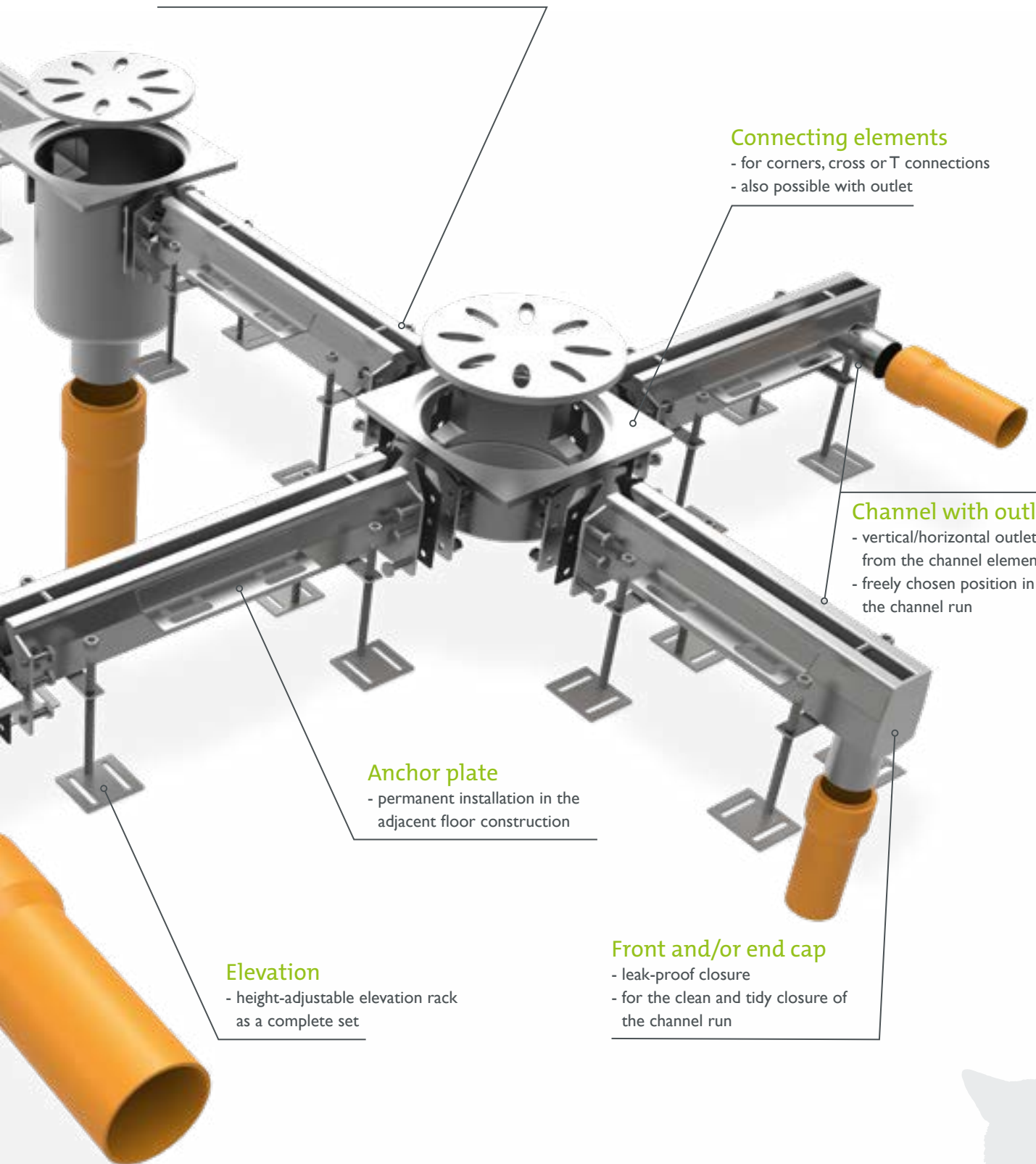
- permanent installation in the adjacent floor construction

Elevation

- height-adjustable elevation rack as a complete set

Front and/or end cap

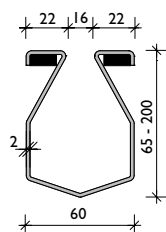
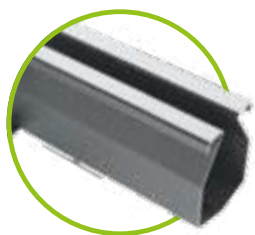
- leak-proof closure
- for the clean and tidy closure of the channel run



up to class C 250

BG-FLEX omega

Indoor slot channel system



Flange connection
with seal

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
omega – SW 16, without slope, different heights – flange on both sides	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
omega – SW 16, with 0.5 % slope, different heights – flange on both sides	to max. 3000	65 – 200	4.5 – 24.6 kg

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-elements incl. odour trap and Silt bucket	Material	Height mm	Weight
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 outlet DN 100, for horizontal connection	stainless steel	260	8.3 kg



Other outlet elements 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!

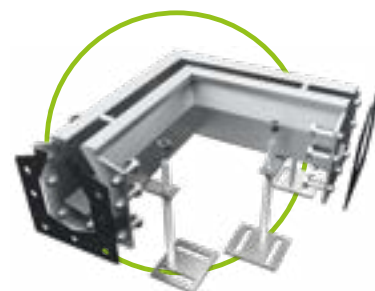


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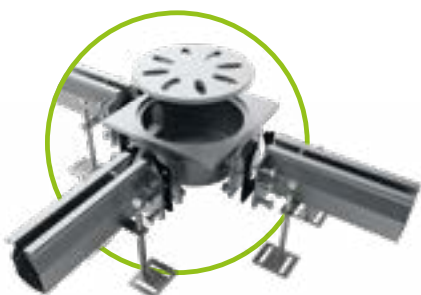
Accessories

for BG-FLEX omega slotted channels, SW 16

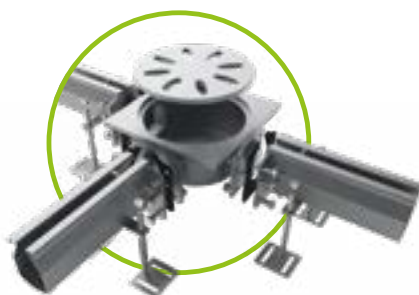
Accessories	Material	Height mm	Weight
omega corner 90°, fork length 500 mm	stainless steel	65 – 200	4.4 – 9.0 kg
omega corner connector 90°	stainless steel	65 – 200	5.7 – 7.3 kg
omega T-connector	stainless steel	65 – 200	6.1 – 7.8 kg
omega cross connector	stainless steel	65 – 200	6.5 – 8.3 kg
omega front 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 fork
length 500 mm



omega
corner connector



omega
T-connector



omega
cross connector

Tell us about your project!

Our technical support team will be happy to provide you
with a quote for your project:

Tel.: +43 6233/8900-0 / sales.int@bg-graspointner.com



References



square, practical, **tight.**

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.

Areas of application.

Car parks, parking areas, food processing sites, chemical plants, breweries, dairies, supermarkets, catering, hospitals, etc.

Load class C 250

Liquid-tight joint

- bolted flange
- seal made from NBR
- complete with stainless steel M6 bolting

Front cap

- for a clean connection with the channel line
- incl. coating slot
- with bolted seal

Perforated coating slot

- permanently connects the floor coating to the perforated slot connection plate

Elevation

- height-adjustable elevation rack as a complete set



Grating

- COMBee plastic design-grating or
mash grating made from stainless steel
- Hole size 7mm or MW 30/10
- Load class B 125 or C 250
- with fiX-locking
- bolting available at extra cost

Sump pit edge

- as connecting element
- also for T, corner and cross connections
- as stacking edge for a catch basin/sump pit
constructed on site

Anchor bar

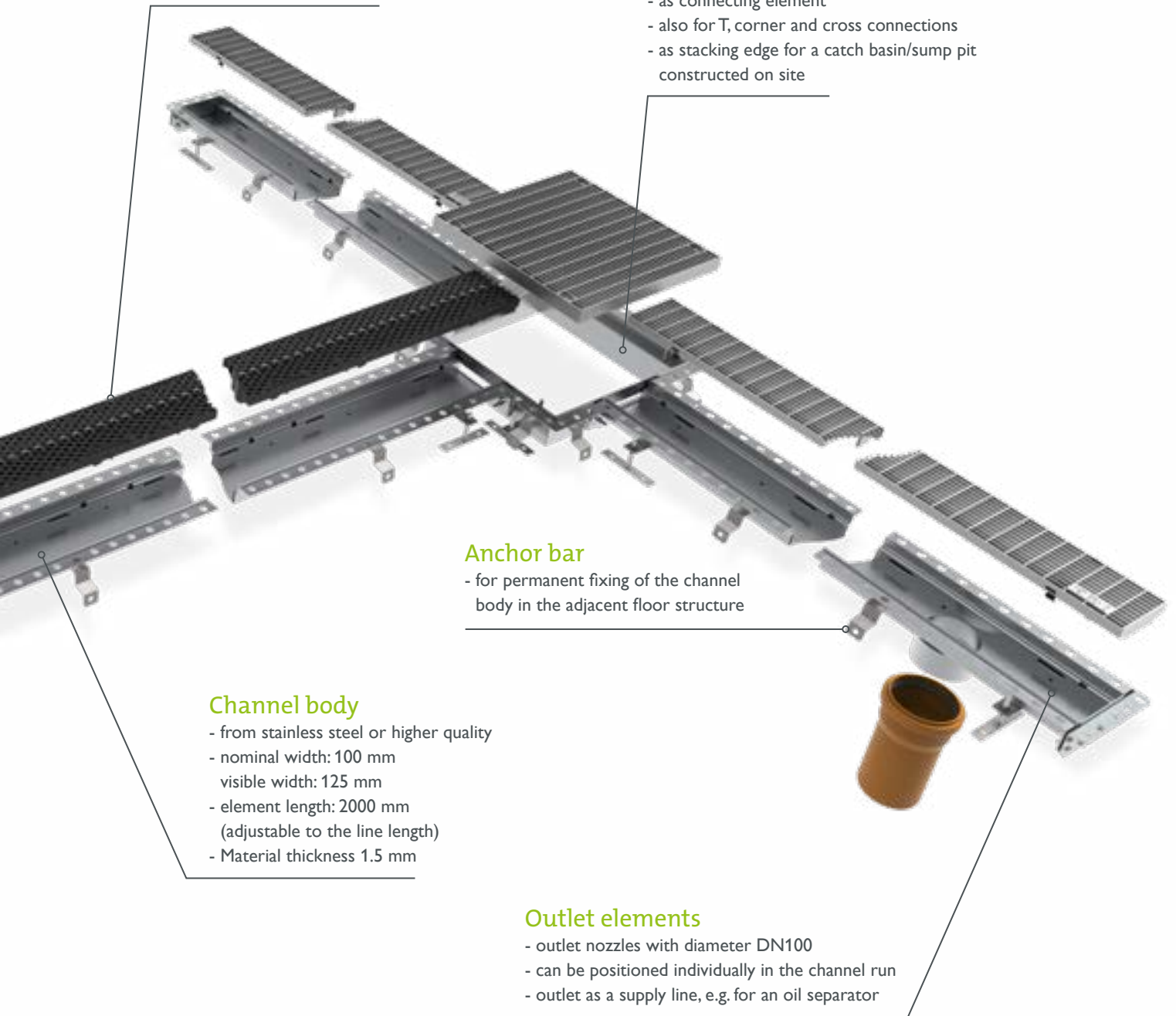
- for permanent fixing of the channel
body in the adjacent floor structure

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 elements

- outlet nozzles with diameter DN100
- can be positioned individually in the channel run
- outlet as a supply line, e.g. for an oil separator



up to class C 250

BG-FLEX sigma tec

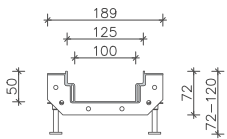
Drainage channel system



BG-FLEX sigma tec, NW 100 – STAINLESS STEEL

Channel elements without slope, with sealing flange Incl. elevation, seal and bolted butt joint

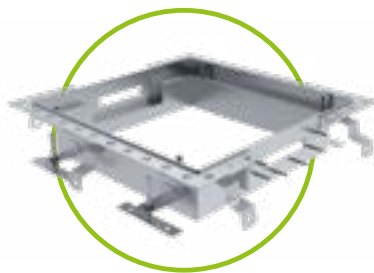
Item no.	sigma tec without slope – material thickness: 1.5 mm	Length mm	Height mm	Weight
20710351	Standard element L	2000	72	10.2 kg
20710352	Channel element L	500	72	3.3 kg
20710353	Channel element	1000	72	5.6 kg
20710354	Channel element	1500	72	8.5 kg
20710355	fitting element	on request	72	



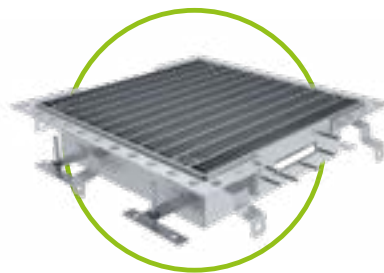
BG-FLEX sigma tec outlet elements

Sump pit edge, 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
20710361	Channel element NW 100, with outlet DN 100 L	500	72	3.8 kg
20710362	Fitting element NW 100, incl. bottom outlet DN 100	on request	72	
Item no.	Sump pit edge, material thickness 1.5 mm	Material	Height mm	Weight
20710371	End element 400/400	stainless steel	100	4.5 kg
20710372	Straight connection element	stainless steel	100	4.0 kg
20710373	Corner element 90° 400/400	stainless steel	100	4.0 kg
20710374	T-element 400/400	stainless steel	100	4.5 kg
20710375	Cross element 400/400	stainless steel	100	4.5 kg
Item no.	Gratings, material thickness 1.5mm	Load class	Height mm	Weight
20700301	Mesh grating for sump pit edge MW 30/10	B 125	30	10.0 kg
20700302	Mesh grating for sump pit edge MW 30/10	C 250	30	11.8 kg



sigma tec
Sump pit edge



sigma tec
Sump pit edge
with mesh grating



Please note that these products are manufactured to order – they are not stock products!



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Gratings and accessories

for BG-FLEX sigma tec drainage channel nominal width 100

Item no.	Gratings with fiX-locking	Load class	Height mm	Weight
17010322	Mesh grating 1000/122/20, MW 30/10, stainless steel ¹⁾	C 250	20	3.3 kg
17010401	COMBee design grating 500/123/20, Ø 7.3 mm, plastic PA6 ³⁾	B 125	20	0.9 kg
17010402	COMBee design grating 500/123/20, Ø 7.3 mm, plastic PA6 ³⁾	C 250	20	1.1 kg

Item no.	Accessories	Material	Weight
20710317	Front cap NW 100, incl. seal & bolts	L stainless steel	0.6 kg
	Base outlet 150x150 mm material thickness: 3mm, outlet nozzles DN 100, incl. mesh grating	stainless steel	0.5 kg



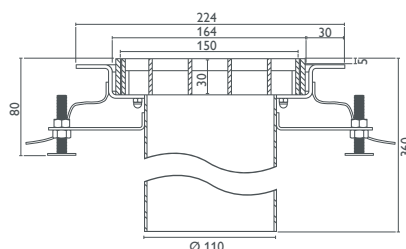
Mesh grating class C



COMBee design grating



Front cap



Base outlet 150x150 mm

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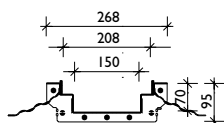
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up to class C 250

BG-FLEX sigma

Drainage channel system



Flange connection
with NBR sealing
bolted

BG-FLEX sigma, NW 150 – STAINLESS STEEL

Channel body without slope, with welded-on sealing flange, standard length 4000 mm

sigma without slope – material thickness: 1.5 mm	Length mm	Height mm	Weight
sigma drainage channel with flange, Visible width: 208 mm, internal height: 70 mm	4000	95	29 kg

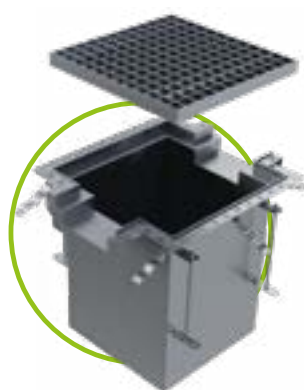
BG-FLEX sigma outlet elements

Sump pit edge or sump pit basin, to be placed anywhere in the channel run,
as connection, end, T or cross elements

Sump pit edge	Material	Height mm	Weight
sigma sump pit edge – end element	stainless steel	100	5.3 kg
sigma sump pit edge – corner or connecting element	stainless steel	100	5.5 kg
sigma sump pit edge – T-element	stainless steel	100	5.7 kg
sigma sump pit edge – cross element	stainless steel	100	5.8 kg
Sump pit basin	Material	Height mm	Weight
sigma sump pit basin – end element	stainless steel	482	13.3 kg
sigma sump pit basin – corner or connecting element	stainless steel	482	13.4 kg
sigma sump pit basin – T-element	stainless steel	482	13.6 kg
sigma sump pit basin – cross element	stainless steel	482	13.8 kg
Gratings for sump pit	Load class	Height mm	Weight
Mesh grating 397/397/30, MW 30/10	B 125	30	7.0 kg
Mesh grating 397/397/30, MW 30/30	B 125	30	5.0 kg
Mesh grating 397/397/30, MW 30/10	C 250	30	7.8 kg
Mesh grating 397/397/30, MW 30/30	C 250	30	6.0 kg



sigma
Sump pit edge



sigma
Sump pit basin



Please note that these products are manufactured to order – they are not stock products!



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Gratings and accessories

for BG-FLEX sigma drainage channel nominal width 150

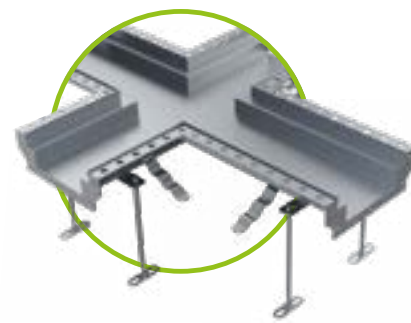
Gratings without bolt connection	Load class	Height mm	Weight
Mesh grating 1000/197/30, MW 30/10	B 125	30	8.0 kg
Mesh grating 1000/197/30, MW 30/30	B 125	30	6.0 kg
Mesh grating 1000/197/30, MW 30/10	C 250	30	10.0 kg
Mesh grating 1000/197/30, MW 30/30	C 250	30	8.0 kg
Accessories	Material	Height mm	Weight
sigma corner element 90°, fork length 700 x 700 mm	stainless steel	95	8.9 kg
sigma T-element, fork length 1000 x 700 mm	stainless steel	95	11.6 kg
sigma cross element, fork length 1000 x 700 mm	stainless steel	95	11.2 kg
Additional price for tightly welded bottom outlet nozzles DN 100			
Additional charge for bolted gratings per running meter / grating incl. sump pit			



sigma corner element 90°,
fork length 700 x 700 mm



sigma T-element,
fork length 1000 x 700 mm



sigma cross element,
fork length 1000 x 700 mm

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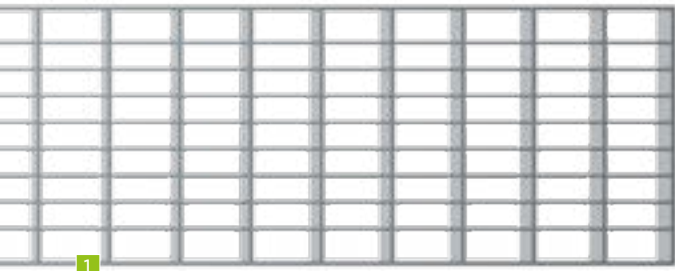


References

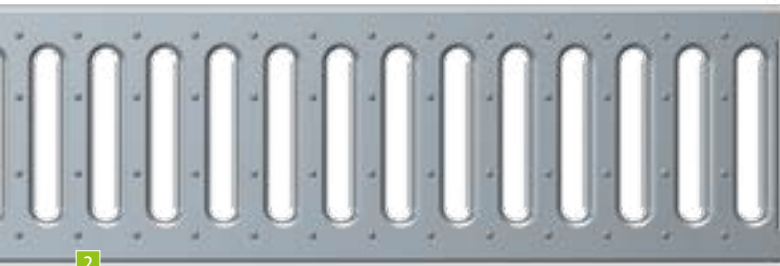


Gratings on the **left** are
beautiful & functional.

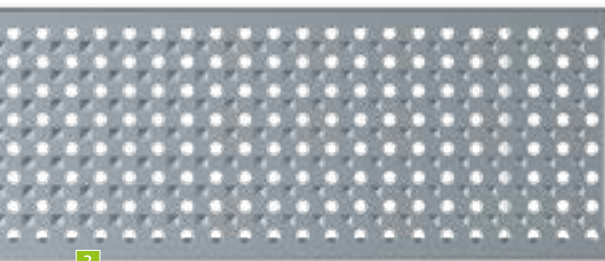
On the **right** it's the **other way around.**



1



2



3



FA bolting material

BG-FLEX FA

Gratings	SW, MW, Ø in mm	
1 Mesh grating ³⁾	MW 30/10	
2 Slotted grating	SW 9/85	
3 Perforated grating	Ø 6	
4 Elongated bar grating ³⁾	SW 10	
5 Cross bar grating	SW 10	
6 Design grating "Sunrays"		

BG-FLEX TE

Gratings	SW, MW, Ø in mm	
7 Slot inlay	MW 8/8	

BG-FLEX TM

Gratings	SW, MW, Ø in mm	
8 Perforated grating	Ø 6	
9 Linear grating	SW 5	

BG-FLEX sigma tec

Gratings	SW, MW, Ø in mm	
10 COMBee design grating	Ø 7.3	
11 Mesh grating	SW 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
 PA: Polyamide plastic

³⁾ FA bolting material kit
 Optional attachment with bolting material



4



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5



6



7

Facade channels

	RB 130	CW 200	CW 250	Class ¹⁾	Material ²⁾
	✓	✓	✓	walkable	V, E
	✓			walkable	V, E
	✓	✓	✓	walkable	V, E
	✓	✓	✓	walkable	V, E
	✓	✓	✓	walkable	V, E
	✓			walkable	V, E

Terrace slot channels

	NW 100	Class ¹⁾	Material ²⁾
	✓	walkable	E

Terrace channels

	CW 60	Class ¹⁾	Material ²⁾
	✓	walkable	E
	✓	walkable	E

Drainage channel system

	NW 100	Class ¹⁾	Material ²⁾
	✓	B, C	PA
	✓	C	E



8



9



www.say.bg/en/blacklabel_pdf

10 BG-BLACKLABEL
design line



11



12



BG-Accessories



BG-sealing system

for channels with safety joint

For quantity determination see www.bg-graspointner.com

Item no.	General application – e.g. parking areas, open spaces	Package
31300	Sealant 1K – standard, concrete grey – product: Sikaflex Pro 3	600 ml/bag
31302	Undercoat/ primer – product: 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 dangerous goods areas – e.g. petrol stations	Package
31301	Sealant 1K – special, concrete grey – product: Sikaflex Tank N	600 ml/bag
31302	Undercoat/ primer – product: 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 tools	Load capacity	Opening width	Tare weight
80002	Lifting grab for manual laying	ca. 150 kg	0 – 400 mm	ca. 4.5 kg
80018	Lifting grab for channels and cable troughs ¹⁾	ca. 250 kg	150 – 600 mm	ca. 18 kg
80019	Lifting grab for channels and cable troughs ²⁾	ca. 600 kg	50 – 600 mm	ca. 29 kg
80022	Lifting grab for BG-FILCOTEN® green, pro 400 BG-CLASSIC BGZ-S 300, 400 and 500 ³⁾	ca. 1.400 kg	50 – 780 mm	ca. 150 kg
80023	Lifting grab for BG-FILCOTEN® green, pro 400 BG-CLASSIC BGZ-S 400 and 500 ⁴⁾	ca. 500 kg	390 – 415 mm	ca. 50 kg
19115900	Lifting hook for BG-FILCOTEN® one NW 150, green, (2 pcs.)	ca. 300 kg		1.9 kg
19120900	Lifting hook for BG-FILCOTEN® one NW 200, black, (2 pcs.)	ca. 300 kg		2.1 kg
80060	Lifting strap for BG-CLASSIC safety channels and BGZ-S (2 pcs.)	ca. 2,000 kg	strap length 4 m	ca. 3.2 kg
82040	Lifting straps M 12	500 kg		ca. 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 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 CH615, NW 400 and NW 500 (2.5 m)



80023 – lifting grab for BG-FILCOTEN® green, pro 400 & BG-CLASSIC BGZ-S NW 400 (1m) / NW 500 (1m)



Lifting hook for BG-FILCOTEN® one 19115900 – NW 150 (green) and 19120900 – NW 200 (black)



80060 – Lifting strap for BG-CLASSIC: safety channels & BGZ-S heavy-duty channels



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



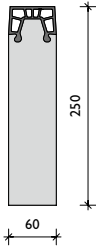
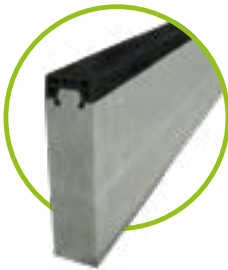
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BG-soft kerbstones

BG-soft kerbstones

Soft kerbstones are used to form a boundary at sport facilities, and to provide a fortification between different surfaces, such as sand and grass on volley ball grounds. The black rubber profile is embedded in concrete to cushion heavy falls and protect against injuries.

Item no.	Soft kerbstones made of concrete incl. rubber edge (black)	Weight	Pc./Pallet
65001	Soft kerbstone 1000/60/250	32 kg	17
Item no.	Soft kerbstones – corner element made of concrete incl. rubber edge (black)	Weight	Pc./Pallet
65011	Soft kerbstones – corner element 250/250/60/250	14 kg	20



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

References



BG-FILCOTEN®

BG-CLASSIC

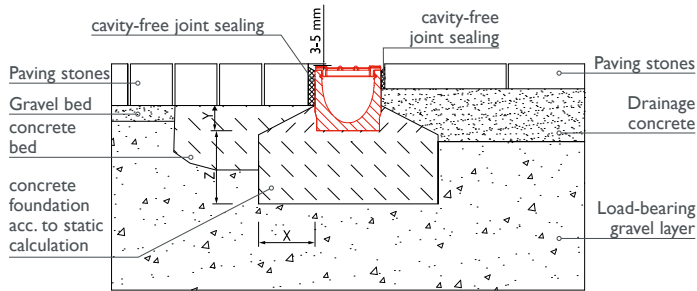
BG-FLEX

Special products

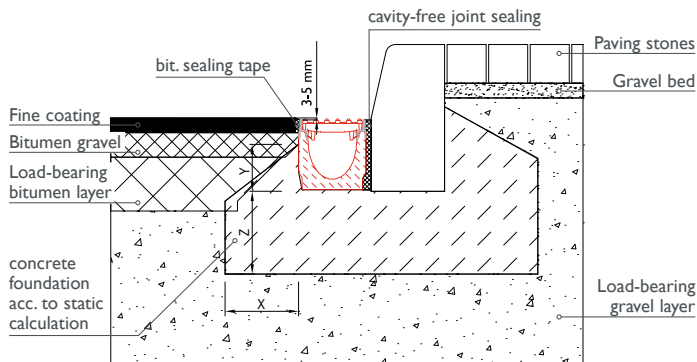


BG-Installation examples

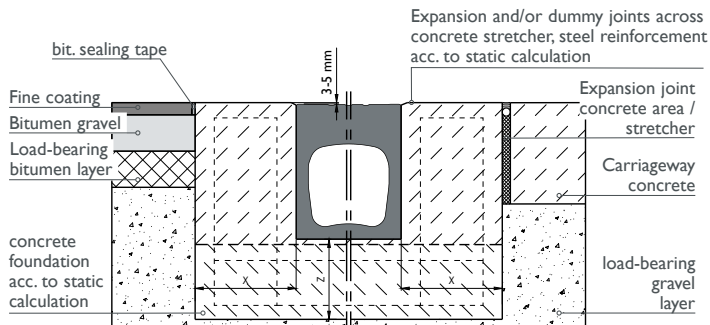
BG-FILCOTEN® and BG-CLASSIC



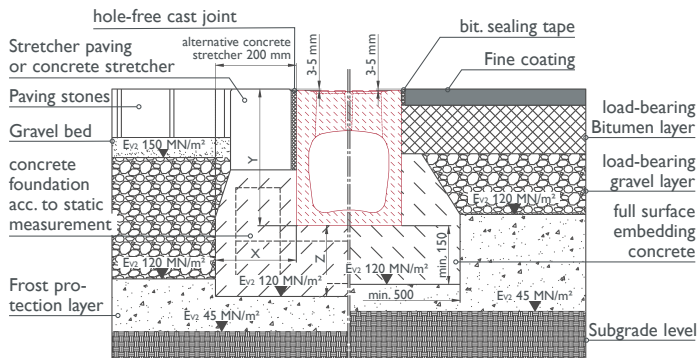
BG-FILCOTEN® light NW 100: Paving – paving grating: class A – C



BG-FILCOTEN® pro NW 100: Asphalt – kerbstone: Class C



BG-FILCOTEN® one NW 150: Asphalt – concrete: Class C



Paving Class D-E | BG-FILCOTEN® one | Asphalt: Class A – D

From the lower edge of the concrete levelling layer, the sub-grade is to be gratinged with an EV2 of > 120 MN/m². If this cannot be achieved, an additional foundation is to be created, taking static measurements into account.

The installation drawings are general 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.

CAUTION: Acceleration, braking and torque forces must also be taken in consideration. Follow the installation instructions. Technical specifications are subject to change.

General notes

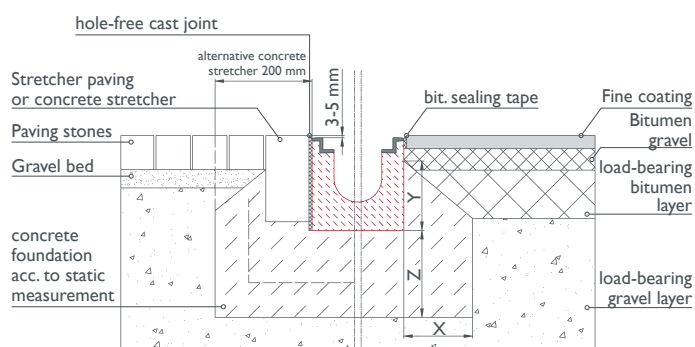
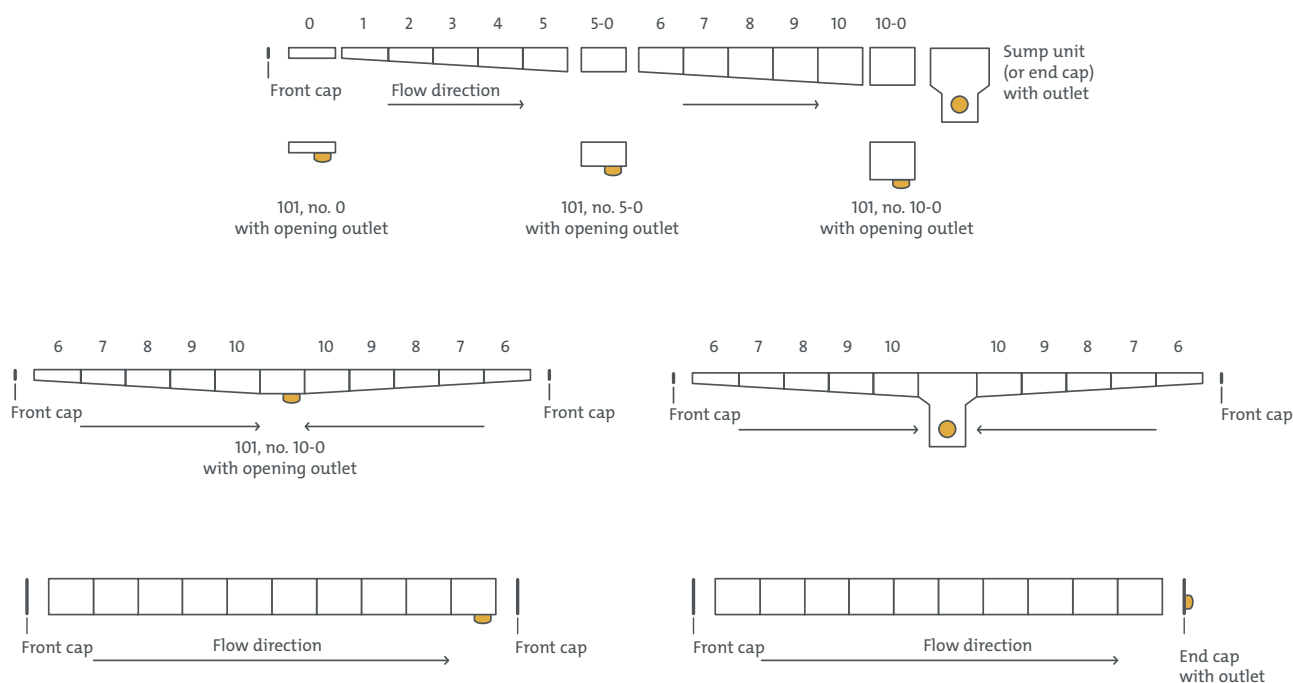
The following installation guidelines and examples are provided for standard applications. The engineer must adapt the load class and the installation location according to EN 1433 to the local conditions. The generally-recognised technical rules and regulations must be observed during installation. In special cases, please contact BG Technical Support.

1. BG-FILCOTEN® and BG-CLASSIC channels are positioned in a concrete foundation according to Austrian standard (Ö-Norm) B4710-1 or in drainage concrete according to RVS 08.18.01. The slope of the channel must be taken into consideration when excavating. Each channel is marked with an arrow showing the direction of flow – see the table below for details and measurements. The channel elements should always 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. From class D 400 kN, according to Austrian standard (Ö-Norm) EN 1433 a locking device (bolts, fix, SV) should ideally be used.
3. The rebated joint between the channel bodies can be sealed and cemented with appropriate sealing compounds – for a description of the materials and the quantity calculation, see the BG sealing system – www.say.bg/en/sealing.
4. Before making the adjacent grating 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).
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. Space joints running transversely to the channel run are to be arranged in the adjacent concrete surfaces so that they run through a channel joint.
6. To prevent uncontrolled stress cracks in a concrete stretcher along a channel line, planned 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 (of 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 backrest. 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 concrete. 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.
8. All adjacent surfaces should always be 3-5 mm higher than the surface of the channel/grating to avoid mechanical damage (e.g. snow clearing) and to guarantee the water drainage.
9. In areas with expected exposure to chemical substances (e.g. de-icing salts, acids, bases, etc.), we recommend installing drainage channels with a stainless steel edge or to use steel channels of high quality stainless steel.
10. Channel-grating-systems (drainage 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.

Installation examples



Paving Class E | BG-CLASSIC BGZ-S | Asphalt: Class A – D

*For hardened concrete foundations, a mortar bed which is at least 2 cm thick must be provided.

	BGZ-S, FCT-one				
Load class	B 125 kN	C 250 kN	D 400 kN		E 600 kN
concrete quality of foundation according to Austrian standard (O-Norm) B4710-1*	C 20/25	C 20/25	C 25/30	C 25/30	C 25/30
Width: X	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm	≥ 20 cm
Height: Y	Channel height - 5 cm			Channel height	
Thickness: Z	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm	≥ 20 cm
constr. reinforcement	not necessary		necessary		

* concrete quality is a minimum requirement which is to be adapted to the local requirements.

Class F 900 is to be clarified on request with our application engineers.



Installation of concrete channel with edge.

- resilient up to class F 900 kN – depending on channel type
- adjacent covering surfaces (asphalt, concrete) can be easily and neatly processed on the edge edge
- if horizontal forces occur (carriageway concrete) an expansion joint is to be provided at a distance of 30-150 cm
- gratings should be bolted in place from a load class of D 400 kN

BG-Installation examples

A) Installation guideline BG-FLEX omega

B) Installation guideline BG-FLEX sigma & sigma tec

1) A+B The following BG installation and maintenance guidelines and example installations are provided for standard applications. The engineer must adapt the load class and the installation location according to EN 1433 to the local conditions. The technical policies and guidelines that are generally recognised by experts should be taken into consideration. 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 floor panel.

2.2) A+B The channel elements should be laid according to the installation plan/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 flange.

2.3) A First, the pipe nozzles/outlet element has to be connected to the sewer and levelled in height with the lower nut of the supports (do not tighten the second nut yet) – channel edge ca. 1 – 1.5 mm below the level of the finished floor.

2.3) B First, the pipe nozzles/outlet element 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 edge 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 incl. 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 supports 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 grout, 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.

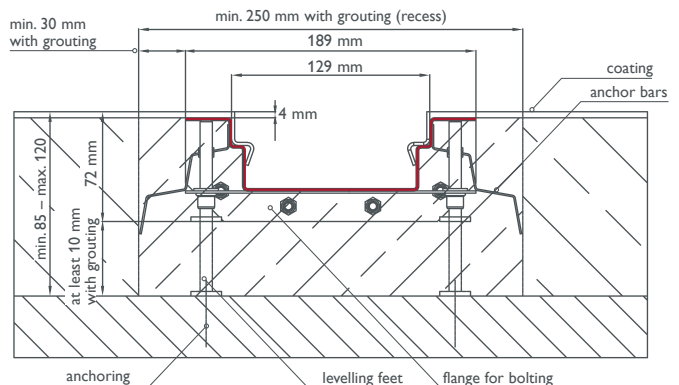
2.10) A+B When pouring and moving the concrete, take care that the position and shape of the channel body does not change.

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 the coating in accordance with the specifications of the coating manufacturer.

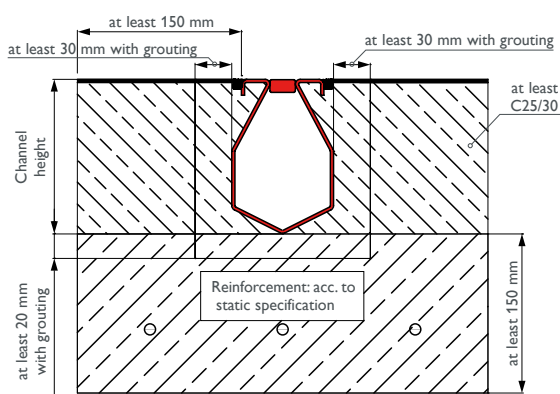
4) A All adjoining floor grating surfaces should be permanently ca. 1-1.5 mm higher than the surface of the channel in order to ensure the proper water drainage.

5) A+B Cleaning and maintenance work: In areas in which exposure to chemical substances (e.g. de-icing chemicals, acids, lye, etc.) is to be expected, we recommend cleaning the channel regularly in order to prevent deposits.

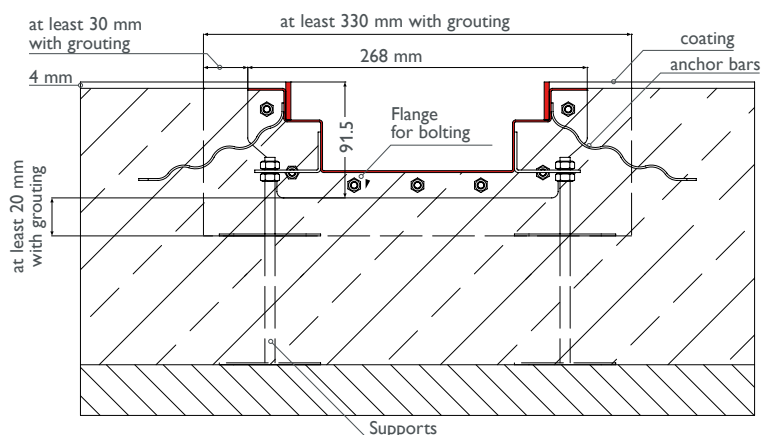
Installation example BG-FLEX sigma tec:



Installation example BG-FLEX omega:



Installation example BG-FLEX sigma:



Installation example BG-FLEX FA facade channel.

Installation for low building seal connection height

When a facade channel is used, the initial seal connection height of 10 cm can be reduced to 3 cm and/or 1 cm. The seal heights are stipulated in Austrian standard (ÖNORM) B 3691 and are to be complied with during construction.

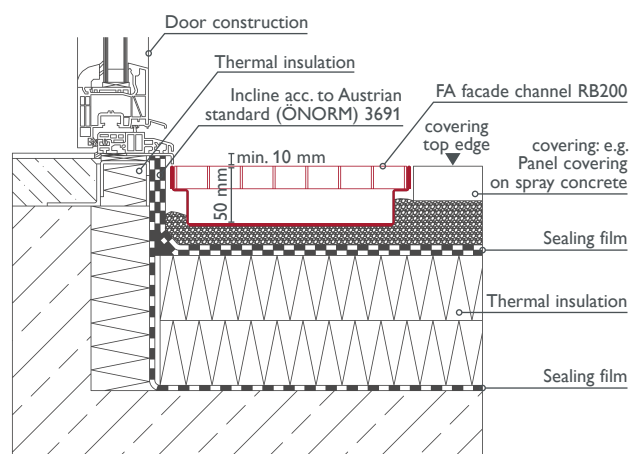
Installation on a roof terrace

The facade channel with a branch channel can also be used with a construction of insignificant height and should be used if there is a long distance to the next roof drain (top section).

Installation for soil touching areas

BG-FA facade channels with perforations on both sides, laid in a gravel bed or drainage concrete, leads the accumulated precipitation water to seep into the ground.

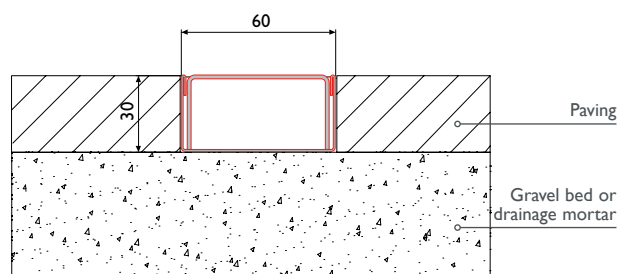
BG-FA unperforated facade channels are suitable for controlled drainage of precipitation water, and can be connected to the surface drainage system.



Installation chart BG-FLEX TM terrace channel.

The terrace channel is used for drainage of terraces in combination with paving stones. Its low height of 30 mm means it can be installed anywhere on the joint between the paving stones without a special base being required.

The accumulating surface water is reliably and rapidly drained through the perforated grating grate.

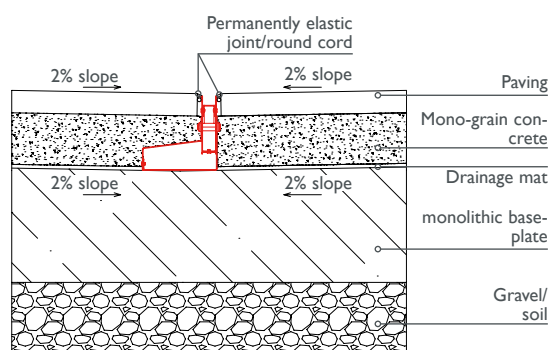


Installation chart BG-FLEX TE terrace slot channel.

The BG-TE Terrace slot channel is mainly used for 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.

The surface water is drained via the narrow slot and the slot inlay, the surface water is led away, and the intruding seepage is absorbed by the slotted channel body.

Due to the height adjustment, differences in level and slope between the floor surface and base plate can be perfectly balanced.



NOTE: Galvanised channel elements must not be laid on fresh lime or cement mortar, and must not be grouted with acetic silicone in order to avoid corrosion.



For detailed questions, our technical department would be happy to assist you. Please do not hesitate to contact us!

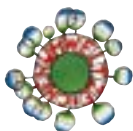


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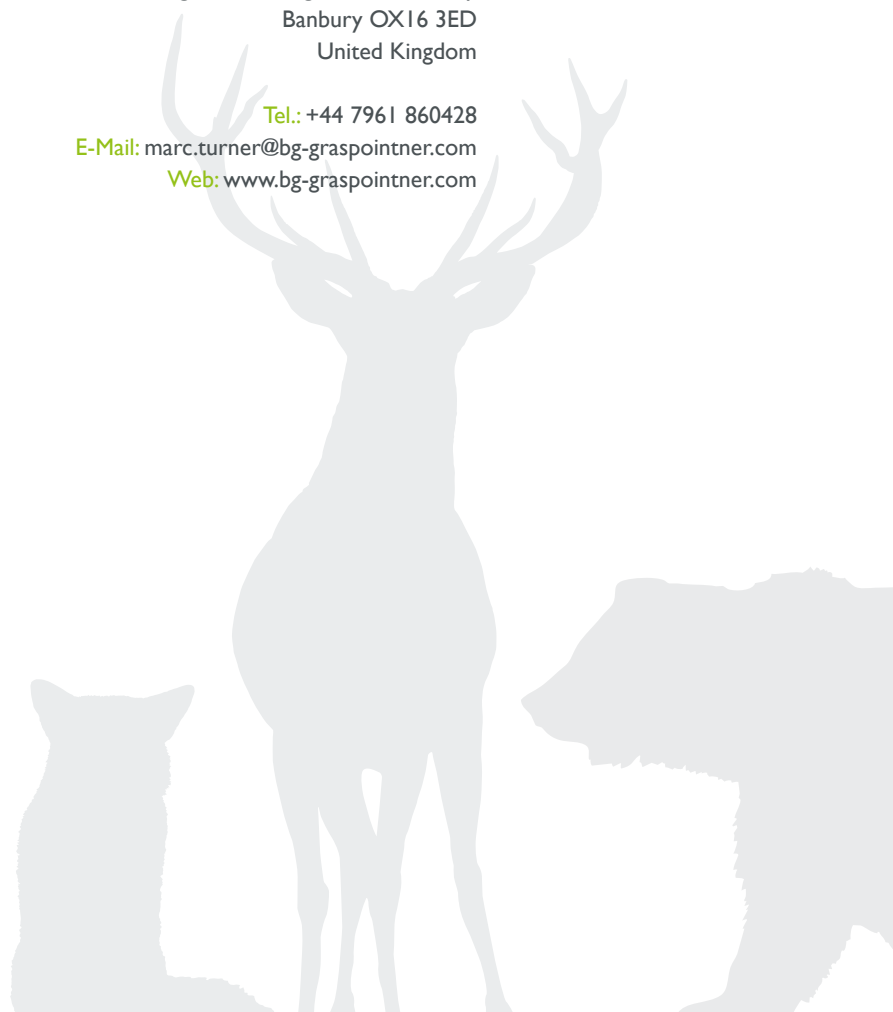
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