



GRASPOINTNER
Sustainable innovation.



District Riedenburg, Salzburg – Austria

Expertise for all your applications.

Product catalogue



[linkedin.com/company/
bg-graspointner](https://www.linkedin.com/company/bg-graspointner)



blog.bg-graspointner.com



» We're leading the way guided by the highest customer satisfaction. «

A successful company needs a strong identity to maintain stability. It shapes its everyday business and a positive development for the future. Our identity is based on two strong pillars:

Innovation with environmental awareness.

Since the founding of BG-Graspointner in 1963, our daily actions have been based on our determination to create even better products. Our innovative strength made it possible to develop products that are extremely powerful and environmentally friendly – a matter of heart that stems from our close connection with the beautiful nature of our home country Austria.



This is not just hot air, it's ingrained in our corporate culture. Take the outstanding environmental balance of our production processes or our environmentally friendly materials as an example.

Digitization with an impact.

When it comes to digitization, we don't just want to go with the flow, either. We're leading the way – guided by the highest customer satisfaction.

To us, this means that digitization is not an end in itself, it's a tool for offering our customers additional value: in the fields of service or communications.

The provision of BIM data for all our products, our **LinkedIn** – presence and our **BG-Blog** are only the first steps. By the way, our blog offers comprehensive and interesting reports and provides useful background information on the topic of drainage. Go ahead and take a look: **blog.bg-graspointner.com**

New products with particular strengths.

Our goal of constant improvement is also reflected in the latest member of our product family: FILCOTEN®one, channel and grating cast in one piece – with exceptional performance in many areas.

Are you curious? Then I would like to invite you to take a look at our catalog and learn more about FILCOTEN®one and many other innovative products in our portfolio.

Best regards,



Klemens R. Wiese
Group Managing Director

Cutting-edge technology knows no boundaries.



BG Production Sites:

Austria
Slovakia
Romania
Russia

BG Distribution Company:

Belgium
Canada
Czech Republic
Hungary
Poland
United Kingdom
United States of America

That is why we work for you around the clock, all over the world.

Success and quality get around – in our case all over the world. Our drainage systems, railway construction regulating components and traffic systems ensure dry, safe streets and efficient railway tracks on almost all continents. For this reason, you can purchase BG products in more than 30 countries. And since we like to be close to our customers, we have by now founded 11 subsidiaries.



BG Distribution Partner:			
Bosnia and Herzegovina	Germany	Luxemburg	Slovenia
Bulgaria	Greece	Macedonia	Spain
Croatia	India	Montenegro	Sweden
Denmark	Italy	Netherlands	Switzerland
Estonia	Kosovo	Norway	
Finland	Latvia	Portugal	
France	Lithuania	Serbia	



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Areas of use

Classification as per EN 1433

Load classes	Areas of use	Channel types
 A 15 Load class 15 kN	Traffic areas which are only used by pedestrians and cyclists and similar areas e.g. urban green and open spaces.	- FILCOTEN® light, yard drainage, parkline, tec 12 - 26 - BG standard channels 58 - 59 - BG-FA 76 - 83 - BG-TE / BG-TM 84 - 85
 B 125 Load class 125 kN	Sidewalks, pedestrian areas and comparable areas, car parks or car parking decks, garages, driveways.	- FILCOTEN® light, yard drainage, parkline, tec 12 - 26 - BG standard channels 58 - 59 - BG-OMEGA / BG-SIGMA 88 - 95
 C 250 Load class 250 kN	Applies only to tops / drainage channels in the curbstone-area, which may extend 0.5 m into the carriageway and 0.2 m into the sidewalk measured from the curbside, and for untraveled road verges.	- FILCOTEN® light 12 - 17 - FILCOTEN® parkline 20 - FILCOTEN® tec & pro 22 - 38 - FILCOTEN® green 40 - 41 - BG standard channels 58 - 59 - BG-OMEGA / BG-SIGMA 88 - 95
 D 400 Load class 400 kN	Carriageways of roads (including pedestrian zones), road verges, car parks and similar fortified thoroughfares.	- FILCOTEN® pro 28 - 38 - FILCOTEN® green 40 - 41 - FILCOTEN® one 50 - 55 - BGZ-S 60 - 63 - BG-GATIC 70 - 73
 E 600 Load class 600 kN	Private thoroughfares which are used by vehicles with heavy wheel loads, e.g. routes for industrial construction traffic.	- FILCOTEN® pro 28 - 38 - FILCOTEN® green 40 - 41 - FILCOTEN® one 50 - 55 - BGZ-S 60 - 63 - BG-SI / BG-SL 66 - BG-GATIC 70 - 73
 F 900 Load class 900 kN	Areas which are used by especially heavy wheel loads, e.g. air traffic areas of commercial air-ports.	- FILCOTEN® pro 28 - 38 - FILCOTEN® one 50 - 55 - BGZ-S 60 - 63 - BG-SI 66 - BG-GATIC 70 - 73



Shallow channels

	up to class C 250 kN			up to class E 600 kN						
Channel type:	FCT light mini 100	FCT light mini 150	FCT tec mini 100	FCT pro mini 100		FCT pro mini 150		FCT pro mini 200		FCT pro mini 300
Height:	55 mm	100 mm	80 mm	60 mm	80 mm	100 mm	120 mm	100 mm	120 mm	120 mm
Capacity (l/m)	3,5	8,0	4,0	2,3	4,0	8,3	11,3	11,0	14,9	19,5
Qmax (l/s)	0,3	1,9	0,7	0,2	0,5	0,9	2,3	1,5	2,2	1,5
Precipitation (l/s ha)	max. permissible surface (m ²)									
200	15	95	30	10	20	45	115	75	110	70
250	12	76	20	8	20	30	90	60	80	60
300	10	63	25	6	16	70	76	50	70	50
350	8	54	20	5	14	20	60	42	60	40
400	7	47	10	5	12	22	57	37	50	30

Steel channels

	BG-FA facade channels (walkable and wheelchair compliant)						up to class C 250 kN	
Channel type:	BG-FA RB 130		BG-FA RB 200		BG-FA RB 250		BG-OMEGA SW 16	BG-SIGMA NW 150
Height:	80 mm	180 mm	50 mm	90 mm	55 mm	90 mm	65 - 200 mm	55 mm
Capacity (l/m)	5,9	15,9	5,0	12,0	8,5	17,5	2,3 - 10,3	8,0
Qmax (l/s)	1,5	7,6	0,8	3,8	1,7	5,5	0,2 - 1,9	0,8
Precipitation (l/s ha)	max. permissible surface (m ²)							
200	75	380	40	190	80	270	10 - 95	40
250	60	304	32	152	60	220	8 - 76	32
300	50	253	26	126	50	180	6,6 - 63	26
350	42	217	22	108	40	150	5,7 - 54	22
400	37	190	20	95	40	130	5 - 47	20

COMMENT: This average calculation of shallow and steel channels is based on a line length of 10 metres and free runout for each channel type specified. In the BG-SIGMA channels results from the low height a very shallow water table, which allows only a small drainage capacity.

This is why BG-SIGMA are predominantly used as evaporation channels (capacity is crucial).
We will be pleased to draft an exact hydraulic calculation adapted to local conditions at any time.

Channels without edges

	up to class C 250 kN								
Channel type:	FCT light 100		FCT light 150	BG 100		BG 150		BG 200	
Height:	0	10-0	0	0	10-0	0	10-0	0	10-0
Capacity (l/m)	8,3	13,3	16,8	6,4	16,4	17,8	25,3	27,7	47,7
Qmax (l/s)	2,1	5,5	6,6	1,6	7,2	6,9	12,1	12,2	28,7
Precipitation (l/s ha)	max. permissible surface (m ²)								
200	100	270	330	80	360	340	600	610	1430
250	80	220	260	60	280	270	480	480	1140
300	70	180	220	50	240	230	400	400	950
350	60	150	180	40	200	190	340	340	820
400	50	130	160	40	180	170	300	300	710

COMMENT: This average calculation is based on a line length of 20 metres and free runout for each channel type specified. We will be pleased to draft an exact hydraulic calculation adapted to local conditions at any time.

FILCOTEN®-channels with edges

	up to class C 250 kN					up to class E 600 kN												
Channel type:	FCT tec 100		FCT tec 150	FCT tec 200	FCT pro 100			FCT pro 150			FCT pro 200			FCT pro 300			FCT pro 400	
Height:	0	10-0	0	H=195	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	25,1	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	8,4	11,1	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)	max. permissible surface (m²)																	
200	130	290	420	550	120	260	500	480	850	1270	1050	1670	2330	2470	3600	4820	7300	13450
250	100	230	330	440	100	210	400	380	680	1020	840	1330	1860	1970	2880	3860	5840	10760
300	80	190	280	370	80	170	330	320	570	850	700	1110	1550	1640	2400	3210	4860	8960
350	70	160	240	310	70	150	280	270	480	720	600	950	1330	1410	2060	2750	4170	7680
400	60	140	210	270	60	130	250	240	420	630	520	830	1160	1230	1800	2410	3650	6720

FILCOTEN® one

	up to class F 900 kN			
Channel type:	FCT one 150		FCT 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)	max. permissible surface (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

Heavy duty channels

	up to class F 900 kN												
Channel type:	BGZ-S SV 100			BGZ-S SV 150			BGZ-S SV 200			BGZ-S SV 300		BGZ-S 400	BGZ-S 500
Height:	0	10-0	20-0	0	10-0	20-0	0	10-0	20-0	0	BH=615	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	122,7	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	111,5	110,0	191,0
Precipitation (l/s ha)	max. permissible surface (m²)												
200	130	270	450	420	690	1010	910	1340	1820	2660	5570	5500	9550
250	100	220	360	330	550	800	720	1070	1460	2130	4460	4400	7640
300	90	180	300	280	460	670	600	890	1210	1770	3710	3660	6360
350	70	150	250	240	390	570	520	760	1040	1520	3180	3140	5450
400	60	130	220	210	340	500	450	670	910	1330	2780	2750	4770

COMMENT: This average calculation is based on a line length of 20 metres and free runout for each channel type specified.
We will be pleased to draft an exact hydraulic calculation adapted to local conditions at any time.

Sustainable
in every respect,
high-performance down to
the last fibre, or simply



FILCOTEN® HPC (High Performance Concrete) is a material that combines excellent technical properties with sustainability. The optimized high-density microstructure of the HPC allows the construction of drainage channels in lightweight design with the same stability and load class as conventional concrete systems. Raw material savings, 100% recyclability¹⁾ and its certified non-toxicity²⁾ make FILCOTEN® unique in terms of its environmental friendliness.

Load class A15 – F900



GRASPOINTNER
Sustainable innovation.

¹⁾ Quality class UA (certified by the experimental and research Institute for construction Salzburg).

²⁾ Meets the strict criteria of the Institute for Building Biology Rosenheim (IBR).

³⁾ No use of synthetic resins.



The following features distinguish FILCOTEN® HPC stand out:

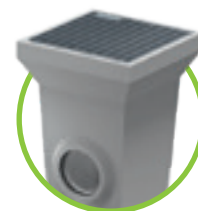
- Mineral raw materials
- High strength and frost resistance
- Fire protection class A1
- Verified life cycle assessment (LCA) according to ISO 14040 & ISO 14044 or EN1433
- UV resistance
- Production with 100% green electricity
- Strong bond and adhesion with the concrete bed
- Low water absorption and penetration
- Free from: VOCs, Styrene and BTEX, heavy metals, radioactivity



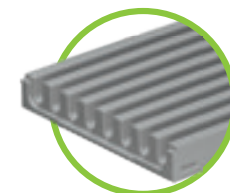
Technical data: www.bg-graspointner.com/FILCOTEN



FILCOTEN® light
up to class C | page 12-17



FILCOTEN® yard drainage
up to class B | page 18



FILCOTEN® parkline
up to class C | page 20



FILCOTEN® tec
up to class C | page 22-27



FILCOTEN® pro
up to class E or F | page 28-38



FILCOTEN® green
up to class E | page 40-41

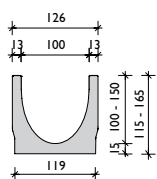


FILCOTEN® one
up to class F | page 50-55



FILCOTEN[®] light

up to class C250

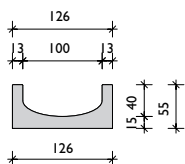


FILCOTEN[®] light, nominal width 100

Channel made of FILCOTEN HPC (High Performance Concrete) up to class C

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
10311000	FILCOTEN light NW 100, no. 0	0,0 %	10,7 kg	30
10311050	FILCOTEN light NW 100, no. 0, L = 500 mm	0,0 %	5,4 kg	24
10311061	FILCOTEN light NW 100, no. 5-0	0,0 %	13,4 kg	24
10311051	FILCOTEN light NW 100, no. 5-0, L = 500 mm, for drilling ²⁾	0,0 %	8,7 kg	24
10311062	FILCOTEN light NW 100, no. 10-0	0,0 %	16,0 kg	24
30000	Additional charge for channels with outlet DN 100			
10311001-10	FILCOTEN light NW 100, no. 1 up to no. 10	0,5 %	11,1 - 15,5 kg	24

²⁾ for side and/or bottom drilling - see picture below
Additional charge for drilling = Additional charge for channels with outlet



FILCOTEN[®] light mini, nominal width 100

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	FILCOTEN light mini NW 100, H = 55 mm	0,0 %	7,7 kg	70
30000	Additional charge for channels with outlet DN 100			

Channel body for side and/or bottom drilling

The position of bottom drilling and/or sided drilling (left / right) can be selected. Different diameters depending on the nominal width:

max. sided drilling diameter	
NW 100	ø 86 mm
NW 150	ø 130 mm
NW 200	ø 180 mm

T or + pieces can be produced easily and quickly.



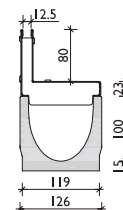
For questions, please contact our application engineering department.

Gratings and accessories

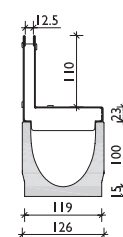
for FILCOTEN® light and light mini, nominal width 100

Item no.	Gratings	Load class	Weight	Pc./pallet
I70I0200	light slotted grating 1000/124/2, SW 8/80	A 15 kN	1,6 kg	240
I70I0201	light slotted grating 500/124/2, SW 8/80	A 15 kN	0,8 kg	48
I70I0300	light slotted grating 1000/124/2, SW 8/80, stainless steel ¹⁾	A 15 kN	1,6 kg	240
I70I0301	light slotted grating 500/124/2, SW 8/80, stainless steel ¹⁾	A 15 kN	0,8 kg	48
I70I0210	light mesh grating 1000/124/2, MW 30/10	B 125 kN	2,6 kg	180
I70I0211	light mesh grating 500/124/2, MW 30/10	B 125 kN	1,3 kg	48
I70I0310	light mesh grating 1000/124/2, MW 30/10, stainless steel ¹⁾	B 125 kN	2,6 kg	180
I70I0311	light mesh grating 500/124/2, MW 30/10, stainless steel ¹⁾	B 125 kN	1,3 kg	48
I70I0100	light ductile iron mesh grating 500/124/5, MW 15/25	C 250 kN	2,6 kg	240
I70I0150	light ductile iron mesh grating 500/124/5, MW 15/25, KTL-coated	C 250 kN	2,6 kg	240
Item no.	FILCOTEN slot tops V asymmetric incl. accessories	Load class	Weight	Pc./pallet
I71I0237	Slot top V NW 100, 1000/123/103, SH 80, SW 12,5 mm	B 125 kN	4,4 kg	48
I71I0238	Slot top V NW 100, 500/123/103, SH 80, SW 12,5 mm	B 125 kN	2,2 kg	24
I71I0297	Maintenance unit V NW 100, 500/123/103, SH 80, SW 12,5 mm	B 125 kN	4,1 kg	24
I71I0243	Slot top V NW 100, 1000/123/133, SH 110, SW 12,5 mm	C 250 kN	5,4 kg	36
I71I0244	Slot top V NW 100, 500/123/133, SH 110, SW 12,5 mm	C 250 kN	2,7 kg	24
I71I0281	Maintenance unit V NW 100, 500/123/133, SH 110, SW 12,5 mm	C 250 kN	5,0 kg	24
I71I1204	Slot top 2S, Heelproof V NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250 kN	5,8 kg	36
I71I1205	Slot top 2S, Heelproof V NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250 kN	3,0 kg	24
I71I1206	Maintenance unit 2S, Heelproof V NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250 kN	5,3 kg	24
I71I0280	Front cap V NW 100, variable height 80 - 200 mm, fitting both slot tops		0,1 kg	
37961	Construction time barrier for slot top SW12,5 mm, L = 1000 mm, wood		0,1 kg	
37962	Construction time barrier for slot top SW2x6 mm, L = 1000 mm, wood		0,1 kg	
I3399	Opening tool for maintenance unit cover - 2 pcs. required, plastic		0,1 kg	
Item no.	FILCOTEN slot tops E asymmetric incl. accessories	Load class	Weight	Pc./pallet
I71I0337	Slot top E NW 100, 1000/123/103, SH 80, SW 12,5 mm	B 125 kN	4,4 kg	48
I71I0338	Slot top E NW 100, 500/123/103, SH 80, SW 12,5 mm	B 125 kN	2,2 kg	24
I71I0397	Maintenance unit E NW 100, 500/123/103, SH 80, SW 12,5 mm	B 125 kN	4,1 kg	24
I71I0343	Slot top E NW 100, 1000/123/133, SH 110, SW 12,5 mm	C 250 kN	5,4 kg	36
I71I0344	Slot top E NW 100, 500/123/133, SH 110, SW 12,5 mm	C 250 kN	2,7 kg	24
I71I0381	Maintenance unit E NW 100, 500/123/133, SH 110, SW 12,5 mm	C 250 kN	5,0 kg	24
I71I1304	Slot top 2S, Heelproof E NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250 kN	5,8 kg	36
I71I1305	Slot top 2S, Heelproof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250 kN	3,0 kg	24
I71I1306	Maintenance unit 2S, Heelproof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250 kN	5,3 kg	24
I71I0380	Front cap E NW 100, variable height 80 - 200 mm, fitting both slot tops		0,1 kg	
37961	Construction time barrier for slot top SW12,5 mm, L = 1000 mm, wood		0,1 kg	
37962	Construction time barrier for slot top SW 2x6 mm, L = 1000 mm, wood		0,1 kg	
I3399	Opening tool for maintenance unit cover - 2 pcs. required, plastic		0,1 kg	
Item no.	Accessories	Material	Weight	Pc./pallet
I03I0093	light sump unit 500/140/500 with pipe coupling DN 100	FILCOTEN	24,9 kg	10
22515	BG sediment bucket for sump unit	plastic	0,2 kg	
30056	BG drain trap for sump unit for backfitting DN 100	plastic	0,2 kg	
30019	BG drain trap for bottom outlet DN 100	plastic	0,2 kg	
I90I0230	light front-/end cap	galvanised steel	0,3 kg	
I90I0232	light end cap with outlet DN 100	galvanised steel	0,4 kg	
I90I0330	light front-/end cap ¹⁾	stainless steel	0,3 kg	
I90I0332	light end cap with outlet DN 100 ¹⁾	stainless steel	0,4 kg	
I90I0200	light mini front-/end cap	galvanised steel	0,1 kg	
I90I0300	light mini front-/end cap ¹⁾	stainless steel	0,1 kg	
I90I0902	light installation chairs - set incl. bolts - requirement: number of channels + 1	galvanised steel	0,6 kg	50
32080	light interlocking clip for mesh grating	galvanised steel	0,1 kg	
32067	light interlocking clip for ductile iron mesh gratings	black coated	0,1 kg	
32068	light interlocking bracket (bolted) for ductile iron mesh gratings	black coated	0,1 kg	

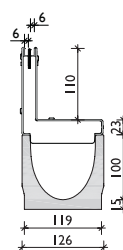
¹⁾ Delivery time on request



Slot top
SW 12,5 cl. B



Slot top
SW 12,5 cl. C



Slot top 2S, Heelproof
SW 2x6, cl. C

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



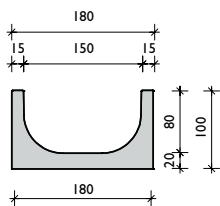
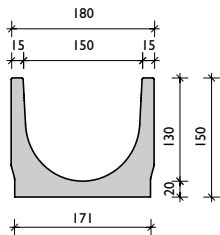
The retaining spring in the ductile iron mesh grating ensures
a secure hold of the grate in the channel body.



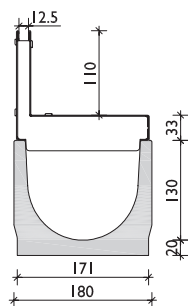


FILCOTEN[®] light

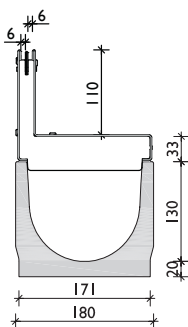
up to class C250



New



Slot top
SW 12,5 cl. C



Slot top 2S, Heelproof
SW 2x6, cl. C

FILCOTEN[®] light, nominal width 150

Channel made of FILCOTEN HPC (High Performance Concrete) up to class C

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
10315000	FILCOTEN light NW 150, no. 0	0,0 %	19,7 kg	20
10315050	FILCOTEN light NW 150, no. 0, L = 500 mm	0,0 %	9,9 kg	16
30001	Additional charge for channels with outlet DN 150			

FILCOTEN[®] light mini, nominal width 150

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	FILCOTEN light mini NW 150, H = 100 mm	0,0 %	16,8 kg	32
30001	Additional charge for channels with outlet DN 150			

Gratings and accessories

for FILCOTEN[®] light and light mini, nominal width 150

Item no.	Gratings	Load class	Weight	Pc./pallet
17015200	light slotted grating 1000/178/3, SW 8/130	A 15 kN	2,9 kg	128
17015201	light slotted grating 500/178/3, SW 8/130	A 15 kN	1,5 kg	48
17015210	light mesh grating 1000/178/2, MW 30/10	B 125 kN	4,6 kg	100
17015211	light mesh grating 500/178/2, MW 30/10	B 125 kN	2,3 kg	48
17015100	light ductile iron mesh grating 500/178/7, MW 15/28	C 250 kN	4,6 kg	200

Item no.	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 kN	6,7 kg	24
17115244	Slot top V NW 150, 500/173/143, SH 110, SW 12,5 mm	C 250 kN	3,3 kg	16
17115281	Maintenance unit V NW 150, 500/173/143, SH 110, SW 12,5 mm	C 250 kN	6,0 kg	16
17116204	Slot top 2S, Heelproof V NW 150, 1000/173/143, SH 110, SW 2x6 mm	C 250 kN	6,4 kg	24
17116205	Slot top 2S, Heelproof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250 kN	3,7 kg	16
17116206	Maintenance unit 2S, Heelproof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250 kN	6,8 kg	16
17110280	Front cap V NW 150, variable height 80 - 200 mm, fitting both slot tops		0,1 kg	
37961	Construction time barrier for slot top SW12,5 mm, L = 1000 mm, wood		0,1 kg	
37962	Construction time barrier for slot top SW2x6 mm, L = 1000 mm, wood		0,1 kg	
13399	Opening tool for maintenance unit cover - 2 pcs. required, plastic		0,1 kg	

New

Item no.	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 kN	6,7 kg	24
17115344	Slot top E NW 150, 500/173/143, SH 110, SW 12,5 mm	C 250 kN	3,3 kg	16
17115381	Maintenance unit E NW 150, 500/173/143, SH 110, SW 12,5 mm	C 250 kN	6,0 kg	16
17116304	Slot top 2S, Heelproof E NW 150, 1000/173/143, SH 110, SW 2x6 mm ¹⁾	C 250 kN	6,4 kg	24
17116305	Slot top 2S, Heelproof E NW 150, 500/173/143, SH 110, SW 2x6 mm ¹⁾	C 250 kN	3,7 kg	16
17116306	Maintenance unit 2S, Heelproof E NW 150, 500/173/143, SH 110, SW 2x6 mm ¹⁾	C 250 kN	6,8 kg	16
17110380	Front cap E NW 150, variable height 80 - 200 mm, fitting both slot tops		0,1 kg	
37961	Construction time barrier for slot top SW12,5 mm, L = 1000 mm, wood		0,1 kg	
37962	Construction time barrier for slot top SW2x6 mm, L = 1000 mm, wood		0,1 kg	
13399	Opening tool for maintenance unit cover - 2 pcs. required, plastic		0,1 kg	

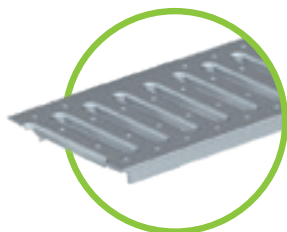
Item no.	Accessories	Material	Weight	Pc./pallet
10315091	light sump unit 500/195/650 with pipe coupling DN 150	FILCOTEN	45 kg	8
22516	BG sediment bucket for sump unit	plastic	0,3 kg	
30030	BG odour trap made of PVC bends DN 150/87°	plastic	3,9 kg	
30057	BG odour trap for sump unit for backfitting DN 150	plastic	0,2 kg	
19015230	light front-/end cap	galvanised steel	0,5 kg	
19015232	light end cap with outlet DN 100	galvanised steel	0,4 kg	
19015330	light front-/end cap ¹⁾	stainless steel	0,5 kg	
19015332	light end cap with outlet DN 100 ¹⁾	stainless steel	0,4 kg	
19015200	light mini front-/end cap	galvanised steel	0,3 kg	
19015300	light mini front-/end cap ¹⁾	stainless steel	0,3 kg	
19020902	light installation chairs - set incl. bolts - requirement: number of channels + 1	galvanised steel	0,8 kg	30
32080	light interlocking clip for mesh gratings	galvanised steel	0,1 kg	
32067	light interlocking clip for ductile iron mesh gratings	black coated	0,1 kg	
32068	light interlocking bracket (bolted) for ductile iron mesh gratings	black coated	0,1 kg	

¹⁾ Delivery time on request

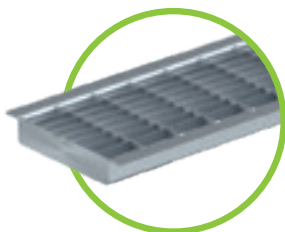


Slot tops symmetric, for load class D 400 or special parts on request. Installation guidelines at www.bg-graspointner.com

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



Slotted grating **NW 100** SW 8/80, cl. A, galvanised or stainless steel
Slotted grating **NW 150** SW 8/130, cl. A, galvanised steel



Mesh grating MW 30/10 cl. B, **NW 100** galvanised or stainless steel
NW 150 only galvanised steel



Ductile iron mesh grating, cl. C
MW 15/25 **for NW 100**
MW 15/28 **for NW 150**



Slot top SW 12,5 mm, cl. B **for NW 100** - galvanised or stainless steel, cl. C **for NW 100 and 150** - galvanised or stainless steel



Slot top 2S, Heelproof SW 2x6 mm, cl. C, galvanised or stainless steel **for NW 100 and 150**

FILCOTEN® slot tops

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

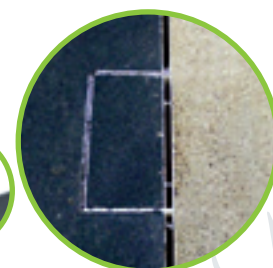
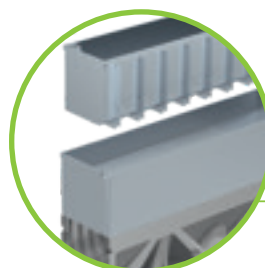
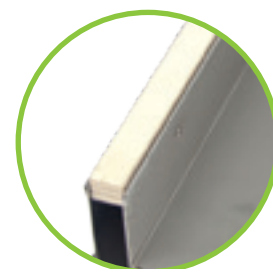
The narrow slot width of 12,5 means that they can be perfectly fitted into the alignment of slots on the surface.

New: Slot top Heelproof with double slot SW 2x6 mm.

During the entire period of construction, the construction time barrier should remain in the slot top as this prevents deformation or contamination of the system.

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

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



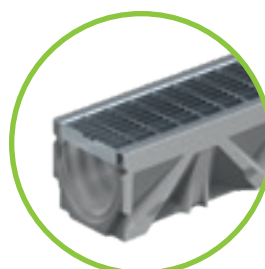
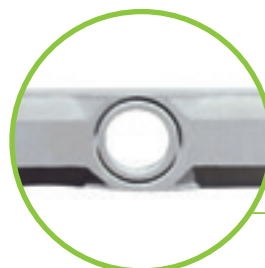
In-/Outlet cross-section

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

The reason:

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

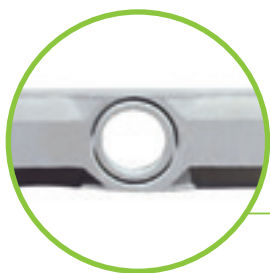
The amount of draining water is limited by the drain pipe and not by the inlet cross sections of the grates.





FILCOTEN® light

Accessories



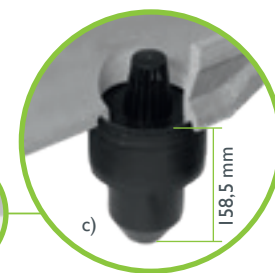
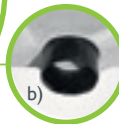
Prefabricated outlet opening
DN 100 (NW 100) or
DN 150 (NW 150)



Bottom outlet made of PVC
sewer pipes - on site installation



a) Odour trap for bottom outlet
consisting of 3 parts
b) Outlet pipe of foul-air trap is
inserted into outlet opening
from below before installation.



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



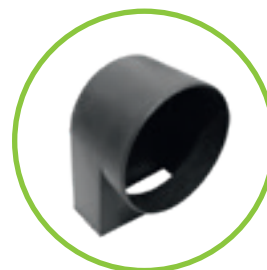
Positioning of outlet opening: channel end to outlet centre = 250 mm



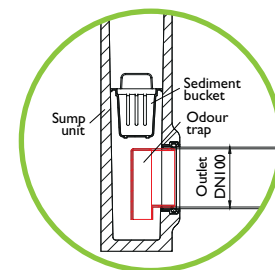
FILCOTEN® light sump unit
L=500 mm, to fit NW



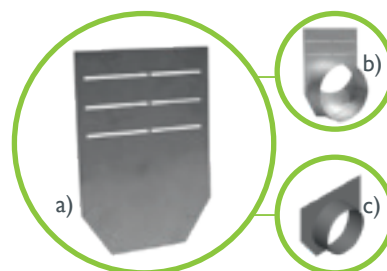
Sediment bucket made of plastic
for sump unit to fit NW -
acts as a dirt trap



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



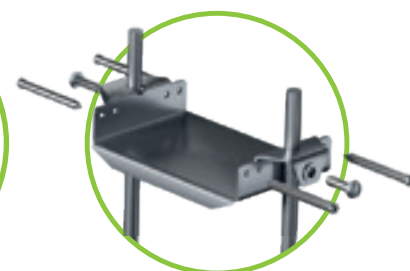
Odour trap made of PVC bends
suitable for sump units
with outlets DN 150



a) Front- /end cap NW 100 / 150
b) End cap with outlet NW 100
c) End cap with outlet NW 150



Front- /end cap
FILCOTEN® light mini



Installation chairs
made of galvanised steel,
to fit NW



Adjustment of the mesh gratings
with interlocking clip



Interlocking clip for ductile
iron mesh gratings



Interlocking clip for
mesh gratings



Interlocking bracket
(bolted) for ductile
iron mesh gratings

References





FILCOTEN®

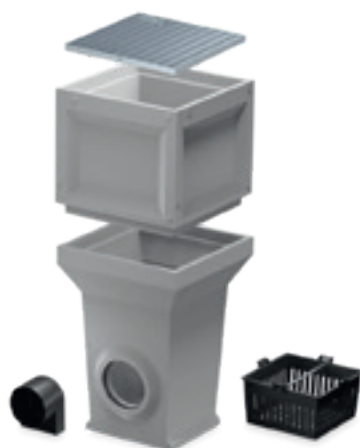
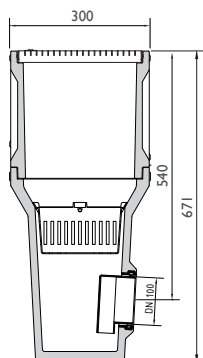
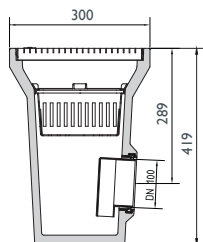
Yard drainage

up to class B125

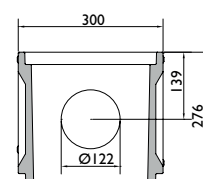
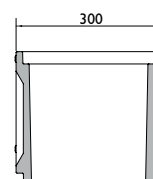
FILCOTEN® Yard drainage

Point drainage made of FILCOTEN HPC (High Performance Concrete) - car accessible

Item no.	Yard drainage / class A 15 - car accessible	L/W/H	Weight	Pc./pallet
14130001	FILCOTEN yard drainage incl. mesh grating (galvanised steel) with fiX self-locking system, MW 25/12,5 mm, incl. sediment bucket and drain trap	300/300/419	21,5 kg	16
14130020	FILCOTEN yard-gully extension-element	300/300/276	12,3 kg	18
14130023	FILCOTEN yard-gully extension-element incl. drilling DN100	300/300/276	11,4 kg	18



Yard drainage with mesh grating (car accessible)
incl. sediment bucket and drain trap, extension-element optional

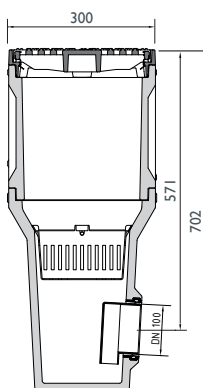
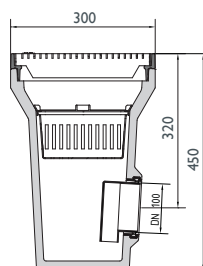


Extension elements with or without outlet DN100

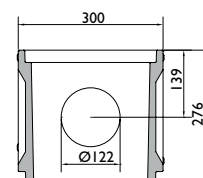
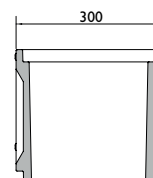
FILCOTEN® Yard drainage

Point drainage made of FILCOTEN HPC (High Performance Concrete) incl. cast iron frame - up to cl. B 125

Item no.	Yard drainage incl. cast iron frame / class A 15 - B 125	L/W/H	Weight	Pc./pallet
14130101	FILCOTEN yard drainage incl. cast iron frame, mesh grating (galvanised steel) with fiX self-locking system, MW 25/12,5 mm, incl. sediment bucket and drain trap	300/300/450	24,8 kg	16
14130102	FILCOTEN yard drainage incl. cast iron frame, ductile iron grating with fiX self-locking system, radial design, incl. sediment bucket and drain trap	300/300/450	26,7 kg	16
14130020	FILCOTEN yard-gully extension-element	300/300/276	12,3 kg	18
14130023	FILCOTEN yard-gully extension-element, incl. drilling DN100	300/300/276	11,4 kg	18

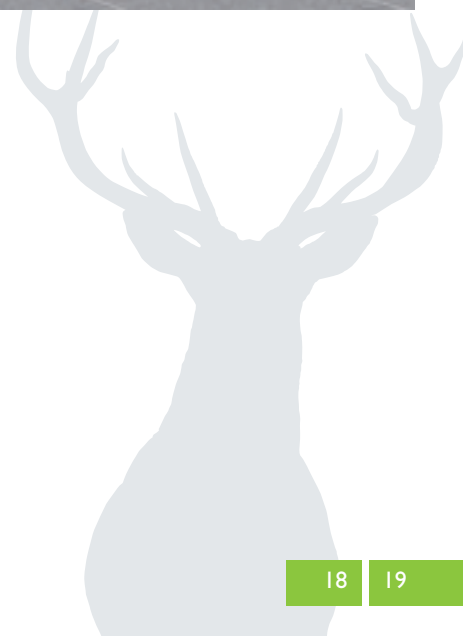


Yard drainage incl. cast iron frame
with mesh grating or ductile iron grating up to cl. B
incl. sediment bucket and drain trap,
extension-element optional



Extension elements with or without outlet DN100
cast iron frame can be transposed

References





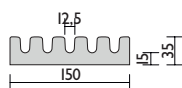
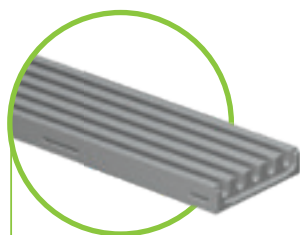
FILCOTEN® parkline

up to class C250

FILCOTEN® parkline, nominal width 150 - height 35 mm

Channel made of FILCOTEN HPC (High Performance Concrete) up to class C, capacity: 1,1 l/m

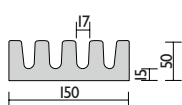
Item no.	Channel body	Slope	Weight	Pc./pallet
12515005	FILCOTEN parkline 150, H = 35 mm, SW 12,5 mm	0,0 %	9,2 kg	80
12515075	FILCOTEN parkline 151, H = 35 mm, SW 12,5 mm, with outlet	0,0 %	8,9 kg	80
Item no.	Accessories	Material	Weight	Pc./pallet
12515084	Cross corner element, 150/150/35 mm, H = 35 mm, SW 12,5 mm	FILCOTEN	1,34 kg	
12515383	Drain cover, double bridge	stainl. steel	0,06 kg	
12515385	Front-/end cap	stainl. steel	0,02 kg	
12515296	Installation chairs - set incl. bolts - requirement: number of channels+ 1	galvan. steel	0,64 kg	30
12515291	Construction time barrier, 1000/150/14 mm	galvan. steel	1,50 kg	
12515392	Cleaning rake (without handle)	stainl. steel	0,25 kg	



FILCOTEN® parkline, nominal width 150 - height 50 mm

Channel made of FILCOTEN HPC (High Performance Concrete) up to class C, capacity: 2,0 l/m

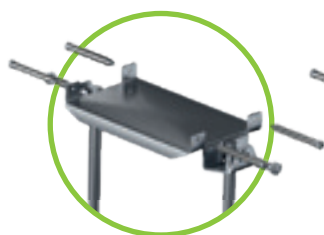
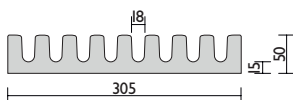
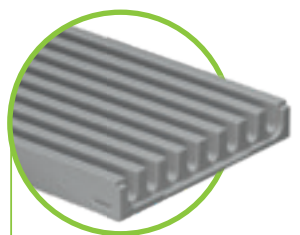
Item no.	Channel body	Slope	Weight	Pc./pallet
12515001	FILCOTEN parkline 150, H = 50 mm, SW 17 mm	0,0 %	11,9 kg	60
12515071	FILCOTEN parkline 151, H = 50 mm, SW 17 mm, with outlet	0,0 %	11,6 kg	60
Item no.	Accessories	Material	Weight	Pc./pallet
12515081	Cross corner element, 150/150/50 mm, H = 50 mm, SW 17 mm	FILCOTEN	1,80 kg	
12515384	Drain cover	stainl. steel	0,04 kg	
12515386	Front-/end cap	stainl. steel	0,04 kg	
12515296	Installation chairs - set incl. bolts - requirement: number of channels+ 1	galvan. steel	0,64 kg	30
12515292	Construction time barrier, 1000/150/14 mm	galvan. steel	1,28 kg	
12515391	Cleaning rake (without handle)	stainl. steel	0,22 kg	



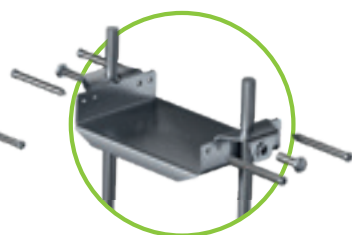
FILCOTEN® parkline, nominal width 300 - height 50 mm

Channel made of FILCOTEN HPC (High Performance Concrete) up to class C, capacity: 4,5 l/m

Item no.	Channel body	Slope	Weight	Pc./pallet
12530000	FILCOTEN parkline 300, H = 50 mm, SW 18 mm	0,0 %	25,3 kg	30
12530070	FILCOTEN parkline 301, H = 50 mm, SW 18 mm, with outlet	0,0 %	25,0 kg	30
Item no.	Accessories	Material	Weight	Pc./pallet
12530080	Cross corner element, 300/300/50 mm, H = 50 mm, SW 18 mm	FILCOTEN	7,60 kg	
12515381	Drain cover	stainl. steel	0,05 kg	
12530386	Front-/end cap	stainl. steel	0,09 kg	
19030902	Installation chairs - set incl. bolts - requirement: number of channels+ 1	galvan. steel	1,10 kg	20
12530291	Construction time barrier, 1000/300/20 mm	galvan. steel	2,80 kg	
12530390	Cleaning rake (without handle)	stainl. steel	0,50 kg	



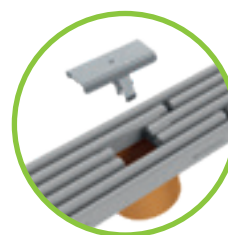
Installation chairs for
FILCOTEN parkline
NW 150, H = 35 mm and
NW 150, H = 50 mm
made of galvanised steel



Installation chairs for
FILCOTEN parkline
NW 300, H = 50 mm
made of galvanised steel



Cross corner element
made of FILCOTEN
for easy construction
of crossings

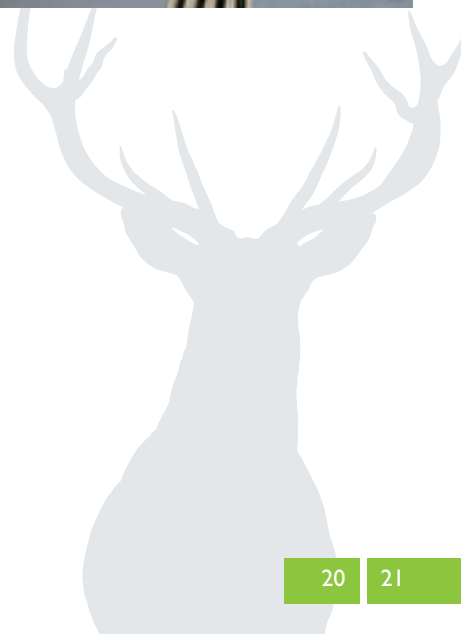
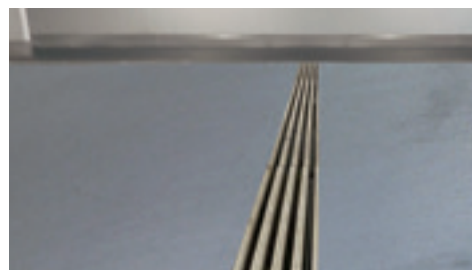


Drain cover
made of
stainless steel



Construction time barrier
to fit nominal width
made of galvanised steel

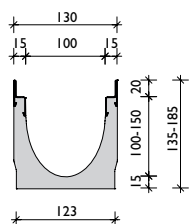
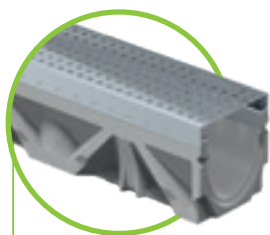
References





FILCOTEN[®] tec

up to class C250



incl. galvanised- or stainless steel edges

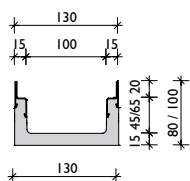
FILCOTEN[®] tec incl. steel edges, nominal width 100

Channel made of FILCOTEN HPC (High Performance Concrete) with integrated galvanised or stainless steel edges up to class C

Item no.	Channel body with galvanised steel edges and safety joint	Slope	Weight	Pc./pallet
10410200	FILCOTEN tec V NW 100, no. 0	0,0 %	13,0 kg	30
10410250	FILCOTEN tec V NW 100, no. 0, L = 500 mm	0,0 %	6,6 kg	24
10410261	FILCOTEN tec V NW 100, no. 5-0	0,0 %	16,1 kg	24
10410251	FILCOTEN tec V NW 100, no. 5-0, L = 500 mm, for drilling ²⁾	0,0 %	9,4 kg	24
10410262	FILCOTEN tec V NW 100, no. 10-0	0,0 %	18,7 kg	24
30000	Additional charge for channels with outlet DN 100			
10410201-10	FILCOTEN tec V NW 100, no. 1 to no. 10	0,5 %	13,4 - 18,5 kg	24
Item no.	Channel body with stainless steel edges and safety joint	Slope	Weight	Pc./pallet
10410300	FILCOTEN tec E NW 100, no. 0 ¹⁾	0,0 %	13,0 kg	30
10410350	FILCOTEN tec E NW 100, no. 0, L = 500 mm ¹⁾	0,0 %	6,6 kg	24
10410361	FILCOTEN tec E NW 100, no. 5-0 ¹⁾	0,0 %	16,1 kg	24
10410351	FILCOTEN tec E NW 100, no. 5-0, L = 500 mm, for drilling ¹⁺²⁾	0,0 %	9,4 kg	24
10410362	FILCOTEN tec E NW 100, no. 10-0 ¹⁾	0,0 %	18,7 kg	24
30000	Additional charge for channels with outlet DN 100			
10410301-10	FILCOTEN tec E NW 100, no. 1 to no. 10 ¹⁾	0,5 %	13,4 - 18,5 kg	24

¹⁾ Delivery time on request

²⁾ for side and/or bottom drilling - see picture on page 12
Additional charge for drilling = Additional charge for channels with outlet



incl. galvanised- or stainless steel edges

FILCOTEN[®] tec mini incl. steel edges, nominal width 100

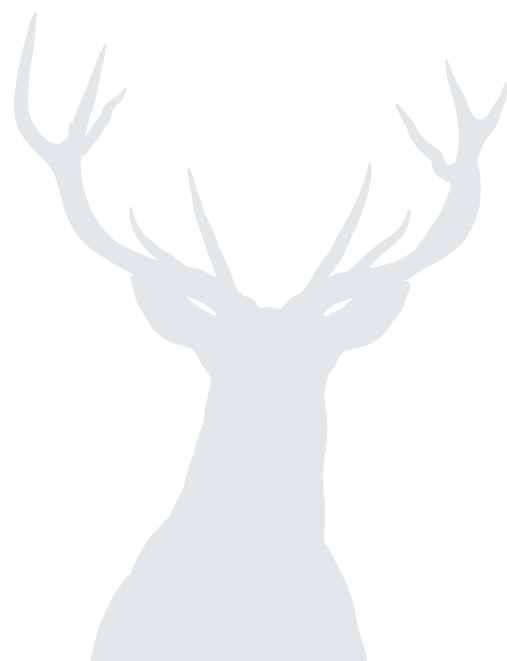
Channel made of FILCOTEN HPC (High Performance Concrete) with integrated galvanised or stainless steel edges up to class C - very low construction height

New

Item no.	Channel body with galvanised steel edges and safety joint	Slope	Weight	Pc./pallet
10210201	FILCOTEN tec V mini NW 100, H = 80 mm	0,0 %	9,1 kg	48
10210202	FILCOTEN tec V mini NW 100, H = 100 mm	0,0 %	10,5 kg	42
30000	Additional charge for channels with outlet DN 100			
Item no.	Channel body with stainless steel edges and safety joint	Slope	Weight	Pc./pallet
10210301	FILCOTEN tec E mini NW 100, H = 80 mm ¹⁾	0,0 %	9,1 kg	48
10210302	FILCOTEN tec E mini NW 100, H = 100 mm ¹⁾	0,0 %	10,5 kg	42
30000	Additional charge for channels with outlet DN 100			

New

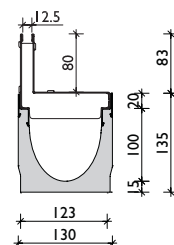
¹⁾ Delivery time on request



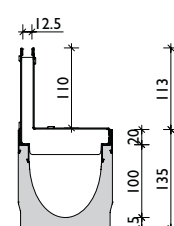
Gratings and accessories

for FILCOTEN® tec and tec mini with galvanised or stainless steel edges, nominal width 100

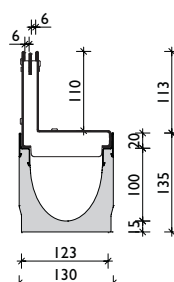
Item no.	Gratings with fiX self-locking system (not boltable)	Load class	Weight	Pc./pallet
17010202	tec slotted grating 1000/122/20, SW 8/80 ³⁾	A 15 kN	1,5 kg	120
17010203	tec slotted grating 500/122/20, SW 8/80 ³⁾	A 15 kN	0,8 kg	48
17010302	tec slotted grating 1000/122/20, SW 8/80, stainless steel ¹⁺³⁾	A 15 kN	1,5 kg	120
17010303	tec slotted grating 500/122/20, SW 8/80, stainless steel ¹⁺³⁾	A 15 kN	0,8 kg	48
17010206	tec slotted grating 1000/122/20, SW 8/80 ¹⁺³⁾	C 250 kN	4,5 kg	60
17010207	tec slotted grating 500/122/20, SW 8/80 ¹⁺³⁾	C 250 kN	2,2 kg	48
17010306	tec slotted grating 1000/122/20, SW 8/80, stainless steel ¹⁺³⁾	C 250 kN	4,5 kg	60
17010307	tec slotted grating 500/122/20, SW 8/80, stainless steel ¹⁺³⁾	C 250 kN	2,2 kg	48
17010204	tec perforated grating 1000/122/20, Ø 6,0 mm	A 15 kN	1,9 kg	120
17010205	tec perforated grating 500/122/20, Ø 6,0 mm	A 15 kN	1,0 kg	48
17010304	tec perforated grating 1000/122/20, Ø 6,0 mm, stainless steel ¹⁾	A 15 kN	1,9 kg	120
17010305	tec perforated grating 500/122/20, Ø 6,0 mm, stainless steel ¹⁾	A 15 kN	1,0 kg	48
17010228	tec perforated grating 1000/122/20, Ø 6,0 mm ¹⁾	C 250 kN	3,3 kg	120
17010229	tec perforated grating 500/122/20, Ø 6,0 mm ¹⁾	C 250 kN	1,7 kg	48
17010328	tec perforated grating 1000/122/20, Ø 6,0 mm, stainless steel ¹⁾	C 250 kN	3,3 kg	120
17010329	tec perforated grating 500/122/20, Ø 6,0 mm, stainless steel ¹⁾	C 250 kN	1,7 kg	48
17010220	tec mesh grating 1000/122/20, MW 30/10	B 125 kN	2,8 kg	120
17010221	tec mesh grating 500/122/20, MW 30/10	B 125 kN	1,4 kg	48
17010222	tec mesh grating 1000/122/20, MW 30/10	C 250 kN	3,3 kg	120
17010223	tec mesh grating 500/122/20, MW 30/10	C 250 kN	1,6 kg	48
17010322	tec mesh grating 1000/122/20, MW 30/10, stainless steel ¹⁾	C 250 kN	3,3 kg	120
17010323	tec mesh grating 500/122/20, MW 30/10, stainless steel ¹⁾	C 250 kN	1,6 kg	48
17010401	tec COMBee design grating 500/123/20, Ø 7,3 mm, plastic PA6 ³⁾	B 125 kN	0,9 kg	160
17010402	tec COMBee design grating 500/123/20, Ø 7,3 mm, plastic PA6 ³⁾	C 250 kN	1,1 kg	160
17010111	tec ductile iron slotted grating 500/122/20, SW 10/100	B 125 kN	2,6 kg	240
17010101	tec ductile iron elongated bar grating 500/122/20, MW 29/13	C 250 kN	3,2 kg	240
17010106	tec ductile iron elongated bar grating 500/122/20, MW 29/6, narrow SW	C 250 kN	3,6 kg	240
	tec design gratings - different designs ¹⁺³⁾			
32087	tec anti-vandalism locking device NW 100 2 pcs. required per grating	stainl. steel	0,1 kg	
Item no.	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 kN	4,4 kg	48
17110238	Slot top V NW 100, 500/123/103, SH 80, SW 12,5 mm	B 125 kN	2,2 kg	24
17110297	Maintenance unit V NW 100, 500/123/103, SH 80, SW 12,5 mm	B 125 kN	4,1 kg	24
17110243	Slot top V NW 100, 1000/123/133, SH 110, SW 12,5 mm	C 250 kN	5,4 kg	36
17110244	Slot top V NW 100, 500/123/133, SH 110, SW 12,5 mm	C 250 kN	2,7 kg	24
17110281	Maintenance unit V NW 100, 500/123/133, SH 110, SW 12,5 mm	C 250 kN	5,0 kg	24
17111204	Slot top 2S, Heelproof V NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250 kN	5,8 kg	36
17111205	Slot top 2S, Heelproof V NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250 kN	3,0 kg	24
17111206	Maintenance unit 2S, Heelproof V NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250 kN	5,3 kg	24
17110280	Front cap V NW 100, variable height 80 - 200 mm, fitting both slot tops		0,1 kg	
37961	Construction time barrier for slot top SW12,5 mm, L = 1000 mm, wood		0,1 kg	
37962	Construction time barrier for slot top SW2x6 mm, L = 1000 mm, wood		0,1 kg	
13399	Opening tool for maintenance unit cover - 2 pcs. required, plastic		0,1 kg	
Item no.	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 kN	5,4 kg	36
17110344	Slot top E NW 100, 500/123/133, SH 110, SW 12,5 mm	C 250 kN	2,7 kg	24
17110381	Maintenance unit E NW 100, 500/123/133, SH 110, SW 12,5 mm	C 250 kN	5,0 kg	24
17111304	Slot top 2S, Heelproof E NW 100, 1000/123/133, SH 110, SW 2x6 mm	C 250 kN	5,8 kg	36
17111305	Slot top 2S, Heelproof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250 kN	3,0 kg	24
17111306	Maintenance unit 2S, Heelproof E NW 100, 500/123/133, SH 110, SW 2x6 mm	C 250 kN	5,3 kg	24
17110380	Front cap E NW 100, variable height 80 - 200 mm, fitting both slot tops		0,1 kg	
37961	Construction time barrier for slot top SW12,5 mm, L = 1000 mm, wood		0,1 kg	
37962	Construction time barrier for slot top 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.	Accessories	Material	Weight	Pc./pallet
10410291	tec sump unit V 500/144/500 with pipe coupling DN 100	FILCOTEN	24 kg	10
10410391	tec sump unit E 500/144/500 with pipe coupling DN 100 ¹⁾	FILCOTEN	24 kg	10
22515	BG sediment bucket for sump unit	plastic	0,2 kg	
30030	BG odour trap made of PVC bends DN 150/87°	plastic	3,9 kg	
30056	BG drain trap for sump unit for backfitting DN 100	plastic	0,2 kg	
30019	BG drain trap for bottom outlet DN 100	plastic	0,2 kg	
19010230	tec front-/end cap	galvan. steel	0,3 kg	
19010231	tec end cap with outlet DN 100	galvan. steel	0,4 kg	
19010330	tec front-/end cap ¹⁾	stainl. steel	0,3 kg	
19010331	tec end cap with outlet DN 100 ¹⁾	stainl. steel	0,4 kg	
19010200	tec mini front-/end cap	galvan. steel	0,1 kg	
19010300	tec mini front-/end cap ¹⁾	stainl. steel	0,1 kg	
19010902	tec installation chairs - set incl. bolts - requirement: number of channels+ 1	galvan. steel	0,6 kg	50



Slot top
SW 12,5 cl. B



Slot top
SW 12,5 cl. C



Slot top 2S, Heelproof
SW 2x6, cl. C

New

New

New

New



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

Installation
guidelines at

www.bg-graspointner.com

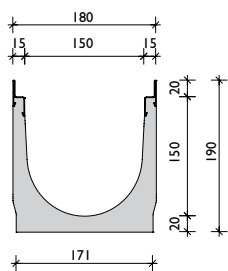
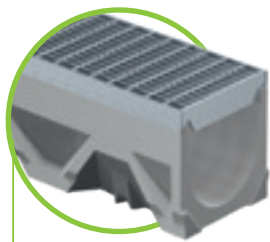
¹⁾ Delivery time on request

³⁾ No anti-vandalism locking device possible

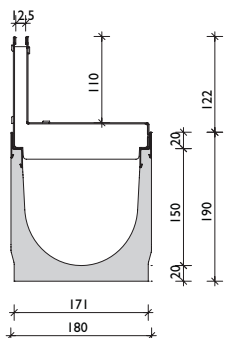


FILCOTEN[®] tec

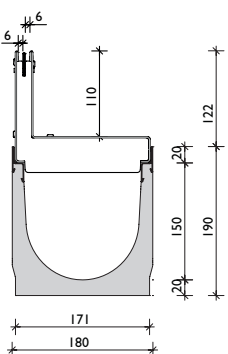
up to class C250



incl. galvanised- or stainless steel edges



Slot top
SW 12,5, cl. C



Slot top 2S, Heelproof
SW 2x6, cl. C

FILCOTEN[®] tec incl. steel edges, nominal width 150

Channel made of FILCOTEN HPC (High Performance Concrete) with integrated galvanised or stainless steel edges up to class C

Item no.	Channel body with galvanised steel edges and safety joint	Slope	Weight	Pc./pallet
10415200	FILCOTEN tecV NW 150, no. 0	0,0 %	22,2 kg	16
10415250	FILCOTEN tecV NW 150, no. 0, L = 500 mm	0,0 %	11,2 kg	16
30001	Additional charge for channels with outlet DN 150			
Item no.	Channel body with stainless steel edges and safety joint	Slope	Weight	Pc./pallet
10415300	FILCOTEN tec E NW 150, no. 0 ¹⁾	0,0 %	22,2 kg	16
10415350	FILCOTEN tec E NW 150, no. 0, L = 500 mm ¹⁾	0,0 %	11,2 kg	16
30001	Additional charge for channels with outlet DN 150			

Gratings and accessories

for FILCOTEN[®] tec with galvanised or stainless steel edges, nominal width 150

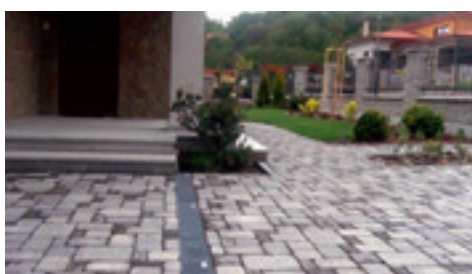
Item no.	Gratings with fiX self-locking system (not boltable)	Load class	Weight	Pc./pallet
17015220	tec mesh grating 1000/172/20, MW 30/10	B 125 kN	4,6 kg	68
17015221	tec mesh grating 500/172/20, MW 30/10	B 125 kN	2,4 kg	48
17015222	tec mesh grating 1000/172/20, MW 30/10	C 250 kN	6,9 kg	68
17015223	tec mesh grating 500/172/20, MW 30/10	C 250 kN	3,6 kg	48
17015322	tec mesh grating 1000/172/20, MW 30/10, stainless steel ¹⁾	C 250 kN	6,9 kg	68
17015323	tec mesh grating 500/172/20, MW 30/10, stainless steel ¹⁾	C 250 kN	3,6 kg	48
17015101	tec ductile iron elongated bar grating 500/172/20, MW 29/13	C 250 kN	4,9 kg	128
32088	tec anti-vandalism locking device NW 150 2 pcs. required per grating	stainl. steel	0,1 kg	
Item no.	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 kN	6,7 kg	24
17115244	Slot top V NW 150, 500/173/143, SH 110, SW 12,5 mm	C 250 kN	3,3 kg	16
17115281	Maintenance unit V NW 150, 500/173/143, SH 110, SW 12,5 mm	C 250 kN	6,0 kg	16
17116204	Slot top 2S, Heelproof V NW 150, 1000/173/143, SH 110, SW 2x6 mm	C 250 kN	6,4 kg	24
17116205	Slot top 2S, Heelproof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250 kN	3,7 kg	16
17116206	Maintenance unit 2S, Heelproof V NW 150, 500/173/143, SH 110, SW 2x6 mm	C 250 kN	6,8 kg	16
17110280	Front cap V NW 150, variable height 80 - 200 mm, fitting both slot tops		0,1 kg	
37961	Construction time barrier for slot top SW12,5 mm, L = 1000 mm, wood		0,1 kg	
37962	Construction time barrier for slot top SW2x6 mm, L = 1000 mm, wood		0,1 kg	
13399	Opening tool for maintenance unit cover - 2 pcs. required, plastic		0,1 kg	
Item no.	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 kN	6,7 kg	24
17115344	Slot top E NW 150, 500/173/143, SH 110, SW 12,5 mm	C 250 kN	3,3 kg	16
17115381	Maintenance unit E NW 150, 500/173/143, SH 110, SW 12,5 mm	C 250 kN	6,0 kg	16
17116304	Slot top 2S, Heelproof E NW 150, 1000/173/143, SH 110, SW 2x6 mm ¹⁾	C 250 kN	6,4 kg	24
17116305	Slot top 2S, Heelproof E NW 150, 500/173/143, SH 110, SW 2x6 mm ¹⁾	C 250 kN	3,7 kg	16
17116306	Maintenance unit 2S, Heelproof E NW 150, 500/173/143, SH 110, SW 2x6 mm ¹⁾	C 250 kN	6,8 kg	16
17110380	Front cap E NW 150, variable height 80 - 200 mm, fitting both slot tops		0,1 kg	
37961	Construction time barrier for slot top SW12,5 mm, L = 1000 mm, wood		0,1 kg	
37962	Construction time barrier for slot top SW2x6 mm, L = 1000 mm, wood		0,1 kg	
13399	Opening tool for maintenance unit cover - 2 pcs. required, plastic		0,1 kg	
Item no.	Accessories	Material	Weight	Pc./pallet
10415291	tec sump unit V 500/199/650 with pipe coupling DN 150	FILCOTEN	40 kg	8
10415391	tec sump unit E 500/199/650 with pipe coupling DN 150 ¹⁾	FILCOTEN	40 kg	8
22516	BG sediment bucket for sump unit	plastic	0,3 kg	
30030	BG odour trap made of PVC bends DN 150/87°	plastic	3,9 kg	
30057	BG drain trap for sump unit for backfitting DN 150	plastic	0,2 kg	
19015230	tec front-/end cap	galvan. steel	0,5 kg	
19015231	tec end cap with outlet DN 150	galvan. steel	0,6 kg	
19015330	tec front-/end cap ¹⁾	stainl. steel	0,5 kg	
19015331	tec end cap with outlet DN 150 ¹⁾	stainl. steel	0,6 kg	
19020902	tec installation chairs - set incl. bolts - requirement: number of channels+1	galvan. steel	0,8 kg	30

¹⁾ Delivery time on request



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

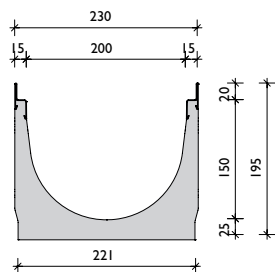
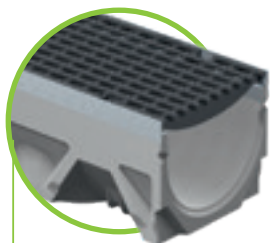
References





FILCOTEN[®] tec

up to class C250



incl. galvanised- or stainless steel edges

FILCOTEN[®] tec incl. steel edges, nominal width 200

Channel made of FILCOTEN HPC (High Performance Concrete) with integrated galvanised or stainless steel edges up to class C

Item no.	Channel body with galvanised steel edges and safety joint	Slope	Weight	Pc./pallet
10220200	FILCOTEN tec V NW 200, H = 195 mm	0,0 %	28,8 kg	12
10220250	FILCOTEN tec V NW 200, H = 195 mm, L = 500 mm	0,0 %	14,5 kg	12
30002	Additional charge for channels with outlet DN 200			
Item no.	Channel body with stainless steel edges and safety joint	Slope	Weight	Pc./pallet
10220300	FILCOTEN tec E NW 200, H = 195 mm ¹⁾	0,0 %	28,8 kg	12
10220350	FILCOTEN tec E NW 200, H = 195 mm, L = 500 mm ¹⁾	0,0 %	14,5 kg	12
30002	Additional charge for channels with outlet DN 200			

¹⁾ Delivery time on request

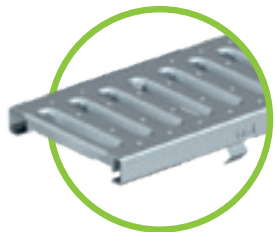
Gratings and accessories

for FILCOTEN[®] tec with galvanised or stainless steel edges, nominal width 200

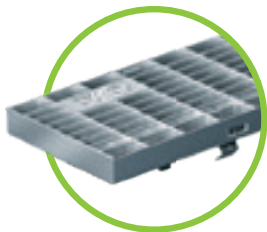
Item no.	Gratings with fiX self-locking system (not bolttable)	Load class	Weight	Pc./pallet
17020228	tec perforated grating 1000/222/20, Ø 6,0 mm	C 250 kN	13,5 kg	60
17020229	tec perforated grating 500/222/20, Ø 6,0 mm	C 250 kN	6,7 kg	28
17020328	tec perforated grating 1000/222/20, Ø 6,0 mm, stainless steel ¹⁾	C 250 kN	13,5 kg	60
17020329	tec perforated grating 500/222/20, Ø 6,0 mm, stainless steel ¹⁾	C 250 kN	6,7 kg	28
17020220	tec mesh grating 1000/222/20, MW 30/10	B 125 kN	6,0 kg	60
17020221	tec mesh grating 500/222/20, MW 30/10	B 125 kN	3,1 kg	28
17020222	tec mesh grating 1000/222/20, MW 30/10	C 250 kN	8,8 kg	60
17020223	tec mesh grating 500/222/20, MW 30/10	C 250 kN	4,5 kg	28
17020322	tec mesh grating 1000/222/20, MW 30/10, stainless steel ¹⁾	C 250 kN	8,8 kg	60
17020323	tec mesh grating 500/222/20, MW 30/10, stainless steel ¹⁾	C 250 kN	4,5 kg	28
17020101	tec ductile iron elongated bar grating 500/222/20, MW 29/13	C 250 kN	7,3 kg	98
32089	tec anti-vandalism locking device NW 200 2 pcs. required per grating	stainless steel	0,1 kg	
Item no.	Accessories	Material	Weight	Pc./pallet
10220291	tec sump unit V 500/260/650 with pipe coupling DN 200	FILCOTEN	48 kg	6
10220391	tec sump unit E 500/260/650 with pipe coupling DN 200 ¹⁾	FILCOTEN	48 kg	6
22512	BG sediment bucket for sump unit	plastic	0,7 kg	
30040	BG odour trap made of PVC bends DN 200/87°	plastic	7,4 kg	
19020230	tec front-/end cap	galvanised steel	0,8 kg	
19020232	tec end cap with outlet DN 150	galvanised steel	0,5 kg	
19020330	tec front-/end cap ¹⁾	stainl. steel	0,8 kg	
19020332	tec end cap with outlet DN 150 ¹⁾	stainl. steel	0,5 kg	
19020902	tec installation chairs - set incl. bolts - requirement: number of channels+ 1	galvanised steel	0,8 kg	30

¹⁾ Delivery time on request

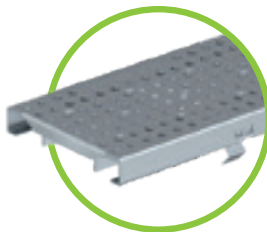
Gratings: FILCOTEN® tec and tec mini NW 100 and tec NW 150, 200



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



Mesh grating cl. B - galvanised /
cl. C galvanised or stainless
steel, MW 30/10,
for all NW



Perforated grating
galvanised or stainless steel,
Ø 6,0 mm, cl. A and cl. C
for NW 100
cl. C for NW 200



Slot top SW 12,5 mm,
cl. B for NW 100 - galvanised steel,
cl. C for NW 100 and 150 -
galvanised or stainless steel



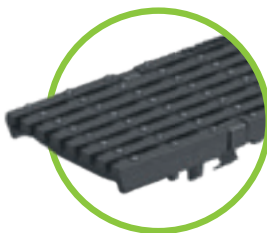
Slot top 2S, Heelproof
SW 2x6 mm, cl. C,
galvanised or stainless steel
for NW 100 and 150



COMBee-design grating
Ø 7,3 mm, cl. B and cl. C
plastic PA6
for NW 100



Ductile iron elongated bar
grating MW 29/13, cl. C -
for all NW



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



Ductile iron slotted grating
SW 10/100
cl. B - for NW 100



FILCOTEN[®] pro

up to class F900 / E600



FILCOTEN[®] pro incl. edges, nominal width 100

Channel made of FILCOTEN HPC (High Performance Concrete)

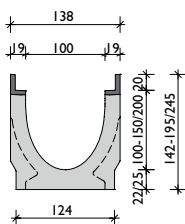
with integrated galvanised or stainless steel edges up to class E 600 kN or cast iron edges up to class F 900 kN

Item no.	Channel body with cast iron edges and safety joint - cl. F 900 ^(*)	Slope	Weight	Pc./pallet
10610100	FILCOTEN pro G NW 100, no. 0	0,0 %	19,1 kg	25
10610180	FILCOTEN pro G NW 100, no. 0, L = 500 mm	0,0 %	9,7 kg	20
10610161	FILCOTEN pro G NW 100, no. 5-0	0,0 %	22,6 kg	20
10610181	FILCOTEN pro G NW 100, no. 5-0, L = 500 mm, for drilling ²⁾	0,0 %	13,5 kg	20
10610162	FILCOTEN pro G NW 100, no. 10-0	0,0 %	26,1 kg	20
10610164	FILCOTEN pro G NW 100, no. 20-0	0,0 %	32,0 kg	15
30000	Additional charge for channels with outlet DN 100			
10610101-10	FILCOTEN pro G NW 100, no. 1 to no. 10	0,5 %	19,5 - 25,4 kg	20
Item no.	Channel body with galvanised steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
10610200	FILCOTEN pro V NW 100, no. 0	0,0 %	18,3 kg	25
10610280	FILCOTEN pro V NW 100, no. 0, L = 500 mm	0,0 %	9,6 kg	20
10610261	FILCOTEN pro V NW 100, no. 5-0	0,0 %	21,6 kg	20
10610281	FILCOTEN pro V NW 100, no. 5-0, L = 500 mm, for drilling ²⁾	0,0 %	13,2 kg	20
10610262	FILCOTEN pro V NW 100, no. 10-0	0,0 %	24,9 kg	20
10610264	FILCOTEN pro V NW 100, no. 20-0	0,0 %	31,0 kg	15
30000	Additional charge for channels with outlet DN 100			
10610201-10	FILCOTEN pro V NW 100, no. 1 to no. 10	0,5 %	18,6 - 24,6 kg	20
Item no.	Channel body with stainless steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
10610300	FILCOTEN pro E NW 100, no. 0 ¹⁾	0,0 %	18,3 kg	25
30000	Additional charge for channels with outlet DN 100			
10610301-10	FILCOTEN pro E NW 100, no. 1 to no. 10 ¹⁾	0,5 %	18,6 - 24,6 kg	20

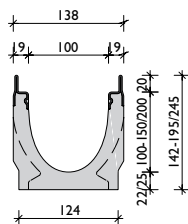
¹⁾ Delivery time on request

²⁾ for side and/or bottom drilling - see picture on page 12

Additional charge for drilling = Additional charge for channels with outlet



incl. cast iron edges



incl. galvanised- or stainless steel edges

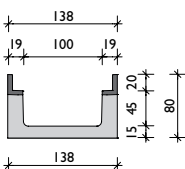


FILCOTEN[®] pro mini incl. edges, nominal width 100

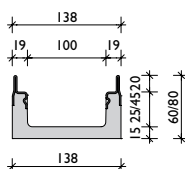
Channel made of FILCOTEN HPC (High Performance Concrete) with integrated galvanised or stainless steel edges up to class E 600 kN or cast iron edges up to class F 900 kN - very low construction height

Item no.	Channel body with cast iron edges and safety joint - cl. F 900 ^(*)	Slope	Weight	Pc./pallet
10510101	FILCOTEN pro G mini NW 100, H = 80 mm	0,0 %	11,1 kg	40
30000	Additional charge for channels with outlet DN 100			
Item no.	Channel body with galvanised steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
10510200	FILCOTEN pro V mini NW 100, H = 60 mm	0,0 %	9,1 kg	50
10510201	FILCOTEN pro V mini NW 100, H = 80 mm	0,0 %	10,7 kg	40
30000	Additional charge for channels with outlet DN 100			
Item no.	Channel body with stainless steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
10510300	FILCOTEN pro E mini NW 100, H = 60 mm ¹⁾	0,0 %	9,1 kg	50
10510301	FILCOTEN pro E mini NW 100, H = 80 mm ¹⁾	0,0 %	10,7 kg	40
30000	Additional charge for channels with outlet DN 100			

¹⁾ Delivery time on request



incl. cast iron edges



incl. galvanised- or stainless steel edges



^{*)} With cast-iron edges, tested up to cl. F 900 kN acc. to EN 1433. Installation according to the manufactures installation instructions!

^{**)} With galvan./stainl. steel edges, tested up to cl. E 600 kN acc. to EN 1433

Gratings and accessories

for FILCOTEN® pro and pro mini with integrated galvanised, stainless steel or cast iron edges, nominal width 100

Item no.	Gratings with fiX self-locking system (not boltable)	Load class	Weight	Pc./pallet
I7010222	pro mesh grating 1000/122/20, MW 30/10	C 250 kN	3,3 kg	120
I7010223	pro mesh grating 500/122/20, MW 30/10	C 250 kN	1,6 kg	48
I7010322	pro mesh grating 1000/122/20, MW 30/10, stainless steel ¹⁾	C 250 kN	3,3 kg	120
I7010323	pro mesh grating 500/122/20, MW 30/10, stainless steel ¹⁾	C 250 kN	1,6 kg	48
I7010226	pro mesh grating 1000/122/20, MW 25/10 ¹⁾	D 400 kN	7,4 kg	96
I7010227	pro mesh grating 500/122/20, MW 25/10 ¹⁾	D 400 kN	3,8 kg	48
I7010326	pro mesh grating 1000/122/20, MW 25/10, stainless steel ¹⁾	D 400 kN	7,4 kg	96
I7010327	pro mesh grating 500/122/20, MW 25/10, stainless steel ¹⁾	D 400 kN	3,8 kg	48
I7010206	pro slotted grating 1000/122/20, SW 8/80 ¹⁺³⁾	C 250 kN	4,5 kg	60
I7010207	pro slotted grating 500/122/20, SW 8/80 ¹⁺³⁾	C 250 kN	2,2 kg	48
I7010306	pro slotted grating 1000/122/20, SW 8/80, stainless steel ¹⁺³⁾	C 250 kN	4,5 kg	60
I7010307	pro slotted grating 500/122/20, SW 8/80, stainless steel ¹⁺³⁾	C 250 kN	2,2 kg	48
I7010228	pro perforated grating 1000/122/20, Ø 6,0 mm ¹⁾	C 250 kN	3,3 kg	120
I7010229	pro perforated grating 500/122/20, Ø 6,0 mm ¹⁾	C 250 kN	1,7 kg	48
I7010328	pro perforated grating 1000/122/20, Ø 6,0 mm, stainless steel ¹⁾	C 250 kN	3,3 kg	120
I7010329	pro perforated grating 500/122/20, Ø 6,0 mm, stainless steel ¹⁾	C 250 kN	1,7 kg	48
I7010402	pro COMBee-design grating 500/123/20, Ø 7,3 mm, plastic PA6 ³⁾	C 250 kN	1,1 kg	160
I7010101	pro ductile iron elongated bar grating 500/122/20, MW 29/13	C 250 kN	3,2 kg	240
I7010106	pro ductile iron elongated bar grating 500/122/20, MW 29/6, narrow SW	C 250 kN	3,6 kg	240
I7010104	pro ductile iron elongated bar grating 500/122/20, MW 29/13	D 400 kN	3,4 kg	240
I7010110	pro ductile iron elongated bar grating 500/122/20, MW 28/9	D 400 kN	3,4 kg	240
I7010105	pro ductile iron slotted grating 500/122/20, SW 14/100	E 600 kN	3,8 kg	240
I7010180	pro ductile iron design grating "VILLE" 500/122/20	E 600 kN	5,2 kg	240
32087	pro anti-vandalism locking device NW 100 2 pcs. required per grating	stainless steel	0,1 kg	
Item no.	4 point bolted gratings	Load class	Weight	Pc./pallet
I7010103	pro ductile iron elongated bar grating 500/122/20, MW 22/13 ⁴⁾	E 600 kN	4,2 kg	240
I7010107	pro ductile iron slotted grating 500/122/20, SW 14/100 ⁵⁾	F 900 kN	5,0 kg	192
32103	pro locking device kit for ductile iron gratings cl. E or cl. F (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
32109	pro locking device kit V2A for ductile iron gratings cl. E or cl. F (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
Item no.	FILCOTEN slot tops V / E asymmetric incl. accessories	Load class	Weight	Pc./pallet
	Slot tops cl. C - see FILCOTEN tec NW 100			
	Slot tops cl. D - on request			
Item no.	Accessories	Material	Weight	Pc./pallet
I0610190	pro sump unit G 500/145/600 with pipe coupling DN 100	FILCOTEN	32,9 kg	10
I0610290	pro sump unit V 500/145/600 with pipe coupling DN 100	FILCOTEN	32,4 kg	10
I0610390	pro sump unit E 500/145/600 with pipe coupling DN 100 ¹⁾	FILCOTEN	32,4 kg	10
22515	BG sediment bucket for sump unit	plastic	0,2 kg	
30056	BG drain trap for sump unit for backfitting DN 100	plastic	0,2 kg	
30019	BG drain trap for bottom outlet DN 100	plastic	0,2 kg	
I9010230	pro front-/end cap (no. 0 - 10-0)	galvanised steel	0,3 kg	
I9010231	pro end cap with outlet DN 100 (no. 0 - 10-0)	galvanised steel	0,4 kg	
I9010215	pro front-/end cap (no. 20-0)	galvanised steel	0,3 kg	
I9010216	pro end cap with outlet DN 100 (no. 20-0)	galvanised steel	0,4 kg	
I9010330	pro front-/end cap (no. 0 - 10-0) ¹⁾	stainl. steel	0,3 kg	
I9010331	pro end cap with outlet DN 100 (no. 0 - 10-0) ¹⁾	stainl. steel	0,4 kg	
I9010315	pro front-/end cap (no. 20-0) ¹⁾	stainl. steel	0,3 kg	
I9010316	pro end cap with outlet DN 100 (no. 20-0) ¹⁾	stainl. steel	0,4 kg	
I9010200	pro mini front-/end cap	galvanised steel	0,1 kg	
I9010300	pro mini front-/end cap ¹⁾	stainl. steel	0,1 kg	
I9010902	pro installation chairs - set incl. bolts - requirement: number of channels+ 1	galvanised steel	0,6 kg	50

¹⁾ Delivery time on request

³⁾ No anti-vandalism locking device possible

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

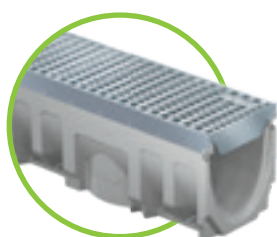
⁵⁾ For class F 900 kN installation - please get a final release of the installation details by the manufacturer

New



FILCOTEN[®] pro

up to class F900 / E600



FILCOTEN[®] pro incl. edges, nominal width 150

Channel made of FILCOTEN HPC (High Performance Concrete)

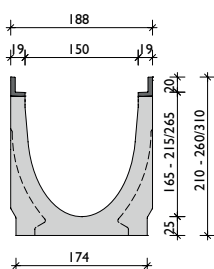
with integrated galvanised or stainless steel edges up to class E 600 kN or cast iron edges up to class F 900 kN

Item no.	Channel body with cast iron edges and safety joint - cl. F 900 ^(*)	Slope	Weight	Pc./pallet
I0615100	FILCOTEN pro G NW 150, no. 0	0,0 %	31,8 kg	16
I0615180	FILCOTEN pro G NW 150, no. 0, L = 500 mm	0,0 %	17,0 kg	16
I0615161	FILCOTEN pro G NW 150, no. 5-0	0,0 %	35,6 kg	12
I0615181	FILCOTEN pro G NW 150, no. 5-0, L = 500 mm, for drilling ²⁾	0,0 %	21,5 kg	16
I0615162	FILCOTEN pro G NW 150, no. 10-0	0,0 %	38,8 kg	12
I0615164	FILCOTEN pro G NW 150, no. 20-0	0,0 %	48,7 kg	8
30001	Additional charge for channels with outlet DN 150			
I0615101-10	FILCOTEN pro G NW 150, no. 1 to no. 10	0,5 %	32,5 - 38,5 kg	12
Item no.	Channel body with galvanised steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
I0615200	FILCOTEN pro V NW 150, no. 0	0,0 %	31,0 kg	16
I0615280	FILCOTEN pro V NW 150, no. 0, L = 500 mm	0,0 %	16,5 kg	16
I0615261	FILCOTEN pro V NW 150, no. 5-0	0,0 %	34,6 kg	12
I0615281	FILCOTEN pro V NW 150, no. 5-0, L = 500 mm, for drilling ²⁾	0,0 %	21,0 kg	16
I0615262	FILCOTEN pro V NW 150, no. 10-0	0,0 %	37,8 kg	12
I0615264	FILCOTEN pro V NW 150, no. 20-0	0,0 %	47,7 kg	8
30001	Additional charge for channels with outlet DN 150			
I0615201-10	FILCOTEN pro V NW 150, no. 1 to no. 10	0,5 %	31,5 - 37,5 kg	12
Item no.	Channel body with stainless steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
I0615300	FILCOTEN pro E NW 150, no. 0 ¹⁾	0,0 %	30,8 kg	16
30001	Additional charge for channels with outlet DN 150			
I0615301-10	FILCOTEN pro E NW 150, no. 1 to no. 10 ¹⁾	0,5 %	31,5 - 37,5 kg	12

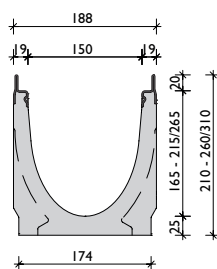
¹⁾ Delivery time on request

²⁾ for side and/or bottom drilling - see picture on page 12

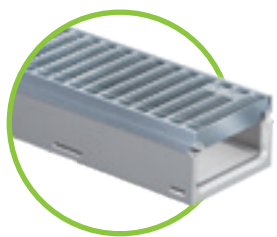
Additional charge for drilling = Additional charge for channels with outlet



incl. cast iron edges



incl. galvanised- or stainless steel edges

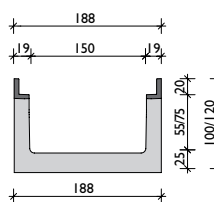


FILCOTEN[®] pro mini incl. edges, nominal width 150

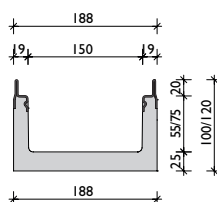
Channel made of FILCOTEN HPC (High Performance Concrete) with integrated galvanised or stainless steel edges up to class E 600 kN or cast iron edges up to class F 900 kN - very low construction height

Item no.	Channel body with cast iron edges and safety joint - cl. F 900 ^(*)	Slope	Weight	Pc./pallet
I0515102	FILCOTEN pro G mini NW 150, H = 100 mm	0,0 %	20,0 kg	24
I0515100	FILCOTEN pro G mini NW 150, H = 120 mm ¹⁾	0,0 %	21,8 kg	20
30001	Additional charge for channels with outlet DN 150			
Item no.	Channel body with galvanised steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
I0515202	FILCOTEN pro V mini NW 150, H = 100 mm	0,0 %	19,4 kg	24
I0515200	FILCOTEN pro V mini NW 150, H = 120 mm ¹⁾	0,0 %	21,2 kg	20
30001	Additional charge for channels with outlet DN 150			
Item no.	Channel body with stainless steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
I0515302	FILCOTEN pro E mini NW 150, H = 100 mm ¹⁾	0,0 %	19,4 kg	24
I0515300	FILCOTEN pro E mini NW 150, H = 120 mm ¹⁾	0,0 %	21,2 kg	20
30001	Additional charge for channels with outlet DN 150			

¹⁾ Delivery time on request



incl. cast iron edges



incl. galvanised- or stainless steel edges



^{*)} With cast-iron edges, tested up to cl. F 900 kN acc. to EN 1433. Installation according to the manufactures installation instructions!

^{**)} With galvan./stainl. steel edges, tested up to cl. E 600 kN acc. to EN 1433

Gratings and accessories

for FILCOTEN® pro and pro mini with integrated galvanised, stainless steel or cast iron edges, nominal width 150

Item no.	Gratings with fiX self-locking system (not boltable)	Load class	Weight	Pc./pallet
I7015222	pro mesh grating 1000/172/20, MWV 30/10	C 250 kN	6,9 kg	68
I7015223	pro mesh grating 500/172/20, MWV 30/10	C 250 kN	3,6 kg	48
I7015322	pro mesh grating 1000/172/20, MWV 30/10, stainless steel ¹⁾	C 250 kN	6,9 kg	68
I7015323	pro mesh grating 500/172/20, MWV 30/10, stainless steel ¹⁾	C 250 kN	3,6 kg	48
I7015226	pro mesh grating 1000/172/20, MWV 25/10 ¹⁾	D 400 kN	10,4 kg	68
I7015227	pro mesh grating 500/172/20, MWV 25/10 ¹⁾	D 400 kN	5,3 kg	48
I7015101	pro ductile iron elongated bar grating 500/172/20, MWV 29/13	C 250 kN	4,9 kg	128
I7015104	pro ductile iron elongated bar grating 500/172/20, MWV 29/13	D 400 kN	5,2 kg	128
I7015110	pro ductile iron elongated bar grating 500/172/20, MWV 28/9	D 400 kN	5,5 kg	128
I7015105	pro ductile iron slotted grating 500/172/20, SVV 14/150	E 600 kN	7,0 kg	96
I7015180	pro ductile iron design grating „VILLE“ 500/172/20	E 600 kN	8,6 kg	128
32088	pro anti-vandalism locking device NW 150 2 pcs. required per grating	stainl. steel	0,1 kg	
Item no.	4 point bolted gratings	Load class	Weight	Pc./pallet
I7015103	pro ductile iron elongated bar grating 500/172/20, MWV 22/13 ⁴⁾	E 600 kN	7,2 kg	128
I7015108	pro ductile iron slotted grating 500/172/20, SVV 14/150 ⁴⁾	D 400 kN	5,5 kg	128
I7015107	pro ductile iron slotted grating 500/172/20, SVV 14/150 ⁵⁾	F 900 kN	8,1 kg	96
32103	pro locking device kit for ductile iron gratings cl. D, cl. E and cl. F (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
32109	pro locking device kit V2A for ductile iron gratings cl. D, cl. E and cl. F (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
Item no.	FILCOTEN slot tops V / E asymmetric incl. accessories	Load class	Weight	Pc./pallet
	Slot tops cl. C - see FILCOTEN tec NW 150			
	Slot tops cl. D - on request			
Item no.	Accessories	Material	Weight	Pc./pallet
I0615190	pro sump unit G 500/200/690 with pipe coupling DN 150	FILCOTEN	45 kg	8
I0615290	pro sump unit V 500/200/690 with pipe coupling DN 150	FILCOTEN	44,5 kg	8
I0615390	pro sump unit E 500/200/690 with pipe coupling DN 150 ¹⁾	FILCOTEN	44,5 kg	8
22516	BG sediment bucket for sump unit	plastic	0,3 kg	
30030	BG odour trap made of PVC bends DN 150/87°	plastic	3,9 kg	
30057	BG drain trap for sump unit for backfitting DN 150	plastic	0,2 kg	
I9015230	pro front-/end cap (no. 0 - 10-0)	galvanised steel	0,5 kg	
I9015231	pro end cap with outlet DN 150 (no. 0 - 10-0)	galvanised steel	0,6 kg	
I9015215	pro front-/end cap (no. 20-0)	galvanised steel	0,6 kg	
I9015216	pro end cap with outlet DN 150 (no. 20-0)	galvanised steel	0,7 kg	
I9015330	pro front-/end cap (no. 0 - 10-0) ¹⁾	stainl. steel	0,5 kg	
I9015331	pro end cap with outlet DN 150 (no. 0 - 10-0) ¹⁾	stainl. steel	0,6 kg	
I9015315	pro front-/end cap (no. 20-0) ¹⁾	stainl. steel	0,6 kg	
I9015316	pro end cap with outlet DN 150 (no. 20-0) ¹⁾	stainl. steel	0,7 kg	
I9015200	pro mini front-/end cap (H=100 and H=120 mm)	galvanised steel	0,3 kg	
I9015300	pro mini front-/end cap (H=100 and H=120 mm) ¹⁾	stainl. steel	0,3 kg	
I9020902	pro installation chairs - set incl. bolts - requirement: number of channels+ 1	galvanised steel	0,8 kg	30

¹⁾ Delivery time on request

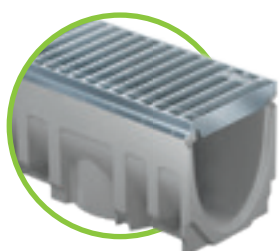
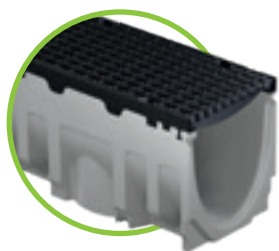
⁴⁾ Bolting only possible when used with cast iron edges / locking device kit to be ordered separately

⁵⁾ For class F 900 kN installation - please get a final release of the installation details by the manufacturer



FILCOTEN[®] pro

up to class F900 / E600



FILCOTEN[®] pro incl. edges, nominal width 200

Channel made of FILCOTEN HPC (High Performance Concrete)

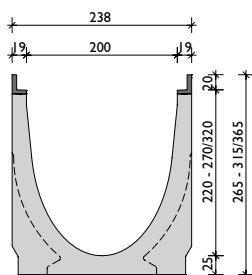
with integrated galvanised or stainless steel edges up to class E 600 kN or cast iron edges up to class F 900 kN

Item no.	Channel body with cast iron edges and safety joint - cl. F 900 ^(*)	Slope	Weight	Pc./pallet
I0620100	FILCOTEN pro G NW 200, no. 0	0,0 %	45,0 kg	9
I0620180	FILCOTEN pro G NW 200, no. 0, L = 500 mm	0,0 %	22,6 kg	12
I0620161	FILCOTEN pro G NW 200, no. 5-0	0,0 %	50,3 kg	6
I0620181	FILCOTEN pro G NW 200, no. 5-0, L = 500 mm, for drilling ²⁾	0,0 %	30,1 kg	12
I0620162	FILCOTEN pro G NW 200, no. 10-0	0,0 %	55,3 kg	6
I0620164	FILCOTEN pro G NW 200, no. 20-0	0,0 %	65,6 kg	6
30002	Additional charge for channels with outlet DN 200			
I0620101-10	FILCOTEN pro G NW 200, no. I to no. 10	0,5 %	45,5 - 54,9 kg	6
Item no.	Channel body with galvanised steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
I0620200	FILCOTEN pro V NW 200, no. 0	0,0 %	44,0 kg	9
I0620280	FILCOTEN pro V NW 200, no. 0, L = 500 mm	0,0 %	22,1 kg	12
I0620261	FILCOTEN pro V NW 200, no. 5-0	0,0 %	49,3 kg	6
I0620281	FILCOTEN pro V NW 200, no. 5-0, L = 500 mm, for drilling ²⁾	0,0 %	29,6 kg	12
I0620262	FILCOTEN pro V NW 200, no. 10-0	0,0 %	54,3 kg	6
I0620264	FILCOTEN pro V NW 200, no. 20-0	0,0 %	64,6 kg	6
30002	Additional charge for channels with outlet DN 200			
I0620201-10	FILCOTEN pro V NW 200, no. I to no. 10	0,5 %	44,5 - 53,9 kg	6
Item no.	Channel body with stainless steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
I0620300	FILCOTEN pro E NW 200, no. 0 ¹⁾	0,0 %	44,0 kg	9
30002	Additional charge for channels with outlet DN 200			
I0620301-10	FILCOTEN pro E NW 200, no. I to no. 10 ¹⁾	0,5 %	44,5 - 53,9 kg	6

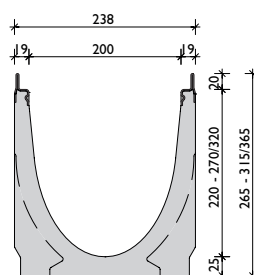
¹⁾ Delivery time on request

²⁾ for side and/or bottom drilling - see picture on page 12

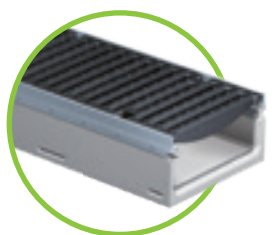
Additional charge for drilling = Additional charge for channels with outlet



incl. cast iron edges



incl. galvanised- or stainless steel edges



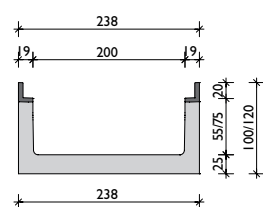
FILCOTEN[®] pro mini incl edges, nominal width 200

Channel made of FILCOTEN HPC (High Performance Concrete) with integrated galvanised or stainless steel

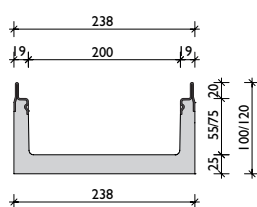
edges up to class E 600 kN or cast iron edges up to class F 900 kN - very low construction height

Item no.	Channel body with cast iron edges and safety joint - cl. F 900 ^(*)	Slope	Weight	Pc./pallet
I0520102	FILCOTEN pro G mini NW 200, H = 100 mm	0,0 %	22,2 kg	24
I0520100	FILCOTEN pro G mini NW 200, H = 120 mm ¹⁾	0,0 %	24,1 kg	18
30002	Additional charge for channels with outlet DN 200			
Item no.	Channel body with galvanised steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
I0520202	FILCOTEN pro V mini NW 200, H = 100 mm	0,0 %	21,1 kg	24
I0520200	FILCOTEN pro V mini NW 200, H = 120 mm ¹⁾	0,0 %	23,0 kg	18
30002	Additional charge for channels with outlet DN 200			
Item no.	Channel body with stainless steel edges and safety joint - cl. E 600 ^(**)	Slope	Weight	Pc./pallet
I0520302	FILCOTEN pro E mini NW 200, H = 100 mm ¹⁾	0,0 %	21,1 kg	24
I0520300	FILCOTEN pro E mini NW 200, H = 120 mm ¹⁾	0,0 %	23,0 kg	18
30002	Additional charge for channels with outlet DN 200			

¹⁾ Delivery time on request



incl. cast iron edges



incl. galvanised- or stainless steel edges



^{*)} With cast-iron edges, tested up to cl. F 900 kN acc. to EN 1433. Installation according to the manufactures installation instructions!

^{**)} With galvan./stainl. steel edges, tested up to cl. E 600 kN acc. to EN 1433

Gratings and accessories

for FILCOTEN® pro and pro mini with integrated galvanised, stainless steel or cast iron edges, nominal width 200

Item no.	Gratings with fiX self-locking system (not boltable)	Load class	Weight	Pc./pallet
I7020222	pro mesh grating 1000/222/20, MWV 30/10	C 250 kN	8,8 kg	60
I7020223	pro mesh grating 500/222/20, MWV 30/10	C 250 kN	4,5 kg	28
I7020322	pro mesh grating 1000/222/20, MWV 30/10, stainless steel ¹⁾	C 250 kN	8,8 kg	60
I7020323	pro mesh grating 500/222/20, MWV 30/10, stainless steel ¹⁾	C 250 kN	4,5 kg	28
I7020226	pro mesh grating 1000/222/20, MWV 25/10 ¹⁾	D 400 kN	15,7 kg	30
I7020227	pro mesh grating 500/222/20, MWV 25/10 ¹⁾	D 400 kN	8,0 kg	14
I7020228	pro perforated grating 1000/222/20, Ø 6,0 mm ¹⁾	C 250 kN	13,5 kg	60
I7020229	pro perforated grating 500/222/20, Ø 6,0 mm ¹⁾	C 250 kN	6,7 kg	28
I7020328	pro perforated grating 1000/222/20, Ø 6,0 mm, stainless steel ¹⁾	C 250 kN	13,5 kg	60
I7020329	pro perforated grating 500/222/20, Ø 6,0 mm, stainless steel ¹⁾	C 250 kN	6,7 kg	28
I7020101	pro ductile iron elongated bar grating 500/222/20, MWV 29/13	C 250 kN	7,3 kg	98
I7020104	pro ductile iron elongated bar grating 500/222/20, MWV 29/13	D 400 kN	7,7 kg	98
I7020105	pro ductile iron slotted grating 500/222/20, SVV 14/200	E 600 kN	8,9 kg	98
I7020180	pro ductile iron design grating "VILLE" 500/222/20	E 600 kN	10,8 kg	70
32089	pro anti-vandalism locking device NW 200 2 pcs. required per grating	stainless steel	0,1 kg	
Item no.	4 point bolted gratings	Load class	Weight	Pc./pallet
I7020103	pro ductile iron elongated bar grating 500/222/20, MWV 22/13 ⁴⁾	E 600 kN	8,8 kg	98
I7020108	pro ductile iron slotted grating 500/222/20, SVV 14/200 ⁴⁾	D 400 kN	7,7 kg	98
I7020107	pro ductile iron slotted grating 500/222/20, SVV 14/95 ⁵⁾	F 900 kN	12,3 kg	70
32103	pro locking device kit for ductile iron gratings cl. D, cl. E and cl. F (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
32109	pro locking device kit V2A for ductile iron gratings cl. D, cl. E and cl. F (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
Item no.	Accessories	Material	Weight	Pc./pallet
I0620190	pro sump unit G 500/265/750 with pipe coupling DN 200	FILCOTEN	48,4 kg	6
I0620290	pro sump unit V 500/265/750 with pipe coupling DN 200	FILCOTEN	48 kg	6
I0620390	pro sump unit E 500/265/750 with pipe coupling DN 200 ¹⁾	FILCOTEN	48 kg	6
22512	BG sediment bucket for sump unit	plastic	0,7 kg	
30040	BG odour trap made of PVC bends DN 200/87°	plastic	7,4 kg	
I9020230	pro front-/end cap (no. 0 - 10-0)	galvanised steel	0,8 kg	
I9020231	pro end cap with outlet DN 200 (no. 0 - 10-0)	galvanised steel	1,1 kg	
I9020215	pro front-/end cap (no. 20-0)	galvanised steel	0,9 kg	
I9020216	pro end cap with outlet DN 200 (no. 20-0)	galvanised steel	1,2 kg	
I9020330	pro front-/end cap (no. 0 - 10-0) ¹⁾	stainl. steel	0,8 kg	
I9020331	pro end cap with outlet DN 200 (no. 0 - 10-0) ¹⁾	stainl. steel	1,1 kg	
I9020315	pro front-/end cap (no. 20-0) ¹⁾	stainl. steel	0,9 kg	
I9020316	pro end cap with outlet DN 200 (no. 20-0) ¹⁾	stainl. steel	1,2 kg	
I9015200	pro mini front-/end cap (H=100 and H=120 mm)	galvanised steel	0,3 kg	
I9015300	pro mini front-/end cap (H=100 and H=120 mm) ¹⁾	stainl. steel	0,3 kg	
I9020902	pro installation chairs - set incl. bolts - requirement: number of channels+ 1	galvanised steel	0,8 kg	30

¹⁾ Delivery time on request

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

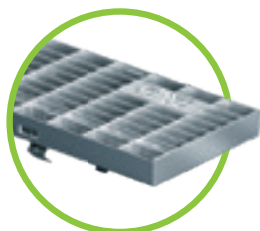
⁵⁾ For class F 900 kN installation - please get a final release of the installation details by the manufacturer



FILCOTEN[®] pro

Gratings

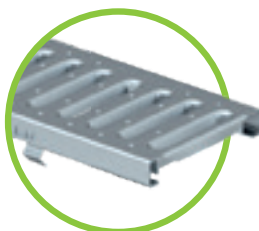
Gratings: FILCOTEN[®] pro and pro mini NW 100, 150, 200



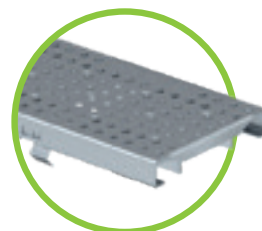
Mesh grating MW 30/10
cl. C galvanised or stainless steel
for NW 100 to 200



Mesh grating MW 25/10, cl. D
NW 100 - galvanised or stainl. steel
NW 150 and 200 - only galvanised



Slotted grating SW 8/80
cl. C - galvanised or
stainless steel
for NW 100



Perforated grating Ø 6,0 mm
cl. C - galvanised or stainl. steel
for NW 100 and 200



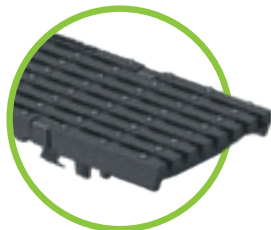
Slot top SW 12,5 mm,
galvanised or stainless steel
cl. C, for NW 100 and NW 150



Slot top 2S, Heelproof
SW 2x6 mm, cl. C, galvanised or
stainless steel for NW 100 and 150



COMBee-design grating
Ø 7,3 mm, cl. C
plastic PA6
for NW 100



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



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



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



Ductile iron elongated bar grating,
MW 22/13, cl. E, 4-point bolting only
available in cast iron edge,
for NW 100 to 200



Ductile iron slotted grating
SW 14/100, 14/150, 14/200
for NW 100 to 200
cl. E with fiX self-locking system



Ductile iron slotted grating
SW 14/150, 14/200
for NW 150 and 200
cl. D 4-point boltable



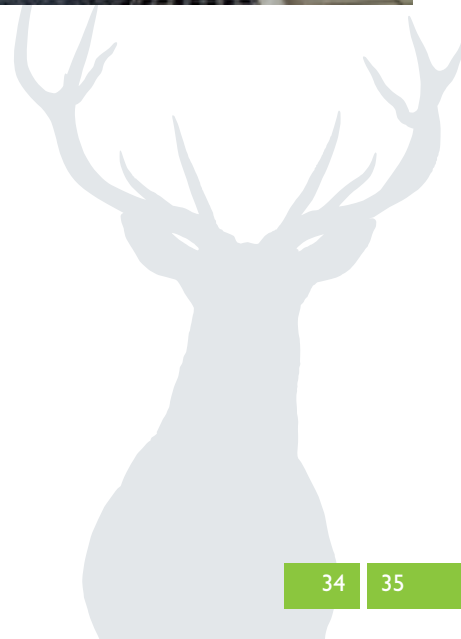
Ductile iron slotted grating
SW 14/95, for NW 200
cl. F 4-point boltable



Ductile iron design grating
VILLE, cl. E
for NW 100 to 200

SW 14/100 and 14/150
for NW 100 and 150
cl. F 4-point boltable

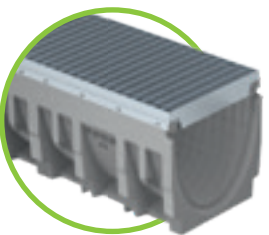
References





FILCOTEN[®] pro

up to class F900 / E600



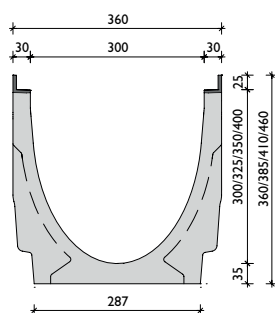
FILCOTEN[®] pro incl. edges, nominal width 300

Channel made of FILCOTEN HPC (High Performance Concrete)

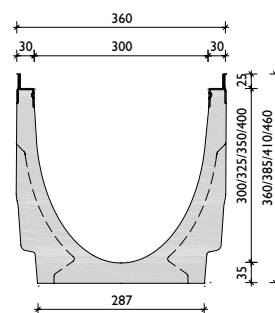
with integrated galvanised steel edges up to class E 600 kN or cast iron edges up to class F 900 kN

Item no.	Channel body with cast iron edges and safety joint - cl. F 900 ^{*)}	Slope	Weight	Pc./pallet
I0630100	FILCOTEN pro G NW 300, no. 0	0,0 %	77,3 kg	6
I0630180	FILCOTEN pro G NW 300, no. 0, L = 500 mm	0,0 %	38,8 kg	4
I0630161	FILCOTEN pro G NW 300, no. 5-0 ¹⁾	0,0 %	83,9 kg	6
I0630162	FILCOTEN pro G NW 300, no. 10-0 ¹⁾	0,0 %	90,3 kg	6
I0630164	FILCOTEN pro G NW 300, no. 20-0 ¹⁾	0,0 %	110,7 kg	6
30002	Additional charge for channels with outlet DN 200			
I0630101-10	FILCOTEN pro G NW 300, no. I to no. 10 ¹⁾	0,5 %	78,0 - 89,7 kg	6
Item no.	Channel body with galvanised steel edges and safety joint - cl. 600 ^{**)}	Slope	Weight	Pc./pallet
I0630200	FILCOTEN pro V NW 300, no. 0	0,0 %	75,6 kg	6
I0630280	FILCOTEN pro V NW 300, no. 0, L = 500 mm	0,0 %	37,9 kg	4
I0630261	FILCOTEN pro V NW 300, no. 5-0 ¹⁾	0,0 %	82,2 kg	6
I0630262	FILCOTEN pro V NW 300, no. 10-0 ¹⁾	0,0 %	88,6 kg	6
I0630264	FILCOTEN pro V NW 300, no. 20-0 ¹⁾	0,0 %	109 kg	6
30002	Additional charge for channels with outlet DN 200			
I0630201-10	FILCOTEN pro V NW 300, no. I to no. 10 ¹⁾	0,5 %	76,3 - 88,0 kg	6

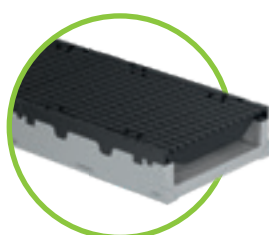
¹⁾ Delivery time on request



incl. cast iron edges



incl. galvanised steel edges



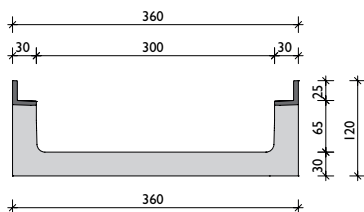
FILCOTEN[®] pro mini incl. edges, nominal width 300

Channel made of FILCOTEN HPC (High Performance Concrete) with integrated galvanised steel edges

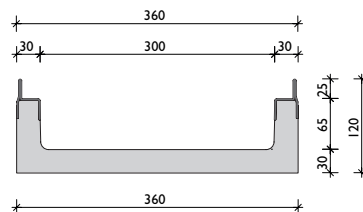
up to class E 600 kN or cast iron edges up to class F 900 kN - very low construction height

Item no.	Channel body with cast iron edges and safety joint - cl. F 900 ^{*)}	Slope	Weight	Pc./pallet
I0530100	FILCOTEN pro G mini NW 300, H = 120 mm	0,0 %	37,9 kg	12
30002	Additional charge for channels with outlet DN 200			
Item no.	Channel body with galvanised steel edges and safety joint - cl. 600 ^{**)}	Slope	Weight	Pc./pallet
I0530200	FILCOTEN pro V mini NW 300, H = 120 mm ¹⁾	0,0 %	36,2 kg	12
30002	Additional charge for channels with outlet DN 200			

¹⁾ Delivery time on request



incl. cast iron edges
H=120 mm



incl. galvanised steel edges
H=120 mm



^{*)} With cast-iron edges, tested up to cl. F 900 kN acc. to EN 1433. Installation according to the manufacturer's installation instructions!

^{**)} With galvanised steel edges, tested up to cl. E 600 kN acc. to EN 1433

Gratings and accessories

for FILCOTEN® pro and pro mini with integrated galvanised steel or cast iron edges, nominal width 300

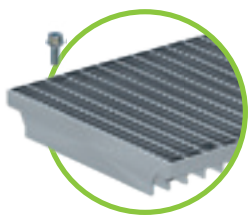
Item no.	Gratings with fiX self-locking system - 4 point bolted	Load class	Weight	Pc./pallet
I7030222	pro mesh grating 1000/347/25, MWV 30/10 ⁴⁾	C 250 kN	23,1 kg	24
I7030223	pro mesh grating 500/347/25, MWV 30/10 ⁴⁾	C 250 kN	11,6 kg	24
I7030102	pro ductile iron elongated bar grating 500/347/25, MWV 29/13 ⁴⁾	D 400 kN	15,2 kg	30
I7030103	pro ductile iron elongated bar grating 500/347/25, MWV 29/13 ⁴⁾	E 600 kN	17,9 kg	30
I7030108	pro ductile iron slotted grating 500/347/25, SVV 14/300 ⁴⁾	D 400 kN	17,4 kg	30
I7030107	pro ductile iron slotted grating 500/347/25, SVV 16/140 ⁵⁾	F 900 kN	22,3 kg	30
I7030180	pro ductile iron design grating „VILLE“ 500/347/25 ⁴⁾ without fiX self-locking system	E 600 kN	20,0 kg	30
32112	pro locking device kit for mesh gratings cl. C (1 pc bolt, 1 pc nut - 4 pcs. required per m)			
32110	pro locking device kit for ductile iron gratings cl. D, cl. E and cl. F (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
32122	pro locking device kit V2A for ductile iron gratings cl. D, cl. E and cl. F (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
Item no.	Accessories	Material	Weight	Pc./pallet
I0630190	pro sump unit G 560/520/950, 2-parts with pipe coupling DN 200, to connect NW 100 and 200 ¹⁾	FILCOTEN	124 kg	2
I0630290	pro sump unit V 560/520/950, 2-parts with pipe coupling DN 200, to connect NW 100 and 200 ¹⁾	FILCOTEN	123 kg	2
22213	BG sediment bucket for sump unit	galvanised steel	3,2 kg	
30040	BG odour trap made of PVC bends DN 200/87°	plastic	7,4 kg	
I9030213	pro front-/end cap (no. 0 - 20-0)	galvanised steel	1,7 kg	
I9030214	pro end cap with outlet DN 200 (no. 0 - 20-0)	galvanised steel	1,6 kg	
I9030210	pro mini front-/end cap (H=120 mm)	galvanised steel	0,2 kg	
I9030902	pro installation chairs - set incl. bolts - requirement: number of channels+ 1	galvanised steel	1,1 kg	20

¹⁾ Delivery time on request

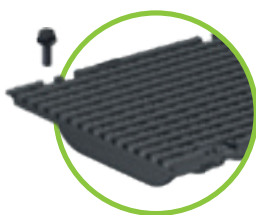
⁴⁾ Locking device kit to be ordered separately

⁵⁾ For class F 900 kN installation - please get a final release of the installation details by the manufacturer

Gratings: FILCOTEN® pro and pro mini NW 300



Mesh grating MW 30/10
cl. C galvanised steel
4-point bolted



Ductile iron elongated
bar grating, MWV 29/13,
cl. D or cl. E
4-point bolted



Ductile iron slotted grating
SW 14/300, cl. D
4-point bolted



Ductile iron slotted grating
SW 16/140, cl. F
4-point bolted



Ductile iron design grating
VILLE, cl. E
4-point bolted



FILCOTEN[®] pro

up to class F900

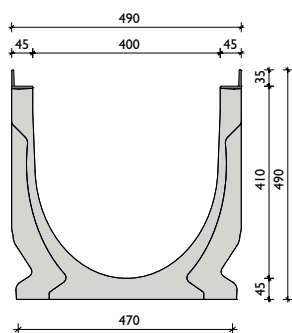


FILCOTEN[®] pro incl. cast iron edges, nominal width 400

Channel made of FILCOTEN HPC (High Performance Concrete) with integrated cast iron edges up to class F 900

Item no.	Channel body with cast iron edges and safety joint - cl. F 900*)	Slope	Weight	Pc./pallet
10641100	FILCOTEN pro G NW 400, no. 0, L = 1000 mm ¹⁾	0,0 %	146 kg	4
30002	Additional charge for channels with outlet DN 200			

¹⁾ Delivery time on request



incl. cast iron edges



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

Gratings and accessories

for FILCOTEN[®] pro with integrated cast iron edges, nominal width 400

Item no.	4 point bolted gratings	Load class	Weight	Pc./pallet
17040181	pro ductile iron slotted grating 500/474/35, SW 18/215 ⁴⁾	E 600 kN	34,5 kg	20
32110	pro locking device kit for ductile iron slotted gratings cl. E (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
32122	pro locking device kit V2A for ductile iron slotted gratings cl. E (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
Item no.	Accessories	Material	Weight	Pc./pallet
10640190	pro sump unit G 560/500/1130, 2-parts with pipe coupling DN 200 ¹⁾	FILCOTEN	175 kg	2
10640191	pro sump unit G 560/540/1230, 2-parts with pipe coupling DN 300 ¹⁾	FILCOTEN	208 kg	2
22214	BG sediment bucket for sump unit	galvanised steel	3,6 kg	
30040	BG odour trap made of PVC bends DN 200/87°	plastic	7,4 kg	
19040213	pro front-/end cap	galvanised steel	4,6 kg	
19040214	pro end cap with outlet DN 200	galvanised steel	5,5 kg	
19040215	pro end cap with outlet DN 300	galvanised steel	5,7 kg	

¹⁾ Delivery time on request

⁴⁾ Locking device kit to be ordered separately



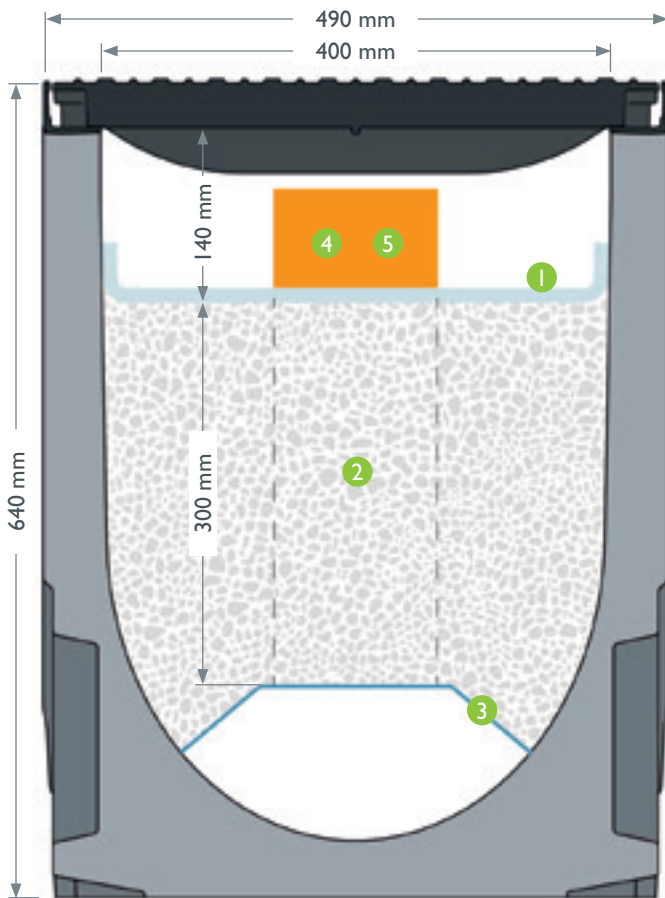
^{*)} With cast-iron edges, tested up to cl. F 900 kN acc. to EN 1433.
Installation according to the manufactures installation instructions!

References



We are setting a new **purity standard** for surface water

The new 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 fleece for efficient preclearing.

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

2 Powerful integrated technical filter.

- diverse applications: Thanks to a tested surface ratio of 1:250 and origin classes A, B and C (in accordance with Austrian standard B2506-3), the filter is suitable for paved surfaces as well as zinc and copper roofs
- excellent efficiency as well as high and lasting cleaning performance

2 Innovative cleaning filter material.

- filter substrate in optimized quantity type ViaSorp (300 mm height)
- highest cleaning performance class
- **in accordance with ÖWAV RB45 and tested according to Austrian standard B2506-3**
- homogeneous material, no segregation 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 substrate zone from the drainage area, keeping the transverse drainage section permanently clear
- optimized perforated surface for maximum drain of water

4 integrated control & water sampling shaft.

- control/water abstraction shaft for visual control and sampling
- easiest handling: remove grating, open cover and draw a purified water sample
- purified water can be collected and tested as to its components – **in accordance with ÖWAV RB45 and Austrian standard B2506**

5 Innovative overflow DN150 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:** Approval of the authority must be given for this device.



FILCOTEN[®] green

up to class E600

FILCOTEN[®] green incl. cast iron edges, nominal width 400

Channel made of FILCOTEN HPC (High Performance Concrete) with integrated cast iron edges up to class E

Item no.	Channel body with cast iron edges and safety joint	Slope	Weight	Pc./pallet
I0640166	FILCOTEN green G NW 400, no. 30-0, L= 2000 mm	0,0 %	356 kg	1
I0641166	FILCOTEN green G NW 400, no. 30-0, L= 1000 mm	0,0 %	179 kg	1
30002	Additional charge for channels with outlet DN 200			

Gratings

for FILCOTEN green with integrated cast iron edges, nominal width 400

Item no.	4 point bolted gratings	Load class	Weight	Pc./pallet
I7040181	green ductile iron slotted grating 500/474/35, SW 18/215 ⁴⁾	E 600 kN	34,5 kg	20
32110	green locking device kit for ductile iron slotted gratings (1 pc bolt, 1 pc nut - 8 pcs. required per m)			
32122	green locking device kit V2A for ductile iron slotted gratings (1 pc bolt, 1 pc nut - 8 pcs. required per m)			

⁴⁾ Locking device kit to be ordered separately

Accessories

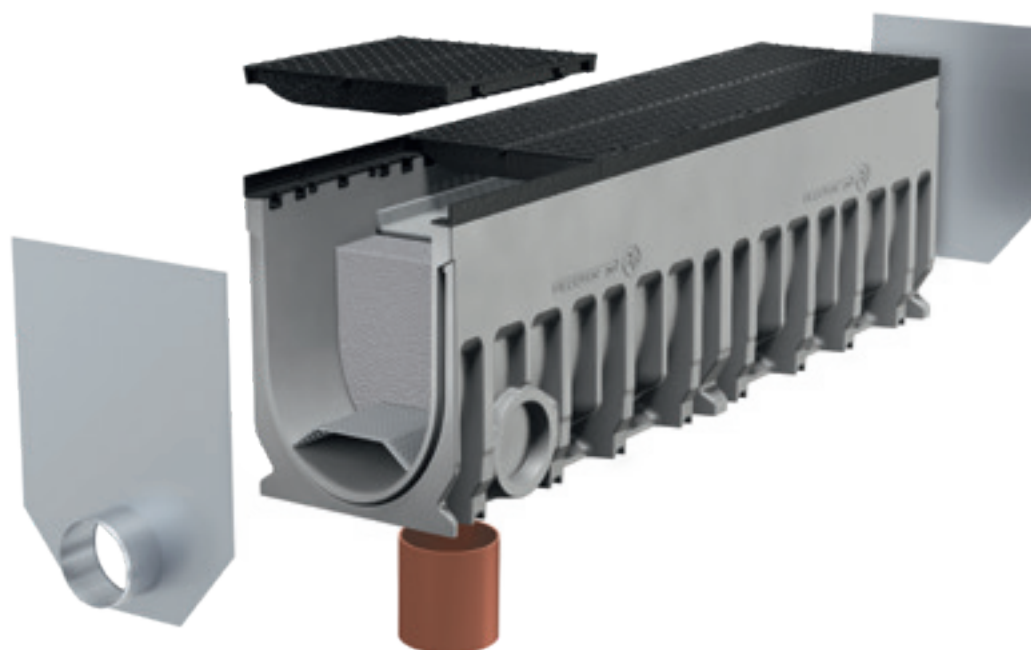
Einbauteile für die Substrattechnologie / front-/end caps

Item no.	Accessories	Material	Weight
I9540910	green prefiltermat, L = 5000 mm, B = 500 mm		0,88 kg
I9500900	green ViaSorp filter material, approved acc. to Austrian standard B2506-3, Big Bag 1000 kg		1000 kg
I9500901	green ViaSorp filter material, approved acc. to Austrian standard B2506-3, Big Bag 850 kg		850 kg
I9500903	green ViaSorp filter material, approved acc. to Austrian standard B2506-3, Big Bag 500 kg		500 kg
I9500904	green ViaSorp filter material, approved acc. to Austrian standard B2506-3, Big Bag 300 kg		250 kg
I9040360	green trapezoid perforated sheet metal, L = 2000 mm	stainless steel	5,0 kg
I9040361	green trapezoid perforated sheet metal, L = 1000 mm	stainless steel	2,5 kg
I9540956	Set - water sampling shaft consisting of: trapezoid perforated sheet metal with outlet DN 150, L = 2000 mm, pipe plug, bolting material	stainless steel	6,6 kg
I9540954	Set - overflow pipe consisting of: trapezoid perforated sheet metal with outlet DN 150, L = 2000 mm, inlet cover, bolting material	stainless steel	7,4 kg
I9040353	green partition sheet NW 400	stainless steel	1,85 kg
I9040350	green front-/end cap	stainless steel	4,7 kg
I9040351	green end cap with outlet DN150	stainless steel	5,6 kg
I9040500	green tool for substrat flattening	wood	1,2 kg

 Technical data: www.bg-graspointner.com/FCT_green_400



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

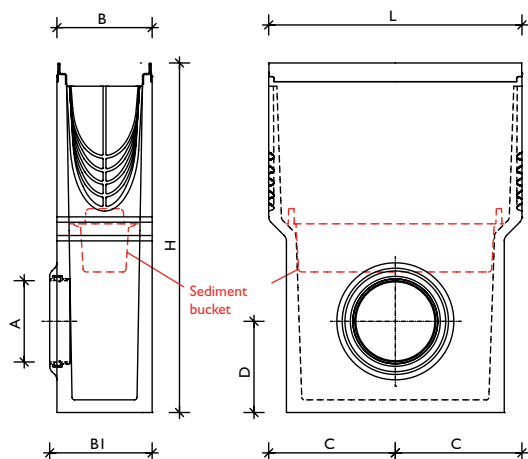


FILCOTEN[®]

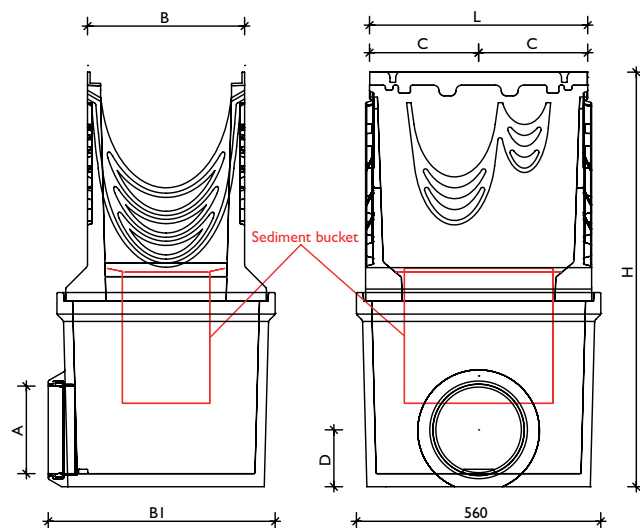


FILCOTEN®

Sump units

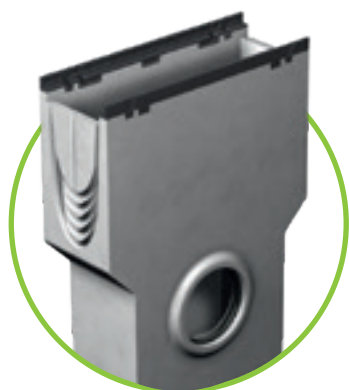


FILCOTEN® sump unit, one part

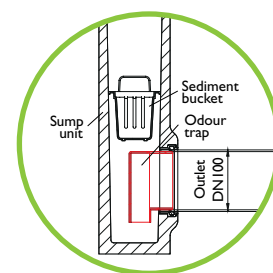


FILCOTEN® sump unit, two parts*

Channel type	Nominal width	Item no.	L	B	BI	H	C	D	A
FILCOTEN® light	100	10310093	500	126	140	500	250	130	pipe coupling DN 100
	150	10315091	500	180	195	650	250	190	pipe coupling DN 150
FILCOTEN® tec	100	10410291/10410391	500	130	144	500	250	130	pipe coupling DN 100
	150	10415291/10415391	500	180	199	650	250	190	pipe coupling DN 150
	200	10220291/10220391	500	230	260	650	250	135	pipe coupling DN 200
FILCOTEN® pro	100	10610190/10610290/10610390	500	138	145	600	250	130	pipe coupling DN 100
	150	10615190/10615290/10615390	500	188	200	690	250	180	pipe coupling DN 150
	200	10620190/10620290/10620390	500	238	265	750	250	135	pipe coupling DN 200
	300*	10630190/10630290	500	360	520	950	250	130	pipe coupling DN 200
	400*	10640190	500	490	520	1130	250	130	pipe coupling DN 200
		10640191	500	490	540	1230	250	190	pipe coupling DN 300

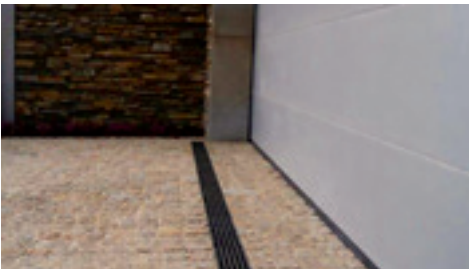


System pipe-coupling:
A pipe fair lead is already installed in the outlet connector. The sewer pipe connection can be made directly and quickly.



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

References





FILCOTEN[®] pro

Point drainage

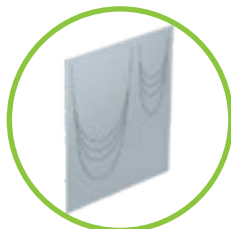


Point drainage FILCOTEN[®] pro incl. edges, nominal width 300

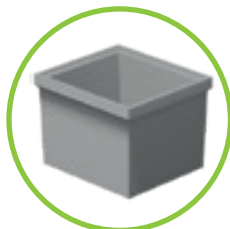
Sump unit 2-parts with pipe coupling DN 200 with middle section and integrated cast iron or galvanised steel edges

Item no.	Point drainage with cast iron edges	Material	Weight	Pc./pallet
10630190	Sump unit G 560/520/950, 2-parts (upper and bottom part) with pipe coupling DN 200, to connect NW 100 and 200 ¹⁾	FILCOTEN	124 kg	2
19060020	Sump unit middle section, 560/500/415 ¹⁾	FILCOTEN	42,5 kg	
19030290	Adaptor plate NW 300, to connect pro NW100, NW200 ¹⁾	galvanised steel	1,7 kg	
Item no.	Point drainage with galvanised steel edges	Material	Weight	Pc./pallet
10630290	Sump unit V 560/520/950, 2-parts (upper and bottom part) with pipe coupling DN 200, to connect NW 100 and 200 ¹⁾	FILCOTEN	123 kg	2
19060020	Sump unit middle section, 560/500/415 ¹⁾	FILCOTEN	42,5 kg	
19030290	Adaptor plate NW 300, to connect pro NW100, NW200 ¹⁾	galvanised steel	1,7 kg	
Gratings and accessories				
Gratings and accessories see FILCOTEN pro 300				

¹⁾ Delivery time on request



Front adaptor plate



Extension to increase the height of a sump unit

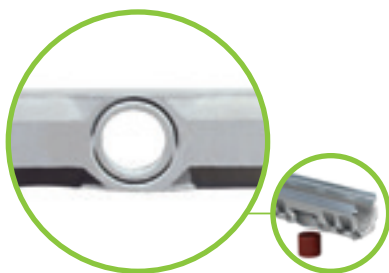
References





FILCOTEN[®]tec/pro

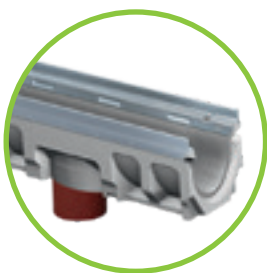
Accessories



Prefabricated outlet opening
DN 100 (NW 100), DN 150
(NW 150) and DN 200 (NW 200/300/400)



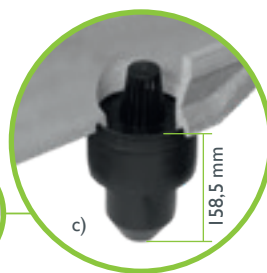
Positioning of outlet opening: channel end to outlet centre = 250 mm



Bottom outlet made of PVC
sewer pipes - on site installation



a) Odour trap for bottom outlet
consisting of 3 parts
b) Outlet pipe of foul-air trap is
inserted into outlet opening
from below before installation.



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



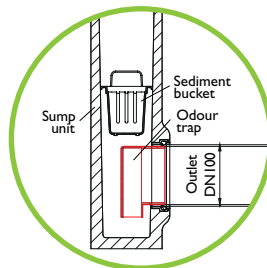
FILCOTEN[®] sump units tec/
pro, L=500 mm, to fit NW



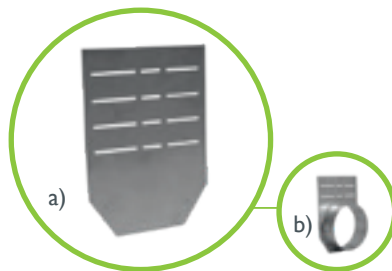
Sediment bucket for sump unit
made of plastic - to fit NW –
acts as a dirt trap



Retrofittable odour trap for sump unit DN 100 or 150
Installation: Insert the odour trap from the inside and connect
with the sewage pipe



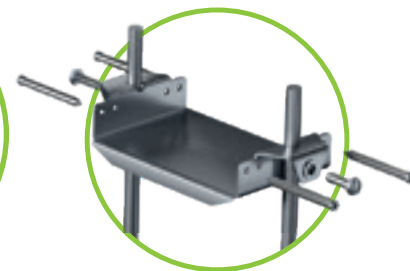
Odour trap made of PVC bends
suitable for sump units with outlets
DN 150 or 200



FILCOTEN[®] tec/pro
a) Front- /end cap
b) End cap with outlet



Front- /end cap
FILCOTEN[®] tec/pro mini



Installation chairs
made of galvanised
steel, to fit NW



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.



Detailed description on page 47



Bolting kits for FCT pro
(to be ordered separately) -
consisting of:

1 pc. bolt, 1 pc. nut
galvanised or stainless steel

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



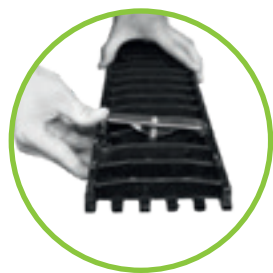
M8 at NW 100-200 / M10 at NW 300-400

A connection, that keeps our promises.

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

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

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



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



Step 2: Attach the grating as described for the fiX-locking below into the 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.



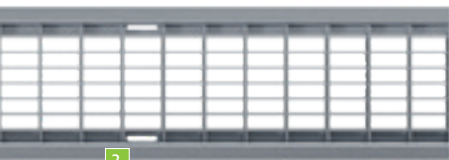
You can find a video how to use this system on: www.bg-graspointner.com/anti-vandalism_locking_device

Simply secure: the four-point fiX locking

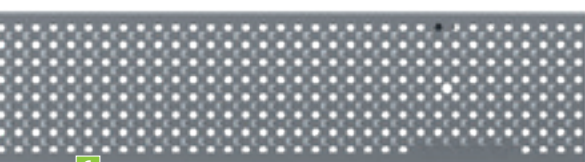
The new 'fiX-locking' enables a four-point boltless locking device for the grating in the channel. The fitting springs for each grate variant engage in the indent in the edge provided for this, and the grating is simply and securely mounted.

- 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 grate.
- When doing this, look out for the recesses in the edge in which the pins engage against longitudinal slipping.
- The fiX-locking fixes the grating in the edge. The grating can be unfastened by pulling out.
- For gratings with fiX-locking system please see product list.





The grates on the left are
beautiful & functional
 with the ones on the right
 it's **the other way round.**



FILCOTEN® light

Gratings	SW, MW, Ø 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, Heelproof	SW 2x6	
9 Ductile iron mesh grating	MW 15/25	
	MW 15/28	

FILCOTEN® tec

Gratings	SW, MW, Ø mm	
2 Slotted grating	SW 8/80	
4 Mesh grating	MW 30/10	
6 Perforated grating	Ø 6,0	
7 Slot top	SW 12,5	
8 Slot top 2S, Heelproof	SW 2x6	
16 COMBee-design grating	Ø 7,3	
10 Ductile iron elongated bar grating	MW 29/13	
15 Ductile iron slotted grating	SW 10/100	
11 Ductile iron elongated bar grating ⁵⁾	MW 29/6	

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	Ø 6,0	
7 Slot top	SW 12,5	
8 Slot top 2S, Heelproof	SW 2x6	
16 COMBee-design grating	Ø 7,3	
10 Ductile iron elongated bar grating ³⁺⁴⁾	MW 29/13	
11 Ductile iron elongated bar grating ⁵⁾	MW 29/6	
12 Ductile iron elongated bar grating, 4 point bolted	MW 22/13	
13 Ductile iron elongated bar grating ⁵⁾	MW 28/9	
15 Ductile iron slotted grating ³⁺⁴⁾	SW 14/100	
	SW 14/150	
	SW 14/200	
	SW 14/95	
	SW 14/300	
	SW 16/140	
14 Ductile iron design grating VILLE ³⁾		
15 pro/green ductile iron slotted gr.	SW 18/215	

³⁾ From NW 300 = 4 point bolted,
Gratings class F also 4 point bolted

⁴⁾ incl. fiX self-locking system

⁵⁾ narrow slot width



	NW100	NW150	NW200	NW300	Load class ¹⁾	Material ²⁾
	3				A	galv./stainl. steel
		3			A	galvanised steel
	3				B	galv./stainl. steel
		3			B	galvanised steel
	3				B	galv./stainl. steel
	3	3			C	galv./stainl. steel
	3	3			C	galv./stainl. steel
	3				C	ductile iron, KTL
		3			C	ductile iron

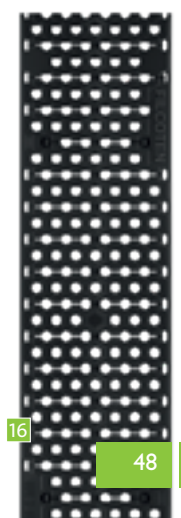
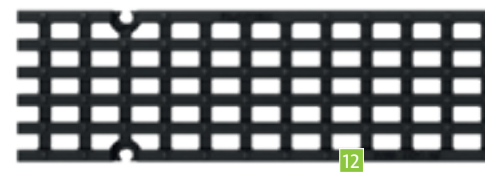
	NW100	NW150	NW200	NW300	Load class ¹⁾	Material ²⁾
	3				A, C	galv./stainl. steel
	3	3	3		B	galvanised steel
	3	3	3		C	galv./stainl. steel
	3				A, C	galv./stainl. steel
			3		C	galv./stainl. steel
	3				B	galvanised steel
	3	3			C	galv./stainl. steel
	3	3			C	galv./stainl. steel
	3				B, C	plastic
	3	3	3		C	ductile iron
	3				B	ductile iron
	3				C	ductile iron

	NW100	NW150	NW200	NW300	Load class ¹⁾	Material ²⁾
	3				C	galv./stainl. steel
	3	3	3		C	galv./stainl. steel
				3	C	galvanised steel
	3				D	galv./stainl. steel
		3	3		D	galvanised steel
	3		3		C	galv./stainl. steel
	3	3			C	galv./stainl. steel
	3	3			C	galv./stainl. steel
	3				C	plastic
	3	3	3		C, D	ductile iron
				3	D, E	ductile iron
	3				C	ductile iron
	3	3	3		E	ductile iron
	3	3			D	ductile iron
	3				E, F	ductile iron
		3			D, E, F	ductile iron
			3		D, E	ductile iron
			3		F	ductile iron
				3	D	ductile iron
				3	F	ductile iron
	3	3	3	3	E	ductile iron
	NW 400				E	ductile iron

¹⁾ Load class as per EN 1433:

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

²⁾ Material: KTL: cathodic dip painting, coated ductile iron



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

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

Made from one piece, brilliantly simple.

We have invested a lot of work – and the investment has 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 combines excellent properties with sustainability. Therefore, the new FILCOTEN®one is a class of its own when it comes to environmental friendliness. 100% recyclability, certified absence of harmful substances and extremely low greenhouse gas emission levels are beneficial for both humans and the environment.

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 insertable sealing profile

Highly efficient flume

- 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

Easy-to-handle sealing system

- 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



GRASPOINTNER
Sustainable innovation.

Optimized inflow openings

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

Cyclist- and pedestrian-friendly

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

Monolithic structure

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

Verified LCA¹⁾ (Life Cycle Assessment)

- low greenhouse gas emission levels
- produced using exclusively green power
- resource-efficient production process



www.bg-graspoinetner.com/FILCOTEN_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

Integrates fully with the surrounding environment

Fine finished concrete structure and surface.

One solution for all kinds of applications.

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.

An overview of applications:

- industrial spaces
- logistic centers
- airports
- highway median strips
- temporary highway crossings due to construction
- railway crossings
- roundabouts
- harbours
- parking facilities
- asphalt surfaces

¹⁾ According to ISO 14040, ISO 14044, EN 15804 | ²⁾ No use of synthetic resins

Well thought-out elements make an outstanding system.

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

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 cast iron grating
- edge and grating, cathodic dip-coated
- 4-point bolting
- class F900



Basic channel NW200, NW150

- standard construction height no. 0
- total length of element 1.000 mm

Revision element

- maintenance access in the style of the channel run
- cast iron grating in S-design, 4-point bolting
- total length of element 1.000 mm
- with or without outlet



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Sustainable innovation.



Front/end 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 run with socket DN 200 (KG-coupling)

Easy access

- simple cleaning of the outlet unit
- large drain hole in channel bottom for attaching the sediment bucket
- total length 1.000 mm

Adapter cap

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

Retention & stepped slope

- 40-0 height (20 cm higher than no. 0)
- for higher hydraulic requirements
- longer channel runs possible up to one outlet point
- for retention (additional volume: 40 l/m)

Load class D400 – F900

Outlet unit

- socket DN 200 (KG-coupling)
- tight connection of pipework

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



www.bg-graspointner.com/FILCOTEN_one_video

¹⁾ in accordance with the guidelines of the Austrian Construction Materials Recycling Association | ²⁾ Institute for Building Biology Rosenheim



FILCOTEN[®] one

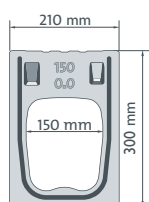
up to class F900

FILCOTEN[®] one, nominal width 150 mm

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

Item no.	monolithic channel body up to cl. F – without slope	Weight
15015100	FILCOTEN one NW 150 no. 0, L=1000 mm, SW 23/52 mm	76,6 kg
15015168	FILCOTEN one NW 150 no. 40-0, L=1000 mm, SW 23/52 mm	107,5 kg

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

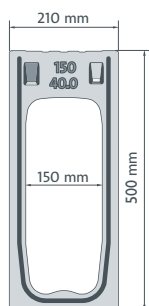


Accessories

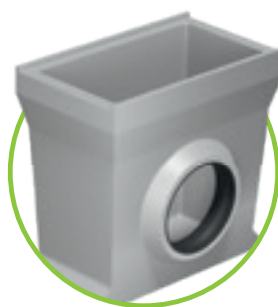
for FILCOTEN[®] one, nominal width 150

Item no.	Accessories	Weight
15015180	Maintenance unit with ductile iron grating, no. 0, L = 1000 mm ¹⁾	83 kg
15015188	Maintenance unit with ductile iron grating, no. 40-0, L = 1000 mm ¹⁾	111 kg
30001	Additional charge for maintenance unit with outlet DN 150	
15015170	Outlet unit upper part, with ductile iron grating, no. 0, L = 1000 mm ¹⁾	79 kg
15015178	Outlet unit upper part, with ductile iron grating, no. 40-0, L = 1000 mm ¹⁾	108 kg
19115095	Outlet unit lower part, outlet DN 150	32,8 kg
22510	BG sediment bucket for sump unit, plastic	0,4 kg
30030	BG odour trap made of PVC bends DN 150/87°, plastic	3,9 kg
19115100	Front /end cap, no. 0 , without outlet	7,2 kg
19115108	Front /end cap, no. 40-0, without outlet	11,4 kg
19115110	End cap with outlet, no. 0, outlet DN 150	5,2 kg
19115118	End cap with outlet, no. 40-0, outlet DN 150	10 kg
19115157	Adapter cap for stepped slope no. 0 / 40-0	9,1 kg
19115900	Lifting-hook (consisting of 2 pcs.) for FILCOTEN one NW 150, painted green	1,9 kg
19000701	Profile for joint sealing, no. 0, L= 630 mm ²⁾	
19000702	Profile for joint sealing, no. 40-0, L= 1040 mm ²⁾	

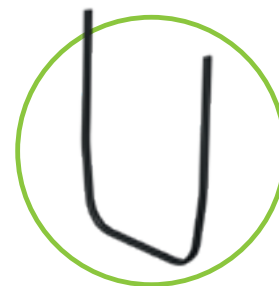
¹⁾ cl. F 900 type M, Set of monolithic channel, cast-iron edge and bolted ductile iron grating



Outlet or maintenance unit
with ductile iron grating



Outlet unit -
lower part



²⁾ Is a joint sealing profile required?
Please contact our Service-Team.



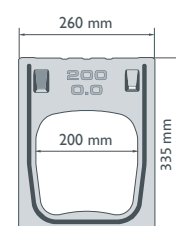
Lifting-hook (consisting of 2 pcs.)
for FILCOTEN one NW 150,
painted green

FILCOTEN® one, nominal width 200 mm

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

Item no.	monolithic channel body up to cl. F – without slope	Weight
15020100	FILCOTEN one NW 200 no. 0, L=1000 mm, SW 23/70 mm	99 kg
15020168	FILCOTEN one NW 200 no. 40-0, L=1000 mm, SW 23/70 mm	131,5 kg

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

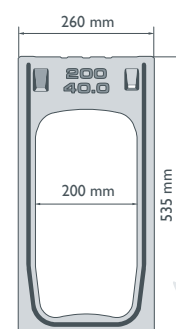


Accessories

for FILCOTEN® one, nominal width 200

Item no.	Accessories	Weight
15020180	Maintenance unit with ductile iron grating, no. 0, L = 1000 mm ¹⁾	101 kg
15020188	Maintenance unit with ductile iron grating, no. 40-0, L = 1000 mm ¹⁾	133 kg
30002	Additional charge for maintenance unit with outlet DN 200	
15020170	Outlet unit upper part, with ductile iron grating, no. 0, L = 1000 mm ¹⁾	96 kg
15020178	Outlet unit upper part, with ductile iron grating, no. 40-0, L = 1000 mm ¹⁾	128 kg
19120095	Outlet unit lower part, outlet DN 200	35,5 kg
22511	BG sediment bucket for sump unit, plastic	0,7 kg
30040	BG odour trap made of PVC bends DN 200/87°, plastic	7,4 kg
19120100	Front /end cap, no. 0, without outlet	13 kg
19120108	Front /end cap, no. 40-0, without outlet	21 kg
19120110	End cap with outlet, no. 0, outlet DN 200	8,5 kg
19120118	End cap with outlet, no. 40-0, outlet DN 200	16,5 kg
19120157	Adapter cap for stepped slope no. 0 / 40-0	12,5 kg
19120900	Lifting-hook (consisting of 2 pcs.) for FILCOTEN one NW 200, painted black	2,1 kg
19000703	Profile for joint sealing, no. 0, L= 750 mm ²⁾	
19000704	Profile for joint sealing, no. 40-0, L= 1130 mm ²⁾	

¹⁾ cl. F 900 type M, Set of monolithic channel, cast-iron edge and bolted ductile iron grating



End cap
with outlet



Front /end cap
without outlet



Adapter cap for
stepped fall no. 0 / 40-0



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

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

Our concrete channels are true all-rounders; just like the Austrian brown bear, they can adapt to practically any terrain. And like this powerful yet nimble beast, they impress with top durability and an impressive performance record. Our concrete channels offer:

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

The right product for every application:

• BG standard channels

This channel is very well-suited for private use: it is also a good solution for more demanding public applications, such as in pedestrian areas or squares; solid, sturdy concrete body; inlay mesh and ductile iron grating; locking system with patented and retaining clamps; load class: C 250 kN

• 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 edges embedded in concrete; gratings can be bolted up to eight bolts per metre; locking device kit can be replaced at any time.

• BG-SI safety channels

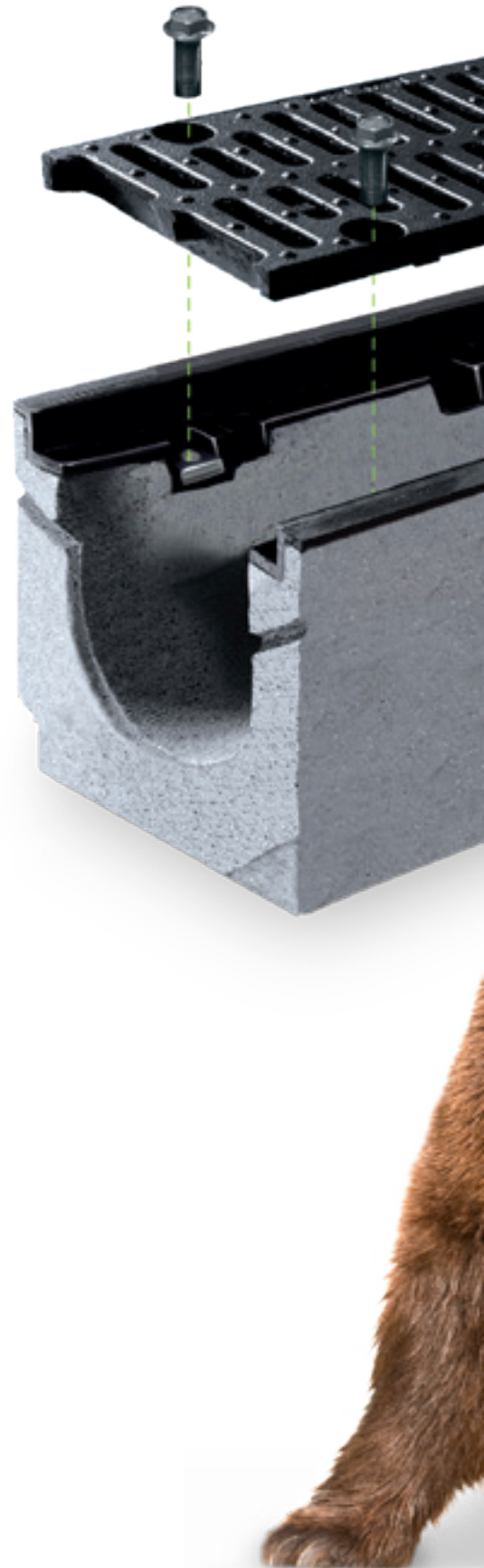
Our ultimate load bearing channel for airport terminals: a solid concrete body with appropriate armouring allows this channel to effortlessly withstand the forces exerted by aircraft during taxiing and braking.

• BG-GATIC Slotdrain

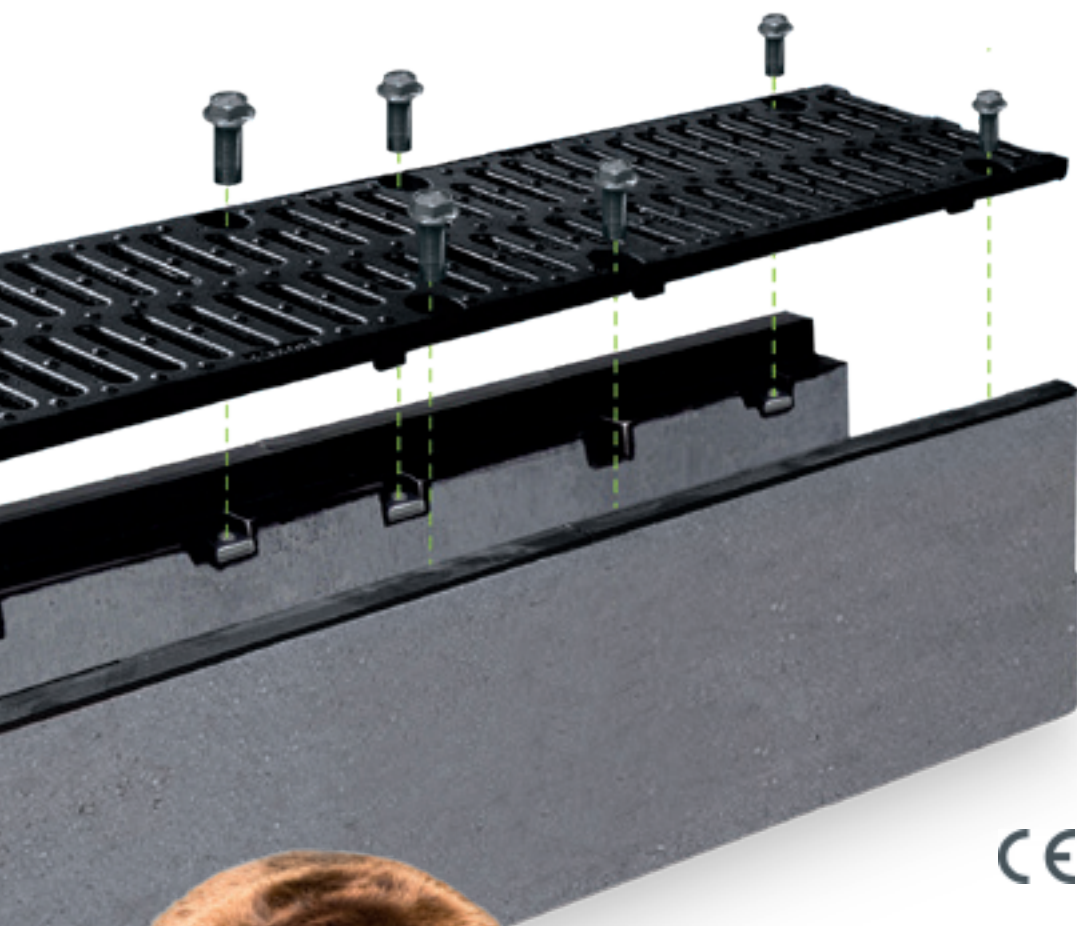
BG-GATIC Slotdrain is an innovative system that combines high-performance line drainage and effective retention – for the ultimate hydraulic requirements under extreme conditions (up to class F900). Due to the different sizes of the hexagonal profile of NW 100 up to NW 600, large quantities of rain water can be absorbed and safely drained off.



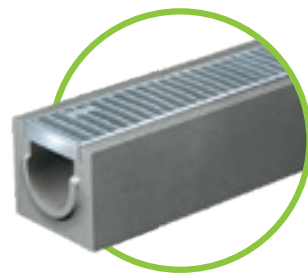
Technical data: www.bg-graspoinetner.com/CONCRETE_CHANNELS



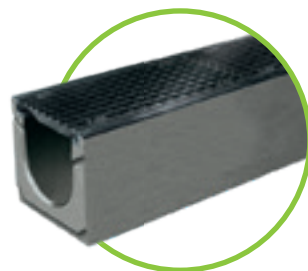
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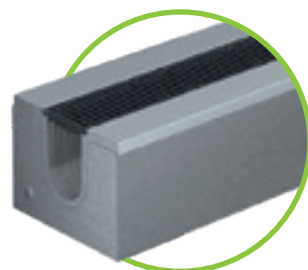
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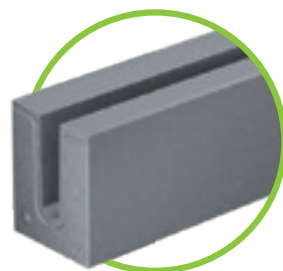
BG standard channels
up to class C | page 58-59



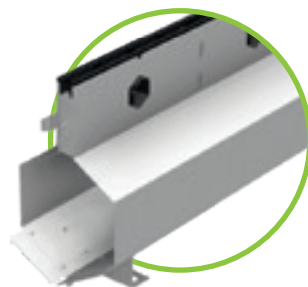
BGZ-S heavy-duty channels
up to class F | page 60-63



BG-SI safety channels
up to class F | page 66



BG-SL slot channels
page 66

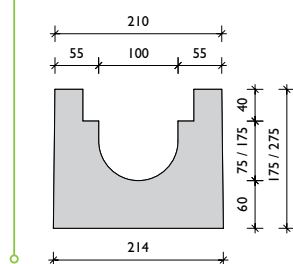
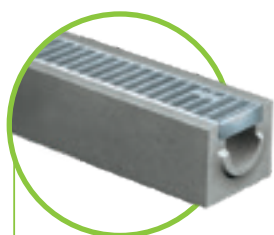


BG-GATIC Slotdrain
up to class F | page 70 - 73



BG standard channels

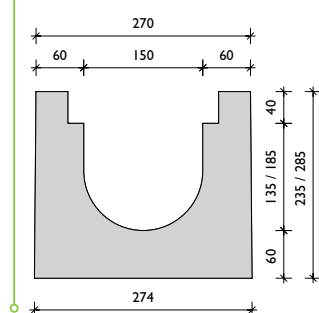
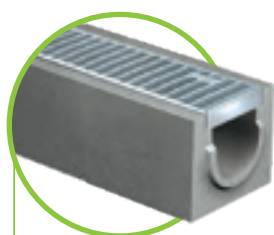
up to class C250



BG standard channels, nominal width 100

Concrete channels without edges up to class C, inserted mesh- or ductile iron gratings

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
10000	BG standard channel NW 100, no. 0	0,0 %	59 kg	20
10002	BG standard channel NW 100, no. 10-0	0,0 %	83 kg	10
30000	Additional charge for channels with outlet DN 100			
Item no.	Gratings	Load class	Weight	Pc./pallet
10048	BG mesh grating 1000/140/40, MW 30/10	C 250 kN	4,5 kg	200
10049	BG mesh grating 500/140/40, MW 30/10	C 250 kN	2,4 kg	24
10054	BG ductile iron grating 500/140/40, SW 16/100	D 400 kN	6,1 kg	120
Item no.	Accessories	Material	Weight	Pc./pallet
10056	BG sump unit 500/214/560	concrete	84 kg	10
22510	BG sediment bucket for sump unit	plastic	0,4 kg	
30030	BG odour trap made of PVC bends DN 150/87°	plastic	3,9 kg	
30019	BG drain trap for bottom outlet DN 100	plastic	0,2 kg	
10059	BG front cap	concrete	4,5 kg	
10058	BG end cap	concrete	4,5 kg	
10057	BG end cap with outlet DN 100	concrete	5,4 kg	
32000-I	BG interlocking clip for mesh gratings MW 30/10	galvanised steel	0,1 kg	
32001	BG interlocking clip for ductile iron gratings	black coated	0,1 kg	
32004	BG interlocking bracket (bolted) for ductile iron gratings	black coated	0,3 kg	

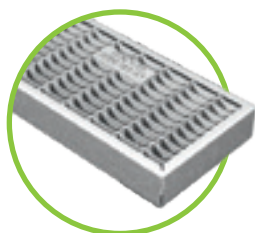


BG standard channels, nominal width 150

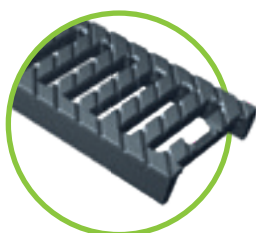
Concrete channels without edges up to class C, inserted mesh- or ductile iron gratings

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
10062	BG standard channel NW 150, no. 0	0,0 %	89 kg	12
10064	BG standard channel NW 150, no. 10-0	0,0 %	103 kg	8
30001	Additional charge for channels with outlet DN 150			
Item no.	Gratings	Load class	Weight	Pc./pallet
10094	BG mesh grating 1000/190/40, MW 30/10	C 250 kN	8,3 kg	150
10095	BG mesh grating 500/190/40, MW 30/10	C 250 kN	4,2 kg	16
10101	BG ductile iron grating 500/192/40, SW 18/145	D 400 kN	8,4 kg	100
Item no.	Accessories	Material	Weight	Pc./pallet
10104	BG sump unit 500/274/570	concrete	101 kg	8
10108	BG sediment bucket for sump unit	galvanised steel	1,6 kg	
30030	BG odour trap made of PVC bends DN 150/87°	plastic	3,9 kg	
10107	BG front cap	concrete	6,2 kg	
10106	BG end cap	concrete	6,2 kg	
10105	BG end cap with outlet DN 150	concrete	6,3 kg	
32000-I	BG interlocking clip for mesh gratings MW 30/10	galvanised steel	0,1 kg	
32001	BG interlocking clip for ductile iron gratings	black coated	0,1 kg	
32004	BG interlocking bracket (bolted) for ductile iron gratings	black coated	0,3 kg	

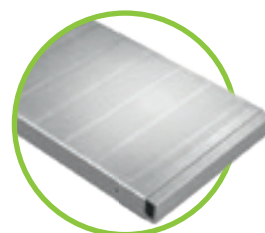
Gratings: BG standard channels NW 100, 150, 200



Mesh gratings MW 30/10
cl. C
for all NW



Ductile iron gratings
cl. D
for all NW



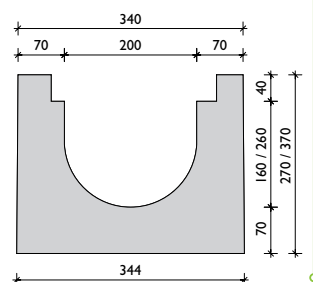
Special gratings for grain silos
Ø 1,5 mm
for NW 200

BG standard channels, nominal width 200

Concrete channels without edges up to class C, inserted mesh- or ductile iron gratings

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
I0109	BG standard channel NW 200, no. 0, height 270 mm	0,0 %	126 kg	9
I0110	BG standard channel NW 200, no. 10-0, height 370 mm	0,0 %	158 kg	6
30002	Additional charge for channels with outlet DN 200			
Item no.	Gratings	Load class	Weight	Pc./pallet
I0125	BG mesh grating 1000/260/40, MW 30/10	C 250 kN	11,0 kg	100
I0126	BG mesh grating 500/260/40, MW 30/10	C 250 kN	5,5 kg	12
I0117	BG ductile iron grating 500/260/40, SW 18/215	D 400 kN	10,9 kg	60
34007	BG special grating for grain silo 1000/261/37, Ø 1,5 mm ¹⁾	wheel load 6 t	14,4 kg	60
Item no.	Accessories	Material	Weight	Pc./pallet
I0118	BG sump unit 500/344/600	concrete	119 kg	6
I0122	BG sediment bucket for sump unit	galvanised steel	2,0 kg	
30040	BG odour trap made of PVC bends DN 200/87°	plastic	7,4 kg	
I0121	BG front cap	concrete	8,5 kg	
I0120	BG end cap	concrete	8,5 kg	
I0119	BG end cap with outlet DN 200	concrete	7,9 kg	
32000-I	BG interlocking clip for mesh gratings MW 30/10	galvanised steel	0,1 kg	
32001	BG interlocking clip for ductile iron gratings	black coated	0,1 kg	
32004	BG interlocking bracket (bolted) for ductile iron gratings	black coated	0,3 kg	

¹⁾ Delivery time on request



FILCOTEN®

Concrete channels

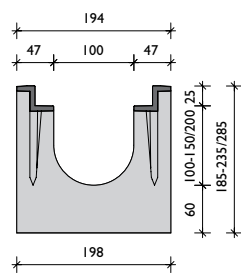
References





BGZ-S heavy-duty channels SV

up to class F900



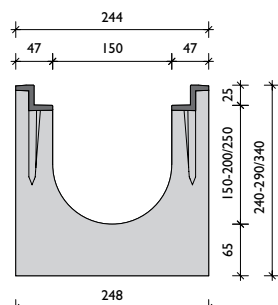
incl. cast iron edges

BGZ-S SV G incl. cast iron edges, nominal width 100

Channel with cast iron edges up to cl. F and SV rapid locking system or 4-point bolted grating

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
16500	BGZ-S heavy-duty channel SV G NW 100, no. 0	0,0 %	63 kg	15
16530	BGZ-S heavy-duty channel SV G NW 100, no. 0, L = 500 mm	0,0 %	32 kg	
16501-02	BGZ-S heavy-duty channel SV G NW 100, no. 5-0, 10-0	0,0 %	68 / 73 kg	15
16504	BGZ-S heavy-duty channel SV G NW 100, no. 20-0	0,0 %	83 kg	10
30000	Additional charge for channels with outlet DN 100			
16510-19	BGZ-S heavy-duty channel SV G NW 100, no. 1 to no. 10	0,5 %	64 - 73 kg	15
Item no.	Gratings with SV rapid locking system	Load class	Weight	Pc./pallet
23250	BG-SV mesh grating 1000/147/25, MW 30/10	D 400 kN	6,4 kg	120
23251	BG-SV mesh grating 500/147/25, MW 30/10	D 400 kN	3,3 kg	
23102	BG-SV ductile iron grating 500/147/25, SW 18/120	D 400 kN	4,0 kg	120
22756	BG-SV ductile iron elongated bar grating 500/147/25, MW 27/13	E 600 kN	4,3 kg	120
Item no.	Gratings incl. locking device kit 4-times	Load class	Weight	Pc./pallet
22757	BGZ-S ductile iron elongated bar grating 500/147/25, MW 27/13	E 600 kN	4,3 kg	120
22053	BGZ-S ductile iron grating 500/147/25, SW 16/120	F 900 kN	5,4 kg	120
22059	BGZ-S ductile iron grating 500/147/25, closed cover ¹⁾	F 900 kN	7,7 kg	120
Item no.	Accessories	Material	Weight	Pc./pallet
22200	BGZ-S sump unit SV G 500/211/510 with pipe fair lead DN 150	concrete	67 kg	10
22510	BG sediment bucket for sump unit	plastic	0,4 kg	
30030	BG odour trap made of PVC bends DN 150/87°	plastic	3,9 kg	
30019	BG drain trap for bottom outlet DN 100	plastic	0,2 kg	
31310	Forsheda-gasket for bottom outlet DN 100	elastomer	0,4 kg	
22220	BG-SV front-/end cap	galvanised steel	0,4 kg	
22221	BG-SV end cap with outlet DN 100	galvanised steel	0,5 kg	
22280	BG-SV locking device kit for mesh gratings (1 pc bolt, 1 pc nut)			
22281	BG-SV locking device kit for ductile iron gratings (1 pc bolt, 1 pc nut)			

(For gratings up to class D - 4 pcs. required per m l for ductile iron gratings cl. E and cl. F - 8 pcs. required per m)



incl. cast iron edges

BGZ-S SV G incl. cast iron edges, nominal width 150

Channel with cast iron edges up to cl. F and SV rapid locking system or 4-point bolted grating

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
16600	BGZ-S heavy-duty channel SV G NW 150, no. 0	0,0 %	86 kg	12
16630	BGZ-S heavy-duty channel SV G NW 150, no. 0, L = 500 mm	0,0 %	43 kg	
16601-02	BGZ-S heavy-duty channel SV G NW 150, no. 5-0, no. 10-0	0,0 %	91 / 96 kg	12
16604	BGZ-S heavy-duty channel SV G NW 150, no. 20-0	0,0 %	105 kg	8
30001	Additional charge for channels with outlet DN 150			
16610-19	BGZ-S heavy-duty channel SV G NW 150, no. 1 to no. 10	0,5 %	87 - 95 kg	12
Item no.	Gratings with SV rapid locking system	Load class	Weight	Pc./pallet
23260	BG-SV mesh grating 1000/197/25, MW 30/10	D 400 kN	10,2 kg	100
23261	BG-SV mesh grating 500/197/25, MW 30/10	D 400 kN	5,3 kg	
22066	BG-SV ductile iron grating 500/197/25, SW 18/170	D 400 kN	6,5 kg	100
22764	BG-SV ductile iron elongated bar grating 500/197/25, MW 27/13	E 600 kN	7,3 kg	100
Item no.	Gratings incl. locking device kit 4-times	Load class	Weight	Pc./pallet
22765	BGZ-S ductile iron elongated bar grating 500/197/25, MW 27/13	E 600 kN	7,3 kg	100
22063	BGZ-S ductile iron grating 500/197/25, SW 15/75	F 900 kN	11,4 kg	100
Item no.	Accessories	Material	Weight	Pc./pallet
22201	BGZ-S sump unit SV G 500/261/690 with pipe fair lead DN 150	concrete	95 kg	8
22511	BG sediment bucket for sump unit	plastic	0,7 kg	
30030	BG odour trap made of PVC bends DN 150/87°	plastic	3,9 kg	
31311	Forsheda-gasket for bottom outlet DN 150	elastomer	0,5 kg	
22230	BG-SV front-/end cap	galvanised steel	0,6 kg	
22231	BG-SV end cap with outlet DN 150	galvanised steel	0,7 kg	
22280	BG-SV locking device kit for mesh gratings (1 pc bolt, 1 pc nut)			
22281	BG-SV locking device kit for ductile iron gratings (1 pc bolt, 1 pc nut)			

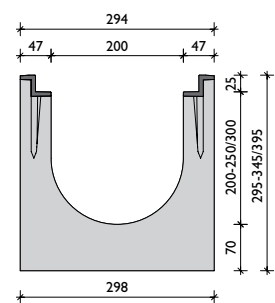
(For gratings up to class D - 4 pcs. required per m l for ductile iron gratings cl. E and cl. F - 8 pcs. required per m)

¹⁾ Delivery time on request

BGZ-S SV G incl. cast iron edges, nominal width 200

Channel with cast iron edges up to cl. F and SV rapid locking system or 4-point bolted grating

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
16700	BGZ-S heavy-duty channel SV G NW 200, no. 0	0,0 %	114 kg	8
16716	BGZ-S heavy-duty channel SV G NW 200, no. 0, L = 500 mm	0,0 %	57 kg	
16701-02	BGZ-S heavy-duty channel SV G NW 200, no. 5-0, no. 10-0	0,0 %	119 / 124 kg	8
16727	BGZ-S heavy-duty channel SV G NW 200, no. 20-0	0,0 %	134 kg	8
30002	Additional charge for channels with outlet DN 200			
16706-15	BGZ-S heavy-duty channel SV G NW 200, no. 1 to no. 10	0,5 %	115 - 124 kg	8
Item no.	Gratings with SV rapid locking system	Load class	Weight	Pc./pallet
23270	BG-SV mesh grating 1000/247/25, MW 30/10	D 400 kN	16,0 kg	60
23271	BG-SV mesh grating 500/247/25, MW 30/10	D 400 kN	8,2 kg	60
22079	BG-SV ductile iron grating 500/247/25, SW 18/220	D 400 kN	8,2 kg	60
22774	BG-SV ductile iron elongated bar grating 500/247/25, MW 27/13	E 600 kN	9,1 kg	60
Item no.	Gratings incl. locking device kit 4-times	Load class	Weight	Pc./pallet
22775	BGZ-S ductile iron elongated bar grating 500/247/25, MW 27/13	E 600 kN	9,1 kg	60
22073	BGZ-S ductile iron grating 500/247/25, SW 16/220	F 900 kN	11,1 kg	60
22078	BGZ-S ductile iron grating 500/247/25, closed cover ¹⁾	F 900 kN	16,8 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	BG sediment bucket for sump unit	plastic	0,7 kg	
30040	BG odour trap made of PVC bends DN 200/87°	plastic	7,4 kg	
31312	Forsheda-gasket for bottom outlet DN 200	elastomer	0,6 kg	
22240	BG-SV front-/end cap	galvanised steel	0,7 kg	
22241	BG-SV end cap with outlet DN 200	galvanised steel	0,9 kg	
22280	BG-SV locking device kit for mesh gratings (1 pc bolt, 1 pc nut)			
22281	BG-SV locking device kit for ductile iron gratings (1 pc bolt, 1 pc nut)			
(For gratings up to class D - 4 pcs. required per m l for ductile iron gratings cl. E and cl. F - 8 pcs. required per m)				

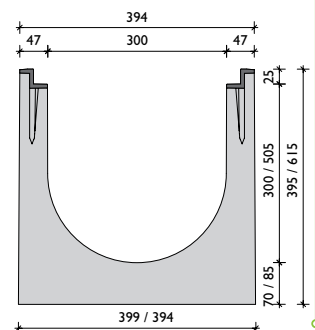
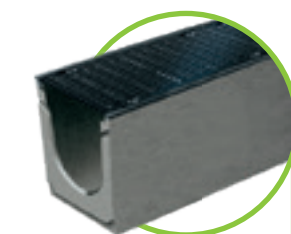


incl. cast iron edges

BGZ-S SV G incl. cast iron edges, nominal width 300

Channel with cast iron edges up to cl. F and SV rapid locking system or 4-point bolted grating

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
16800	BGZ-S heavy-duty channel SV G NW 300, no. 0	0,0 %	169 kg	6
16830	BGZ-S heavy-duty channel SV G NW 300, H= 615 mm, L = 2500 mm	0,0 %	640 kg	2
16831	BGZ-S heavy-duty channel SV G NW 300, H= 615 mm, L = 1000 mm	0,0 %	256 kg	2
30002	Additional charge for channels with outlet DN 200			
Item no.	Gratings with SV rapid locking system	Load class	Weight	Pc./pallet
22184	BG-SV mesh grating 1000/347/25, MW 30/10	C 250 kN	23,6 kg	30
22185	BG-SV mesh grating 500/347/25, MW 30/10	C 250 kN	12,2 kg	30
23180	BG-SV ductile iron grating 500/347/25, SW 18/150	D 400 kN	15,2 kg	30
22784	BG-SV ductile iron elongated bar grating 500/347/25, MW 25/14 ¹⁾	E 600 kN	16,5 kg	30
Item no.	Gratings incl. locking device kit 4-times	Load class	Weight	Pc./pallet
22785	BGZ-S ductile iron elongated bar grating 500/347/25, MW 25/14	E 600 kN	16,5 kg	30
22083	BGZ-S ductile iron grating 500/347/25, SW 16/148 ¹⁾	F 900 kN	30,9 kg	30
Item no.	Accessories	Material	Weight	Pc./pallet
22198	BGZ-S sump unit SV G 550/565/990, 2-parts with pipe fair lead DN 200	concrete	214 kg	2
22213	BG sediment bucket for sump unit	galvanised steel	3,2 kg	
30040	BG odour trap made of PVC bends DN 200/87°	plastic	7,4 kg	
31312	Forsheda-gasket for bottom outlet DN 200	elastomer	0,6 kg	
22250	BG-SV front-/end cap	galvanised steel	1,3 kg	
22251	BG-SV end cap with outlet DN 200	galvanised steel	1,2 kg	
22280	BG-SV locking device kit for mesh gratings (1 pc bolt, 1 pc nut)			
22281	BG-SV locking device kit for ductile iron gratings (1 pc bolt, 1 pc nut)			
(For gratings up to class D - 4 pcs. required per m l for ductile iron gratings cl. E and cl. F - 8 pcs. required per m)				



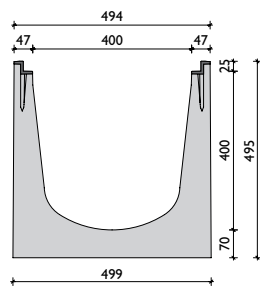
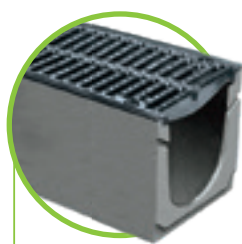
incl. cast iron edges

¹⁾ Delivery time on request



BGZ-S heavy-duty channels

up to class F900



incl. cast iron edges

BGZ-S G incl. cast iron edges, nominal width 400

Channel with cast iron edges up to cl. F, with ductile iron gratings, 4-point bolting

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
16850	BGZ-S heavy-duty channel G NW 400, no. 0	0,0 %	225 kg	4
30002	Additional charge for channels with outlet DN 200			
Item no.	Gratings incl. locking device kit 4-times	Load class	Weight	Pc./pallet
22088	BGZ-S ductile iron grating 500/447/25, SW 18/200	D 400 kN	20,5 kg	20
22090	BGZ-S ductile iron elongated bar grating 500/447/25, MW 25/14 ¹⁾	E 600 kN	27,0 kg	20
22087	BGZ-S ductile iron grating 500/447/25, SW 15/125 ¹⁾	F 900 kN	40,6 kg	20
Item no.	Accessories	Material	Weight	Pc./pallet
22194	BGZ-S sump unit G 550/565/990, 2-parts with pipe fair lead DN 200	concrete	200 kg	2
22214	BG sediment bucket for sump unit	galvanised steel	3,6 kg	
30040	BG odour trap made of PVC bends DN 200/87°	plastic	7,4 kg	
31312	Forsheda-gasket for bottom outlet DN 200	elastomer	0,6 kg	
22260	BGZ-S front-/end cap	galvanised steel	2,1 kg	
22261	BGZ-S end cap with outlet DN 200	galvanised steel	2,4 kg	
22281	BGZ-S locking device kit for ductile iron gratings (1 pc bolt, 1 pc nut) - 8 pcs. required per m)			



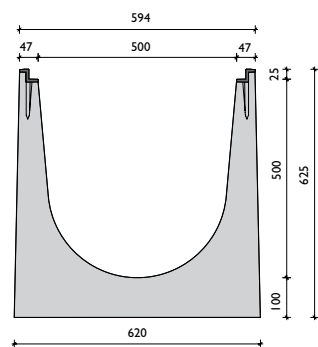
BGZ-S G incl. cast iron edges, nominal width 500

Channel with cast iron edges up to cl. F, with ductile iron gratings, 4-point bolting

Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
16903	BGZ-S heavy-duty channel G NW 500, no. 0, L = 2500 mm ¹⁾	0,0 %	880 kg	1
16901	BGZ-S heavy-duty channel G NW 500, no. 0, L = 1000 mm ¹⁾	0,0 %	360 kg	1
30002	Additional charge for channels with outlet DN 200			
Item no.	Gratings incl. locking device kit 4-times - M10	Load class	Weight	Pc./pallet
22094	BGZ-S ductile iron grating 500/547/25, SW 18/248 ¹⁾	D 400 kN	30,2 kg	20
22091	BGZ-S ductile iron grating 500/547/25, SW 18/248 ¹⁾	E 600 kN	31,0 kg	20
22092	BGZ-S ductile iron grating 500/547/25, SW 20/170 ¹⁾	F 900 kN	48,6 kg	20
Item no.	Accessories	Material	Weight	Pc./pallet
22270	BGZ-S front-/end cap	galvanised steel	3,1 kg	
22271	BGZ-S end cap with outlet DN 200	galvanised steel	3,1 kg	
31312	Forsheda-gasket for bottom outlet DN 200	elastomer	0,6 kg	
22281	BGZ-S locking device kit M10 for ductile iron gratings (1 pc bolt, 1 pc nut) - 8 pcs. required per m)			

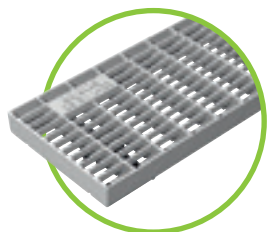
New

¹⁾ Delivery time on request



incl. cast iron edges

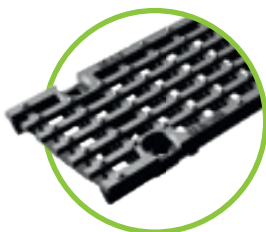
Gratings: BGZ-S heavy-duty channels NW 100, 150, 200, 300, 400, 500



Mesh grating MW 30/10,
cl. D - SV rapid locking system,
for NW 100 to 200



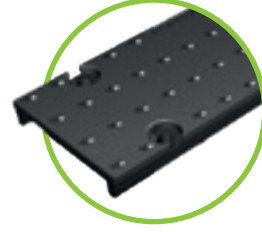
Ductile iron grating SW 18/120,
18/170, 18/220 - cl. D
SV rapid locking system,
for NW 100 to 200



Ductile iron elongated
bar grating MW 27/13
cl. E - SV rapid locking system
or 4 point bolted grating,
for NW 100 to 200



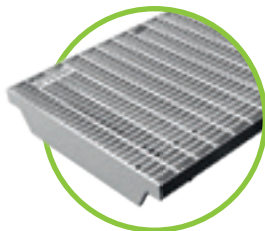
Ductile iron grating SW 16/120
or 16/220,
cl. F - 4 point bolted grating,
for NW 100 and 200



Ductile iron grating cl. F
closed cover
4 point bolted grating
for NW 100 and 200



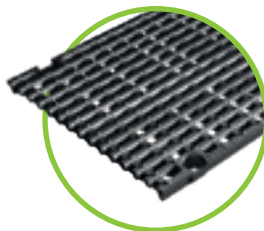
Ductile iron grating
SW 15/75 - cl. F,
4 point bolted grating,
for NW 150



Mesh grating MW 30/10,
cl. C - SV rapid locking system,
for NW 300



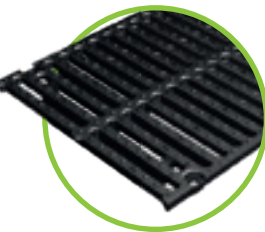
Ductile iron grating SW 18/150
cl. D - SV rapid locking system,
for NW 300



Ductile iron elongated
bar grating MW 25/14
cl. E - SV rapid locking system or
4 point bolted grating, for NW 300 -
only 4 point bolted grating for NW 400



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



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



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



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

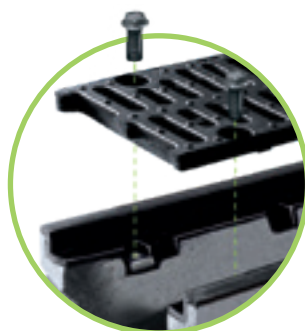


All gratings up to class D 400 kN can additionally be bolted to the SV rapid locking system!

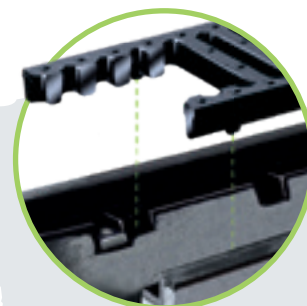
SV rapid locking system for BGZ-S heavy-duty channels.



Tension rods for
SV rapid locking system integrated



Locking device kit
can be replaced at any time

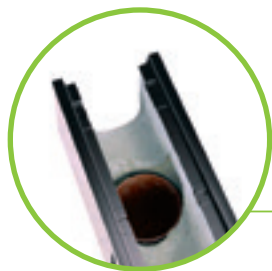


Additional protection against
longitudinal movement



Concrete channels

Accessories



Channel with outlet opening - DN same as NW - though maximum DN 200



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



Odour trap for bottom outlet consisting of 3 parts - insertable in channels with outlet opening DN 100 - not for backfitting



Forsheda-gasket for bottom outlet - only for BGZ-S heavy-duty channels



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



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



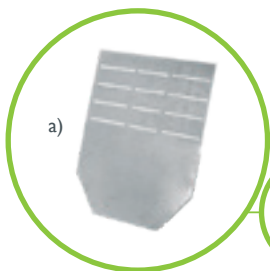
Sediment bucket for sump units for BG standard channels plastic: NW 100 galvanised steel: NW 150 and 200



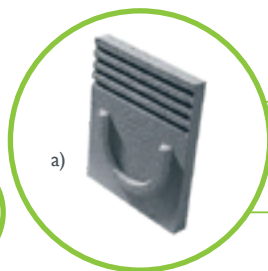
Sediment bucket for sump units for BGZ-S heavy-duty channels plastic: NW 100 - 200 galvanised steel: 2-parts sump units NW 300 and 400



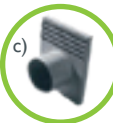
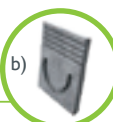
Odour trap made of PVC bends suitable for sump units with outlets DN 150 or 200



a) Front- /end cap
b) End cap with outlet for BGZ-S heavy-duty channels



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



Locking device kit M10 - for all mesh or ductile iron gratings - for BGZ-S heavy-duty channels



Adjustment of the mesh gratings with interlocking clip

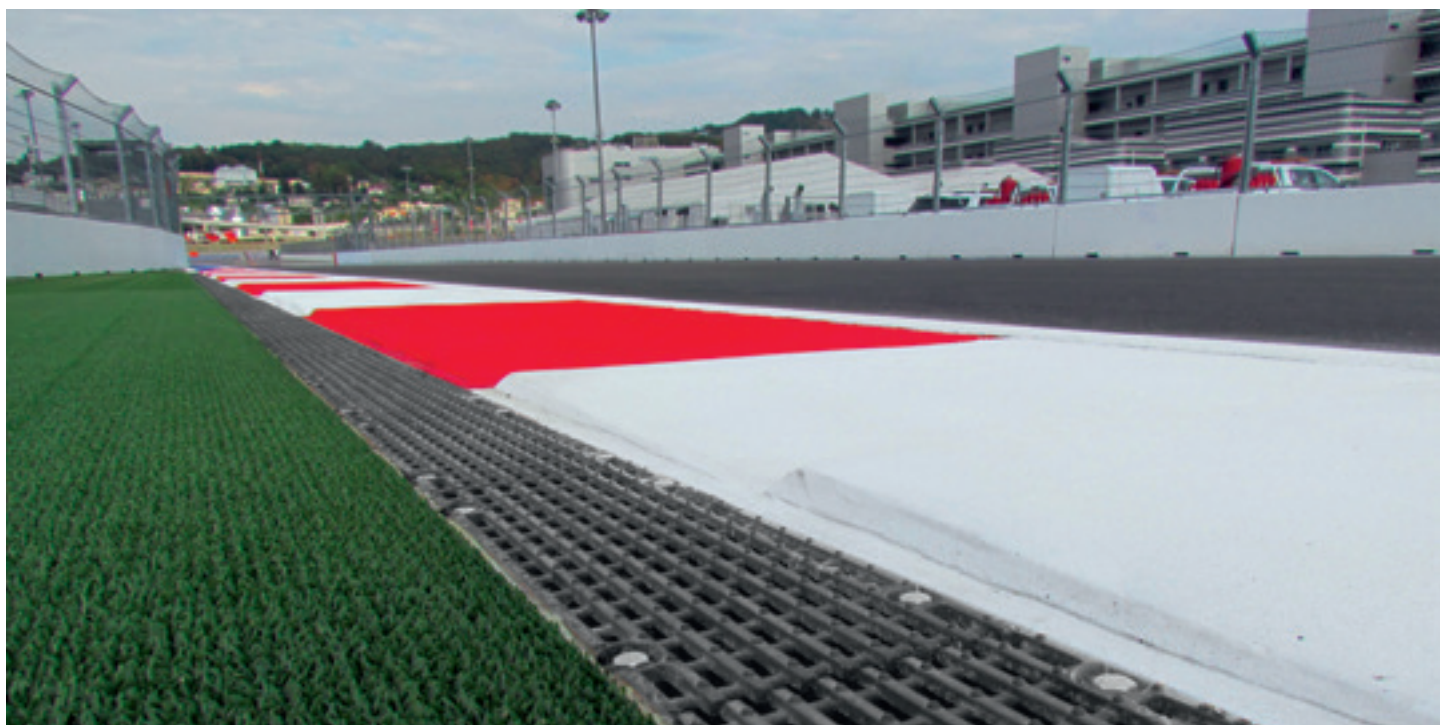


Interlocking clips or brackets (bolted) for gratings for BG standard channels



Sealing system suitable for all channels with safety joint

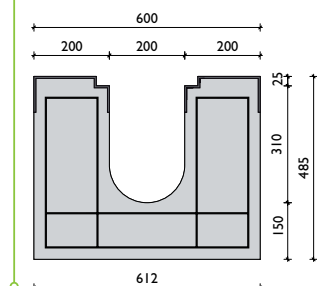
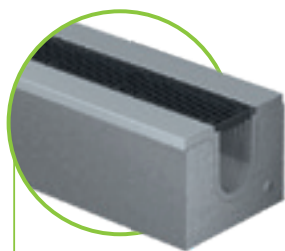
References





BG-SI safety channels BG-SL slot channels

up to class F900



incl. galvanised special shaped edges

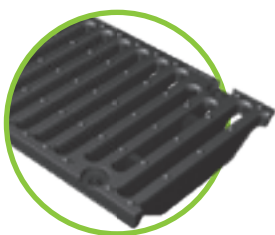
BG-SI safety channels, nominal width 200

Channel element, type I, with massive top-edge protection up to cl. F, with ductile iron gratings, 4-point bolting

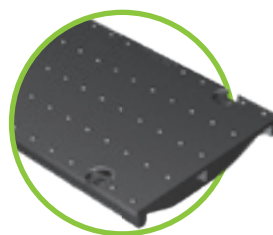
Item no.	Channel body with safety joint	Slope	Weight	Pc./pallet
20300	BG-SI safety channels NW 200, L = 2500 mm	0,0 %	560 kg/m	
20302	BG-SI safety channels NW 200, L = 1000 mm	0,0 %	560 kg/m	
20390	Additional charge for outlet 500/300			
20392	Additional charge for bottom outlet with pipe fair lead DN 200			
Item no.	Gratings incl. locking device kit 4-times - M12	Load class	Weight	Pc./pallet
22076	BG-SI ductile iron grating 500/247/25, SW 16/220	F 900 kN	11,1 kg	60
22077	BG-SI ductile iron grating 500/247/25, closed cover ¹⁾	F 900 kN	16,8 kg	60
Item no.	Accessories	L / W / H	Weight	Pc./pallet
20722	Sump unit for BG-SI safety channel NW 200	1000/600/1000	1.300 kg	
20704	Front/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)			

¹⁾ Delivery time on request

Gratings: BG-SI safety channels NW 200



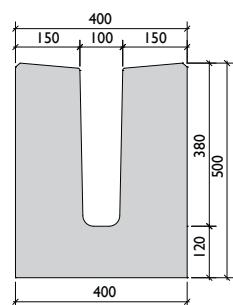
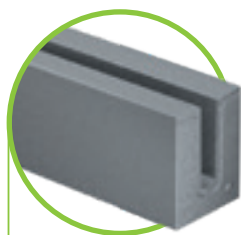
Ductile iron grating SW16/220 - cl. F, NW 200



Ductile iron grating cl. F closed cover for NW 200



Locking device kit M12 for BG-SI safety channels



BG-SL slot channels, profile U

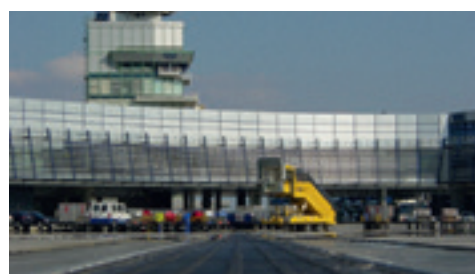
Drainage channel without grating

Item no.	Channel body	Slope	Weight	Pc./pallet
19000	BG-SL slot channel, profile U, NW 100, L = 2500 mm	0,0 %	425 kg/m	
19001	Additional charge for outlet 600 x 80 mm			
19003	Front cap for BG-SL slot channel, profile U, NW 100, galvanised steel		1,0 kg	



Please note the delivery time may be longer for this product group!

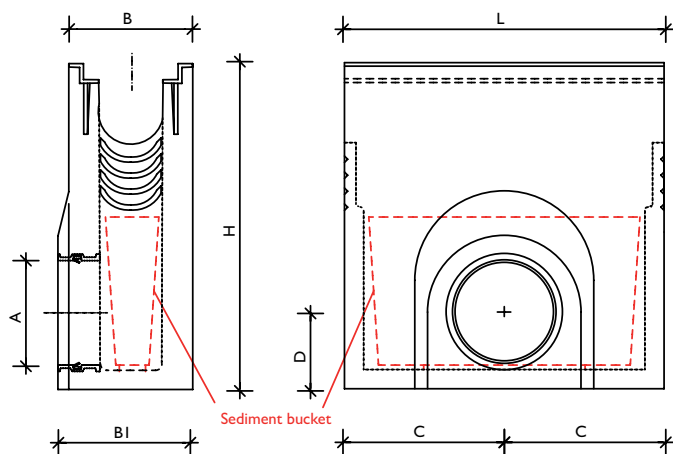
References



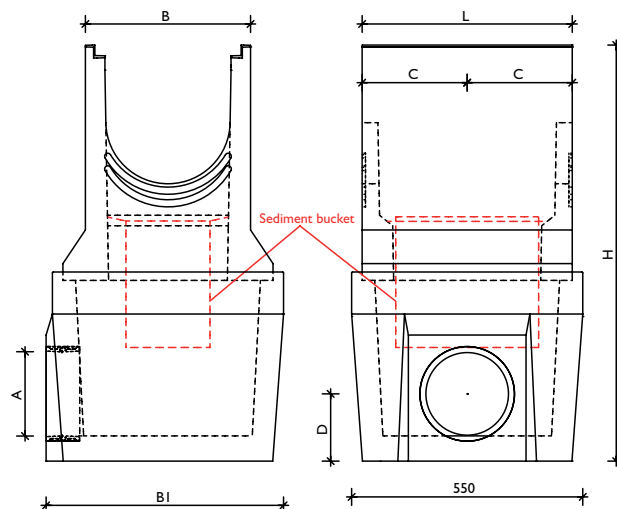


Concrete channels

Sump units

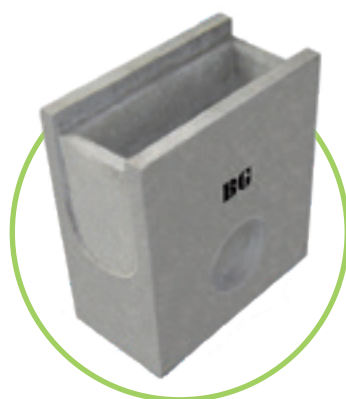


BG-sump unit, one part



BG-sump unit, two parts*

Channel type	Nominal width	Item no.	L	B	BI	H	C	D	A
BG 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
	300*	22198	500	394	565	990	250	165	RDS 200
	400*	22194	500	494	565	990	250	165	RDS 200
BG-SI safety channel	200	20722	1000	600	600	1000	500	310	RDS 200



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



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

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

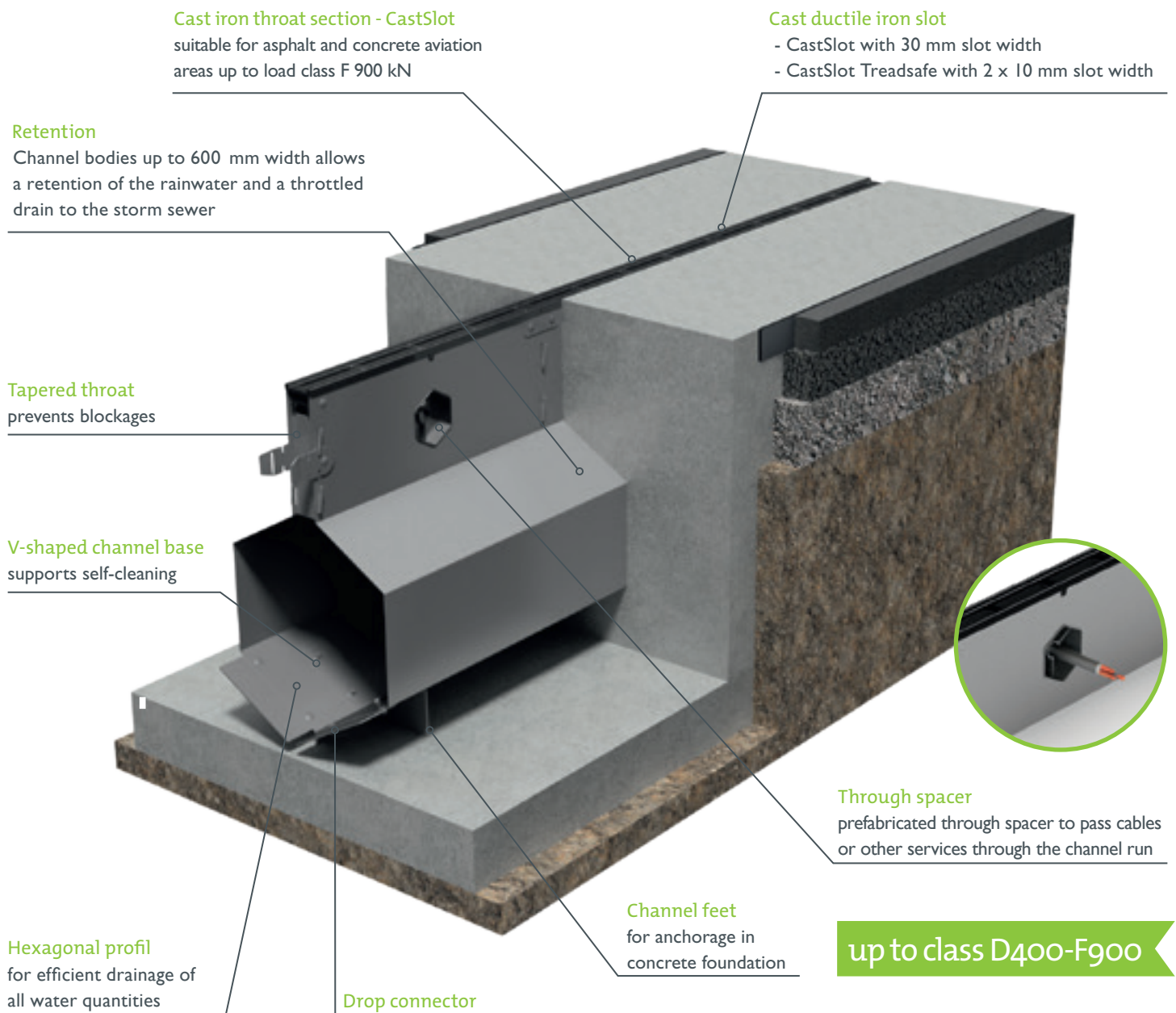
References



Always **right**, when the going gets **tough**.

Intelligent design and easy to handle.

The range of BG-GATIC slot drain includes CastSlot and UltraSlot, and together with the complementary accessories, offer total planning flexibility. All channels are manufactured from galvanised steel and are suitable for applications up to load class F900.

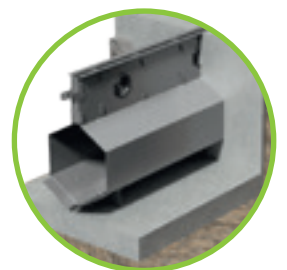


Also available without cast iron edge: UltraSlot and UltraSlot Treadsafe.

The UltraSlot channel is manufactured from galvanised steel with a galvanised steel slot with 30 mm slot width. The Treadsafe model offers a slot width of 2 x 9 mm. The top edge is folded outwards.



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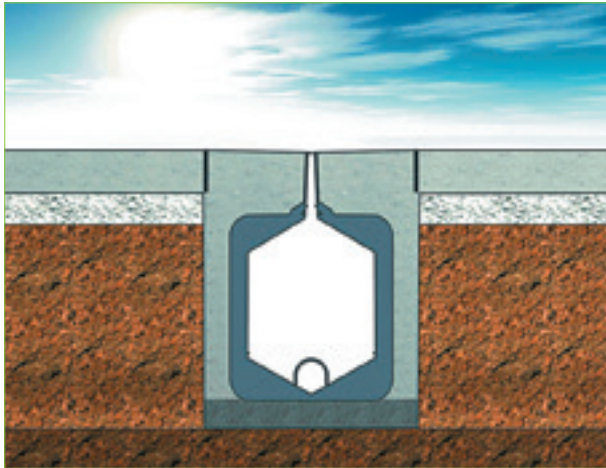


Heavy rain, large volumes of water, heavy loads,

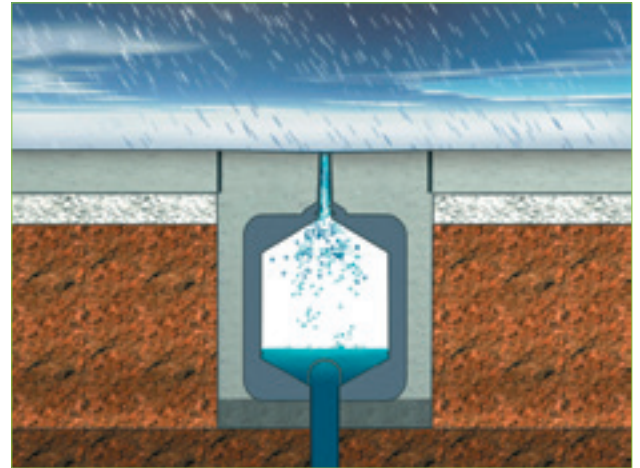
a nightmare for some but the ideal conditions for the Gatic line drainage system. Thanks to its unique technology, which combines line drainage and retention, such challenging environments are the perfect installation site for this product:

Retention

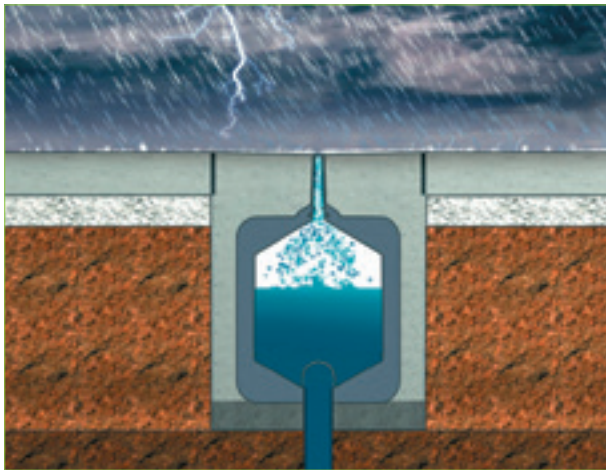
During a heavy rain event, the Slotdrain gathers the rainwater and allows only a throttled amount of water running through the flow regulator steadily. This reduces hydraulic peaks and relieves the storm sewer.



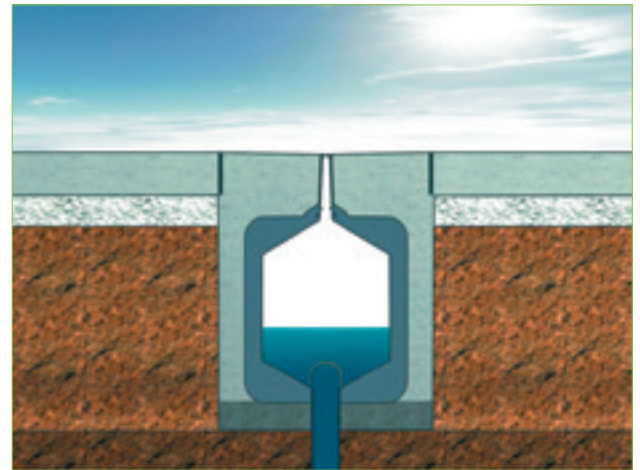
Dry weather conditions



Rainfall starts, the BG-GATIC Slotdrain begins to fill with water and discharges via the flow regulator



Water level in the BG-GATIC Slotdrain system rises with storm intensity. Outflow reaches designed regulated flow rate without flooding surrounding area.

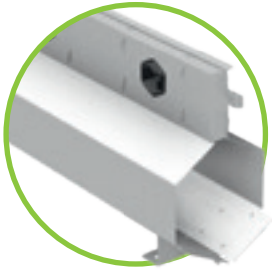


Storm ceases, controlled outflow continues and water level in the BG-GATIC Slotdrain-System falls

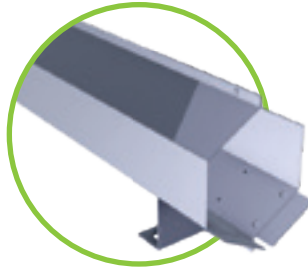
Perfectly designed to meet your requirements.

Accessories

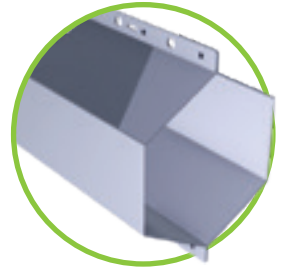
A comprehensive range of accessories is available to suit every conceivable system design.



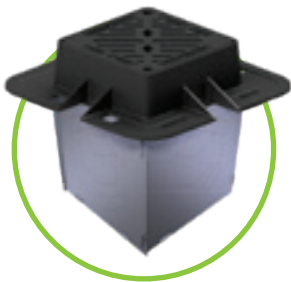
Channel body in 3 metre,
1 metre and 0.5 metre
lengths



Channel pipes



Catchpit connectors



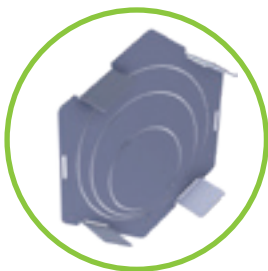
Access box
with grating



Outlet box
with grating



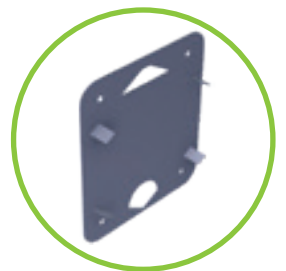
Silt box
with grating



End caps /
end caps with outlet



Drop connector



Flow regulators

Send us your project!

Our technical support will be happy to advise you and
provide you with an overall quote for your project:
sales.int@bg-graspointner.com



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References



Applications: heavily loaded installation sites.

The BG-GATIC Slotdrain channels are mainly used in areas with heavy traffic volume or other areas with high heavy-duty vehicles circulation. Line drainage and effective retention – for the ultimate hydraulic requirements under extreme conditions (up to class F900).

An overview of applications:

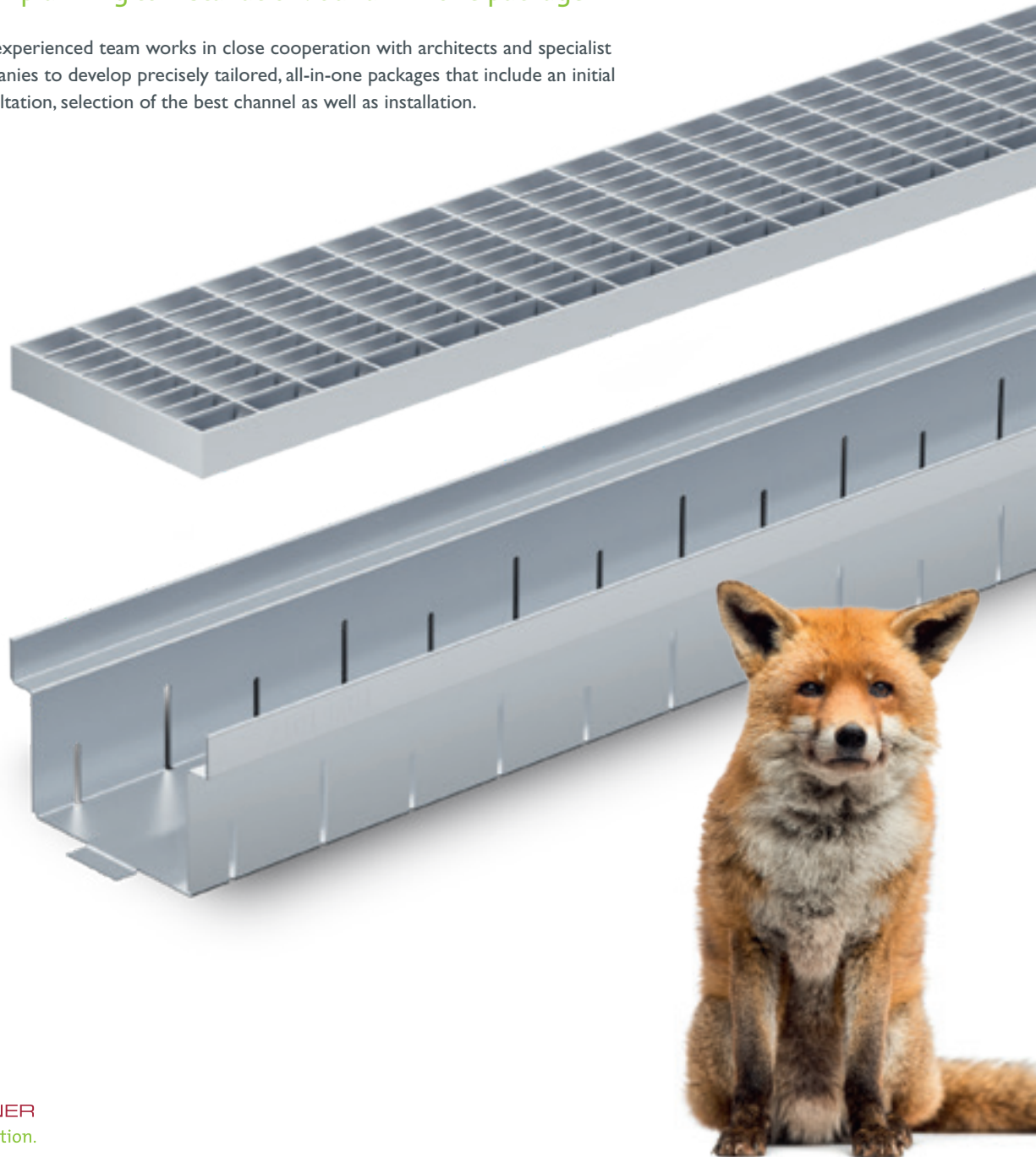
- container ports
- ports and docks
- airports
- motor- and highways
- and similar areas

Special requirements demand extraordinary intelligence.

The fox is known to be a smart creature. It always manages to clever solve any challenge that comes its way. We too are able to find the perfect solution to each of our customer's wishes thanks to our intelligent steel channel systems.

From planning to installation: our all-in-one package

Our experienced team works in close cooperation with architects and specialist companies to develop precisely tailored, all-in-one packages that include an initial consultation, selection of the best channel as well as installation.



GRASPOINTNER
Sustainable innovation.

The perfect product for every application:

- **BG-FA facade channels**

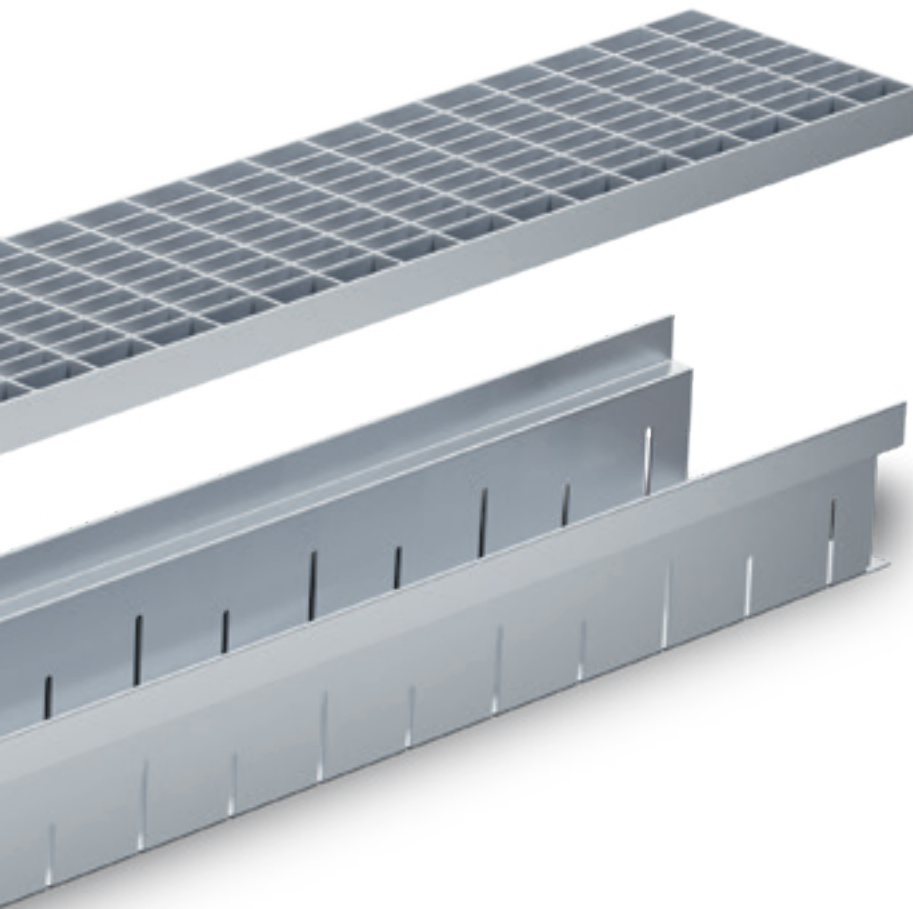
flexible, fix or adjustable in height; different grating options; for drainage of flat roofs, terraces, balconys, etc.

- **BG-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-TM terrace channel**

for laying on the terrace / balconies in combination with paving



- **BG-OMEGA**

slot width 16 mm; no grates/covers necessary; optimized OMEGA-shaped design for best discharge performance; Application: industrial floors

- **BG-SIGMA**

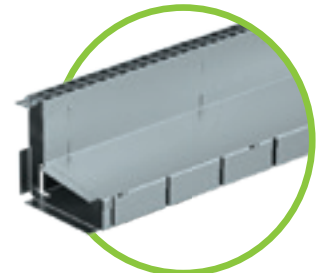
nominal width 150 mm; absolut tight through special flange-connection; height, width and load class free to choose; Application: parkgarages



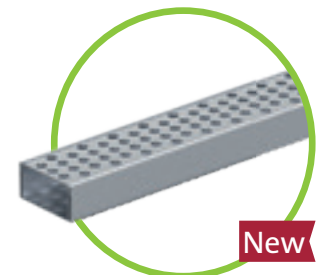
Technical data: www.bg-graspointner.com/STEEL_CHANNELS



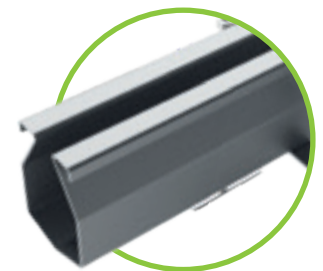
BG-FA facade channels
walkable | page 76-82



BG-TE terrace slot channels
walkable | page 84



BG-TM terrace channels
walkable | page 85



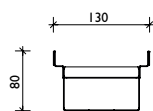
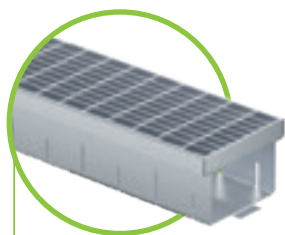
BG-OMEGA
up to class C | page 88-91



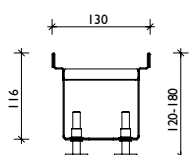
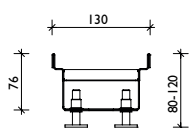
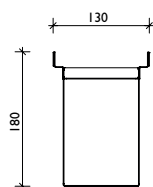
BG-SIGMA
up to class C | page 92-95



BG-FA facade channels



fixed height



variable height

BG-FA facade channels, channel width 130 - GALVANISED STEEL

both-sided perforation (except accessory elements) or closed, galvanised steel

Item no.	Channel body perforated - material thickness 1,00 mm	Length mm	Height mm	Weight
21013200	BG-FA facade channel V, width 130, fixed height	500	80	1,3 kg
21013201	BG-FA facade channel V, width 130, fixed height L	1000	80	2,6 kg
21013202	BG-FA facade channel V, width 130, fixed height L	2000	80	5,0 kg
21013211	BG-FA facade channel V, width 130, fixed height L	1000	180	4,1 kg
21013212	BG-FA facade channel V, width 130, fixed height L	2000	180	8,1 kg
Item no.	Channel body with open bottom - material thickness 1,50 mm	Length mm	Height mm	Weight
21013231	BG-FA facade channel plus V, width 130, variable height, incl. 4 adjustable feet L	1000	80 - 120	3,0 kg
21013232	BG-FA facade channel plus V, width 130, variable height, incl. 6 adjustable feet	2000	80 - 120	6,1 kg
21013233	BG-FA facade channel plus V, width 130, variable height, incl. 4 adjustable feet	1000	120 - 180	3,9 kg
21013234	BG-FA facade channel plus V, width 130, variable height, incl. 6 adjustable feet	2000	120 - 180	8,0 kg
Item no.	Channel body closed - material thickness 1,00 mm	Length mm	Height mm	Weight
21013251	BG-FA facade channel V, width 130, fixed height L	1000	80	2,6 kg
21013252	BG-FA facade channel V, width 130, fixed height	2000	80	5,1 kg
21013261	BG-FA facade channel V, width 130, fixed height	1000	180	4,1 kg
21013262	BG-FA facade channel V, width 130, fixed height	2000	180	8,3 kg
Item no.	Gratings - width 122 mm	Material	Pc./pallet	Weight
24513201	BG-FA mesh grating 1000/122/20, MW 30/10 L	galvan. steel	120	2,5 kg
24513202	BG-FA mesh grating 500/122/20, MW 30/10 L	galvan. steel	48	1,3 kg
24513203	BG-FA slotted grating 1000/122/20, SW 9/85 L	galvan. steel	120	1,5 kg
24513204	BG-FA slotted grating 500/122/20, SW 9/85 L	galvan. steel	48	0,8 kg
24513205	BG-FA perforated grating 1000/122/20, Ø 6 mm L	galvan. steel	120	1,6 kg
24513206	BG-FA perforated grating 500/122/20, Ø 6 mm L	galvan. steel	48	0,8 kg
24513207	BG-FA longitudinal bar grating 1000/122/20, bar distance 10 mm L	galvan. steel	120	3,9 kg
24513208	BG-FA longitudinal bar grating 500/122/20, bar distance 10 mm L	galvan. steel	48	2,0 kg
24513209	BG-FA cross bar grating 1000/122/20, bar distance 10 mm	galvan. steel	120	4,2 kg
24513210	BG-FA cross bar grating 500/122/20, bar distance 10 mm	galvan. steel	48	2,1 kg
24513211	BG-FA design grating „sunrays“ 1000/122/20	galvan. steel	120	1,4 kg
24513212	BG-FA design grating „sunrays“ 500/122/20	galvan. steel	48	0,7 kg
Item no.	Accessories	Material	Height mm	Weight
24913201	BG-FA outlet unit V, width 130, outlet DN 75, L = 1000 mm L	galvan. steel	80	2,6 kg
24913202	BG-FA outlet unit V, width 130, outlet DN 75, L = 1000 mm	galvan. steel	180	4,3 kg
24913211	BG-FA corner piece 90° V, width 130, fixed height	galvan. steel	80	2,1 kg
24913221	BG-FA front cap V, width 130, fixed height L	galvan. steel	80	0,1 kg
24913222	BG-FA front cap V, width 130, fixed height L	galvan. steel	180	0,2 kg
24900010	BG-FA locking set for mesh gratings and longitudinal bar gratings L	galvan. steel		0,1 kg
	consisting of clip, bolt and sleeve nut (required per m: 2 pcs.)			

L = stock items



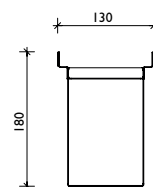
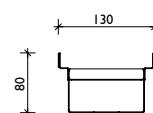
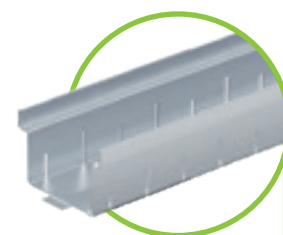
Further heights
on request

BG-FA facade channels, channel width 130 - STAINLESS STEEL

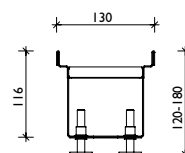
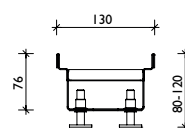
both-sided perforation (except accessory elements) or closed, stainless steel

Item no.	Channel body perforated - material thickness 1,00 mm	Length mm	Height mm	Weight
21013300	BG-FA facade channel E, width 130, fixed height	500	80	1,3 kg
21013301	BG-FA facade channel E, width 130, fixed height L	1000	80	2,6 kg
21013302	BG-FA facade channel E, width 130, fixed height	2000	80	5,0 kg
21013311	BG-FA facade channel E, width 130, fixed height	1000	180	4,1 kg
21013312	BG-FA facade channel E, width 130, fixed height	2000	180	8,1 kg
Item no.	Channel body with open bottom - material thickness 1,50 mm	Length mm	Height mm	Weight
21013331	BG-FA facade channel plus E, width 130, variable height, incl. 4 adjustable feet	1000	80 - 120	3,0 kg
21013332	BG-FA facade channel plus E, width 130, variable height, incl. 6 adjustable feet	2000	80 - 120	6,1 kg
21013333	BG-FA facade channel plus E, width 130, variable height, incl. 4 adjustable feet	1000	120 - 180	3,9 kg
21013334	BG-FA facade channel plus E, width 130, variable height, incl. 6 adjustable feet	2000	120 - 180	8,0 kg
Item no.	Channel body closed - material thickness 1,00 mm	Length mm	Height mm	Weight
21013351	BG-FA facade channel E, width 130, fixed height L	1000	80	2,6 kg
21013352	BG-FA facade channel E, width 130, fixed height	2000	80	5,1 kg
21013361	BG-FA facade channel E, width 130, fixed height	1000	180	4,1 kg
21013362	BG-FA facade channel E, width 130, fixed height	2000	180	8,3 kg
Item no.	Gratings - width 122 mm	Material	Pc./pallet	Weight
24513301	BG-FA mesh grating 1000/122/20, MW 30/10 L	stainl. steel	120	2,5 kg
24513302	BG-FA mesh grating 500/122/20, MW 30/10 L	stainl. steel	48	1,3 kg
24513303	BG-FA slotted grating 1000/122/20, SW 9/85 L	stainl. steel	120	1,5 kg
24513304	BG-FA slotted grating 500/122/20, SW 9/85 L	stainl. steel	48	0,8 kg
24513305	BG-FA perforated grating 1000/122/20, Ø 6 mm L	stainl. steel	120	1,6 kg
24513306	BG-FA perforated grating 500/122/20, Ø 6 mm L	stainl. steel	48	0,8 kg
24513307	BG-FA longitudinal bar grating 1000/122/20, bar distance 10 mm L	stainl. steel	120	3,9 kg
24513308	BG-FA longitudinal bar grating 500/122/20, bar distance 10 mm L	stainl. steel	48	2,0 kg
24513309	BG-FA cross bar grating 1000/122/20, bar distance 10 mm	stainl. steel	120	4,2 kg
24513310	BG-FA cross bar grating 500/122/20, bar distance 10 mm	stainl. steel	48	2,1 kg
24513311	BG-FA design grating „sunrays“ 1000/122/20	stainl. steel	120	1,4 kg
24513312	BG-FA design grating „sunrays“ 500/122/20	stainl. steel	48	0,7 kg
Item no.	Accessories	Material	Height mm	Weight
24913301	BG-FA outlet unit E, width 130, outlet DN 75, L = 1000 mm L	stainl. steel	80	2,6 kg
24913302	BG-FA outlet unit E, width 130, outlet DN 75, L = 1000 mm	stainl. steel	180	4,3 kg
24913311	BG-FA corner piece 90° E, width 130, fixed height	stainl. steel	80	2,1 kg
24913321	BG-FA front cap E, width 130, fixed height L	stainl. steel	80	0,1 kg
24913322	BG-FA front cap E, width 130, fixed height L	stainl. steel	180	0,2 kg
24900011	BG-FA locking set for mesh gratings and longitudinal bar gratings consisting of clip, bolt and sleeve nut (required per m: 2 pcs.) L	stainl. steel		0,1 kg

L = stock items



fixed height



variable height



Further heights
on request

Variability is the "plus": BG-FA facade channels plus.

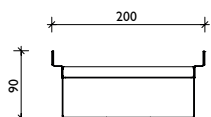
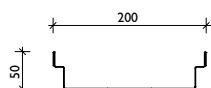
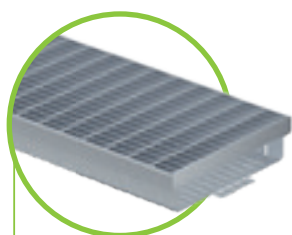
BG-FA 'plus' facade channel elements are freely height-adjustable using adjustable feet. This has numerous application advantages:

- great flexibility in height by adjustable feet - a hexagon socket bolt can be turned from above to make adjustments even after installation
- Maximum, immediate rainwater discharge is possible due to the open channel bottom
- optimal protection against splashing and driving rain
- particularly suitable for terrace coverings laid on pedestals

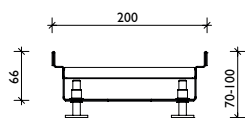
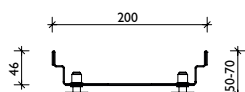




BG-FA facade channels



fixed height



variable height



Further heights
on request

BG-FA facade channels, channel width 200 - GALVANISED STEEL

both-sided perforation (except accessory elements) or closed, galvanised steel

Item no.	Channel body perforated - material thickness 1,00 mm	Length mm	Height mm	Weight
21020200	BG-FA facade channel V, width 200, fixed height	500	50	1,3 kg
21020201	BG-FA facade channel V, width 200, fixed height L	1000	50	2,6 kg
21020202	BG-FA facade channel V, width 200, fixed height L	2000	50	5,3 kg
21020211	BG-FA facade channel V, width 200, fixed height L	1000	90	3,3 kg
21020212	BG-FA facade channel V, width 200, fixed height L	2000	90	6,6 kg
Item no.	Channel body with open bottom - material thickness 1,50 mm	Length mm	Height mm	Weight
21020221	BG-FA facade channel plus V, width 200, variable height, incl. 4 adjustable feet L	1000	50 - 70	2,4 kg
21020222	BG-FA facade channel plus V, width 200, variable height, incl. 6 adjustable feet	2000	50 - 70	4,9 kg
21020223	BG-FA facade channel plus V, width 200, variable height, incl. 4 adjustable feet	1000	70 - 100	3,0 kg
21020224	BG-FA facade channel plus V, width 200, variable height, incl. 6 adjustable feet	2000	70 - 100	5,9 kg
Item no.	Channel body closed - material thickness 1,00 mm	Length mm	Height mm	Weight
21020231	BG-FA facade channel V, width 200, fixed height L	1000	50	2,6 kg
21020232	BG-FA facade channel V, width 200, fixed height	2000	50	5,3 kg
21020241	BG-FA facade channel V, width 200, fixed height L	1000	90	3,4 kg
21020242	BG-FA facade channel V, width 200, fixed height	2000	90	6,7 kg
Item no.	Channel body accessible - material thickness 1,00 mm	Length mm	Height mm	Weight
21020251	BG-FA facade channel V, width 200, different limb heights	1000	50 / 60	2,7 kg
21020252	BG-FA facade channel V, width 200, different limb heights	2000	50 / 60	5,3 kg
Item no.	Gratings - width 198 mm	Material	Pc./pallet	Weight
24520201	BG-FA mesh grating 1000/198/20, MWV 30/10 L	galvanised steel	60	3,8 kg
24520202	BG-FA mesh grating 500/198/20, MWV 30/10 L	galvanised steel	30	2,0 kg
24520207	BG-FA perforated grating 1000/198/20, Ø 6 mm L	galvanised steel	60	3,5 kg
24520208	BG-FA perforated grating 500/198/20, Ø 6 mm L	galvanised steel	30	1,7 kg
24520203	BG-FA longitudinal bar grating 1000/198/20, bar distance 10 mm L	galvanised steel	60	6,4 kg
24520204	BG-FA longitudinal bar grating 500/198/20, bar distance 10 mm L	galvanised steel	30	3,2 kg
24520205	BG-FA cross bar grating 1000/198/20, bar distance 10 mm	galvanised steel	60	8,8 kg
24520206	BG-FA cross bar grating 500/198/20, bar distance 10 mm	galvanised steel	30	4,4 kg
Item no.	Accessories	Material	Height mm	Weight
24920201	BG-FA outlet unit V, width 200, outlet DN 75, L = 1000 mm L	galvanised steel	50	2,8 kg
24920202	BG-FA outlet unit V, width 200, outlet DN 75, L = 1000 mm L	galvanised steel	90	3,5 kg
24920211	BG-FA corner piece 90° V, width 200, fixed height	galvanised steel	50	2,0 kg
24920212	BG-FA corner piece 90° V, width 200, fixed height	galvanised steel	90	2,6 kg
24920221	BG-FA front cap V, width 200, fixed height L	galvanised steel	50	0,1 kg
24920222	BG-FA front cap V, width 200, fixed height L	galvanised steel	90	0,1 kg
24900010	BG-FA locking set for mesh gratings and longitudinal bar gratings consisting of clip, bolt and sleeve nut (required per m: 2 pcs.) L	galvanised steel		0,1 kg
24900012	BG-FA locking set for mesh gratings and longitudinal bar gratings consisting of strengthening bar incl. sleeve nut, clip and bolt ¹⁾ L	galvanised steel		0,1 kg

L = stock items

¹⁾ Locking set - item no. 24900012 only for width 200, fixed height 50 mm and variable height 50-70 mm – for all other heights: please use item-no. 24900010

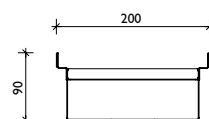
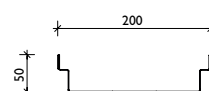
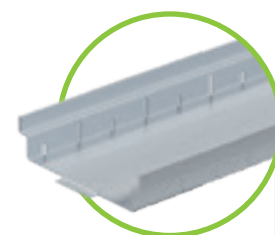
BG-FA facade channels, channel width 200 - STAINLESS STEEL

both-sided perforation (except accessory elements) or closed, stainless steel

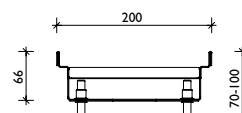
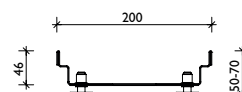
Item no.	Channel body perforated - material thickness 1,00 mm	Length mm	Height mm	Weight
21020300	BG-FA facade channel E, width 200, fixed height	500	50	1,3 kg
21020301	BG-FA facade channel E, width 200, fixed height L	1000	50	2,6 kg
21020302	BG-FA facade channel E, width 200, fixed height L	2000	50	5,3 kg
21020311	BG-FA facade channel E, width 200, fixed height L	1000	90	3,3 kg
21020312	BG-FA facade channel E, width 200, fixed height	2000	90	6,6 kg
Item no.	Channel body with open bottom - material thickness 1,50 mm	Length mm	Height mm	Weight
21020321	BG-FA facade channel plus E, width 200, variable height, incl. 4 adjustable feet	1000	50 - 70	2,4 kg
21020322	BG-FA facade channel plus E, width 200, variable height, incl. 6 adjustable feet	2000	50 - 70	4,9 kg
21020323	BG-FA facade channel plus E, width 200, variable height, incl. 4 adjustable feet	1000	70 - 100	3,0 kg
21020324	BG-FA facade channel plus E, width 200, variable height, incl. 6 adjustable feet	2000	70 - 100	5,9 kg
Item no.	Channel body closed - material thickness 1,00 mm	Length mm	Height mm	Weight
21020331	BG-FA facade channel E, width 200, fixed height	1000	50	2,6 kg
21020332	BG-FA facade channel E, width 200, fixed height	2000	50	5,3 kg
21020341	BG-FA facade channel E, width 200, fixed height	1000	90	3,4 kg
21020342	BG-FA facade channel E, width 200, fixed height	2000	90	6,7 kg
Item no.	Gratings - width 198 mm	Material	Pc./pallet	Weight
24520301	BG-FA mesh grating 1000/198/20, MW 30/10 L	stainl. steel	60	3,8 kg
24520302	BG-FA mesh grating 500/198/20, MW 30/10 L	stainl. steel	30	2,0 kg
24520307	BG-FA perforated grating 1000/198/20, Ø 6 mm L	stainl. steel	60	3,5 kg
24520308	BG-FA perforated grating 500/198/20, Ø 6 mm L	stainl. steel	30	1,7 kg
24520303	BG-FA longitudinal bar grating 1000/198/20, bar distance 10 mm	stainl. steel	60	6,4 kg
24520304	BG-FA longitudinal bar grating 500/198/20, bar distance 10 mm	stainl. steel	30	3,2 kg
24520305	BG-FA cross bar grating 1000/198/20, bar distance 10 mm	stainl. steel	60	8,8 kg
24520306	BG-FA cross bar grating 500/198/20, bar distance 10 mm	stainl. steel	30	4,4 kg
Item no.	Accessories	Material	Height mm	Weight
24920301	BG-FA outlet unit E, width 200, outlet DN 75, L = 1000 mm	stainl. steel	50	2,8 kg
24920302	BG-FA outlet unit E, width 200, outlet DN 75, L = 1000 mm	stainl. steel	90	3,5 kg
24920311	BG-FA corner piece 90° E, width 200, fixed height	stainl. steel	50	2,0 kg
24920312	BG-FA corner piece 90° E, width 200, fixed height	stainl. steel	90	2,6 kg
24920321	BG-FA front cap E, width 200, fixed height L	stainl. steel	50	0,1 kg
24920322	BG-FA front cap E, width 200, fixed height L	stainl. steel	90	0,1 kg
24900011	BG-FA locking set for mesh gratings and longitudinal bar gratings consisting of clip, bolt and sleeve nut (required per m: 2 pcs.) L	stainl. steel		0,1 kg
24900013	BG-FA locking set for mesh gratings and longitudinal bar gratings consisting of strengthening bar incl. sleeve nut, clip and bolt ¹⁾ L	stainl. steel		0,1 kg

L = stock items

¹⁾ Locking set - item no. 24900013 only for width 200, fixed height 50 mm and variable height 50-70 mm – for all other heights: please use item-no. 24900011



fixed height



variable height



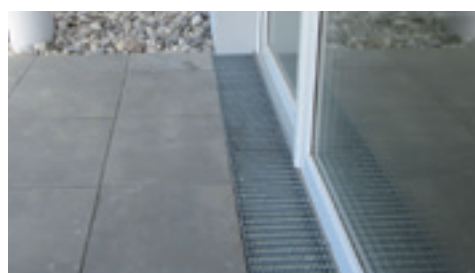
Further heights
on request

FILCOTEN®

Concrete channels

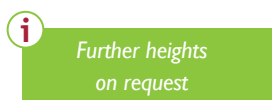
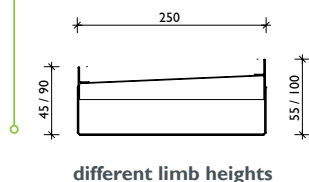
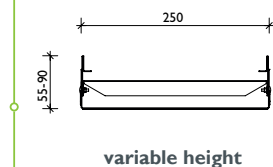
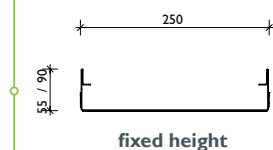
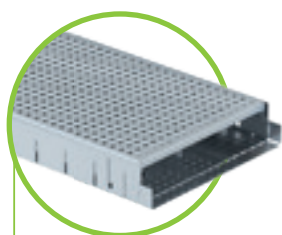
Steel channels

References





BG-FA facade channels



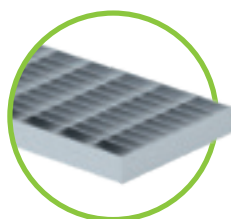
BG-FA facade channels, channel width 250 - GALVANISED STEEL

both-sided perforation (except accessory elements) or closed, galvanised steel

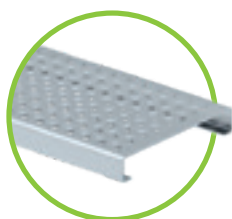
Item no.	Channel body perforated - material thickness 1,00 mm	Length mm	Height mm	Weight
39430	BG-FA facade channel V, width 250, fixed height	500	55	1,7 kg
39431	BG-FA facade channel V, width 250, fixed height L	1000	55	3,3 kg
39432	BG-FA facade channel V, width 250, fixed height L	2000	55	6,6 kg
39451	BG-FA facade channel V, width 250, fixed height L	1000	90	3,9 kg
39452	BG-FA facade channel V, width 250, fixed height L	2000	90	7,7 kg
39461	BG-FA facade channel V, width 250, variable height L	1000	55 - 90	4,1 kg
39462	BG-FA facade channel V, width 250, variable height L	2000	55 - 90	8,2 kg
Item no.	Channel body closed - material thickness 1,00 mm	Length mm	Height mm	Weight
39433	BG-FA facade channel V, width 250, fixed height	500	55	1,7 kg
39434	BG-FA facade channel V, width 250, fixed height L	1000	55	3,3 kg
39435	BG-FA facade channel V, width 250, fixed height	2000	55	6,6 kg
39454	BG-FA facade channel V, width 250, fixed height L	1000	90	3,9 kg
39455	BG-FA facade channel V, width 250, fixed height L	2000	90	7,7 kg
Item no.	Channel body accessible - material thickness 1,00 mm	Length mm	Height mm	Weight
39476	BG-FA facade channel V, width 250, different limb heights	1000	45 / 55	3,2 kg
39471	BG-FA facade channel V, width 250, different limb heights	1000	90 / 100	4,1 kg
Item no.	Gratings - width 242 mm	Material	Pc./pallet	Weight
39600	BG-FA mesh grating 1000/242/20, MW 30/10 L	galvanised steel	60	4,5 kg
39601	BG-FA mesh grating 500/242/20, MW 30/10 L	galvanised steel	30	2,3 kg
39606	BG-FA perforated grating 1000/242/20, Ø 6 mm	galvanised steel	60	4,6 kg
39607	BG-FA perforated grating 500/242/20, Ø 6 mm	galvanised steel	30	2,3 kg
39602	BG-FA longitudinal bar grating 1000/242/20, bar distance 10 mm	galvanised steel	60	7,2 kg
39603	BG-FA longitudinal bar grating 500/242/20, bar distance 10 mm	galvanised steel	30	3,6 kg
39604	BG-FA cross bar grating 1000/242/20, bar distance 10 mm	galvanised steel	60	7,0 kg
39605	BG-FA cross bar grating 500/242/20, bar distance 10 mm	galvanised steel	30	3,6 kg
Item no.	Accessories	Material	Height mm	Weight
30019	BG drain trap for bottom outlet DN 100 L	plastic		0,2 kg
39711	BG-FA outlet unit V, width 250, outlet DN 100, L = 1000 mm L	galvanised steel	55	3,7 kg
39713	BG-FA outlet unit V, width 250, outlet DN 100, L = 1000 mm L	galvanised steel	90	4,6 kg
39714	BG-FA outlet unit V, width 250, outlet DN 100, L = 1000 mm	galvanised steel	55 - 90	4,3 kg
39751	BG-FA corner piece 90° V, width 250, variable height L	galvanised steel	55 - 90	1,1 kg
39670	BG-FA front cap V, width 250, fixed height L	galvanised steel	55	0,1 kg
39671	BG-FA front cap V, width 250, fixed height L	galvanised steel	90	0,2 kg
39672	BG-FA front cap V, width 250, variable height	galvanised steel	55 - 90	0,2 kg
39696	BG-FA locking device kit for all gratings L	stainl. steel		0,1 kg
consisting of bracket and bolt (required per m: 2 pcs - only available in stainless steel 1.4301)				

L = stock items

Gratings: BG-FA facade channels, width 130, 200, 250 - galvanised or stainless steel



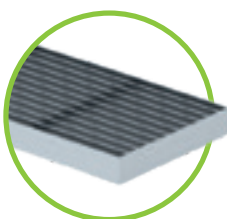
Mesh grating MW 30/10
for RB 130, 200, 250



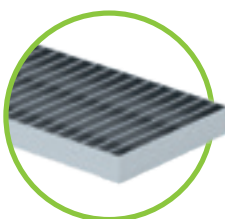
Perforated grating Ø 6 mm
for RB 130, 200, 250



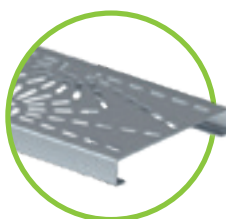
Slotted grating SW 9/85
only for RB 130



Longitudinal bar grating
for RB 130, 200, 250



Cross bar grating
for RB 130, 200, 250



Design grating „sunrays“
Delivery time and price
on request



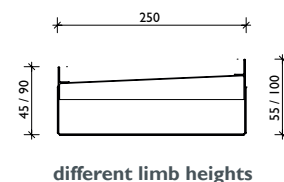
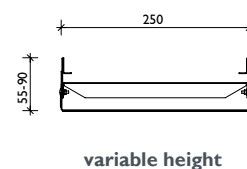
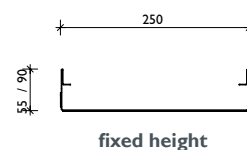
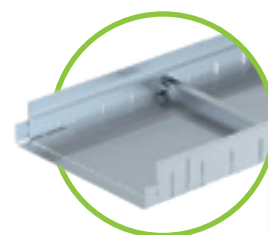
BG-FA facade channels incl. gratings are all walkable and wheelchair compliant!

BG-FA facade channels, channel width 250 - STAINLESS STEEL

both-sided perforation (except accessory elements) or closed, stainless steel

Item no.	Channel body perforated - material thickness 1,00 mm	Length mm	Height mm	Weight
39530	BG-FA facade channel E, width 250, fixed height	500	55	1,7 kg
39531	BG-FA facade channel E, width 250, fixed height L	1000	55	3,3 kg
39532	BG-FA facade channel E, width 250, fixed height L	2000	55	6,6 kg
39551	BG-FA facade channel E, width 250, fixed height L	1000	90	3,9 kg
39552	BG-FA facade channel E, width 250, fixed height	2000	90	7,7 kg
39561	BG-FA facade channel E, width 250, variable height	1000	55 - 90	4,1 kg
39562	BG-FA facade channel E, width 250, variable height	2000	55 - 90	8,2 kg
Item no.	Channel body closed - material thickness 1,00 mm	Length mm	Height mm	Weight
39533	BG-FA facade channel E, width 250, fixed height	500	55	1,7 kg
39534	BG-FA facade channel E, width 250, fixed height	1000	55	3,3 kg
39535	BG-FA facade channel E, width 250, fixed height	2000	55	6,6 kg
39554	BG-FA facade channel E, width 250, fixed height	1000	90	3,9 kg
39555	BG-FA facade channel E, width 250, fixed height	2000	90	7,7 kg
Item no.	Channel body accessible - material thickness 1,00 mm	Length mm	Height mm	Weight
39576	BG-FA facade channel E, width 250, different limb heights	1000	45 / 55	3,2 kg
39571	BG-FA facade channel E, width 250, different limb heights	1000	90 / 100	4,1 kg
Item no.	Gratings - width 242 mm	Material	Pc./pallet	Weight
39630	BG-FA mesh grating 1000/242/20, MW 30/10 L	stainl. steel	60	4,5 kg
39631	BG-FA mesh grating 500/242/20, MW 30/10 L	stainl. steel	30	2,3 kg
39636	BG-FA perforated grating 1000/242/20, Ø 6 mm	stainl. steel	60	4,6 kg
39637	BG-FA perforated grating 500/242/20, Ø 6 mm	stainl. steel	30	2,3 kg
39632	BG-FA longitudinal bar grating 1000/242/20, bar distance 10 mm	stainl. steel	60	7,2 kg
39633	BG-FA longitudinal bar grating 500/242/20, bar distance 10 mm	stainl. steel	30	3,6 kg
39634	BG-FA cross bar grating 1000/242/20, bar distance 10 mm	stainl. steel	60	7,0 kg
39635	BG-FA cross bar grating 500/242/20, bar distance 10 mm	stainl. steel	30	3,6 kg
Item no.	Accessories	Material	height mm	Weight
30019	BG drain trap for bottom outlet DN 100 L	plastic		0,2 kg
39716	BG-FA outlet unit E, width 250, outlet DN 100, L = 1000 mm	stainl. steel	55	3,7 kg
39718	BG-FA outlet unit E, width 250, outlet DN 100, L = 1000 mm	stainl. steel	90	4,6 kg
39719	BG-FA outlet unit E, width 250, outlet DN 100, L = 1000 mm L	stainl. steel	55 - 90	4,3 kg
39761	BG-FA corner piece 90° E, width 250, variable height L	stainl. steel	55 - 90	1,1 kg
39680	BG-FA front cap E, width 250, fixed height L	stainl. steel	55	0,1 kg
39681	BG-FA front cap E, width 250, fixed height L	stainl. steel	90	0,2 kg
39682	BG-FA front cap E, width 250, variable height	stainl. steel	55 - 90	0,2 kg
39696	BG-FA locking device kit for all gratings L	stainl. steel		0,1 kg
consisting of bracket and bolt (required per m: 2 pcs - only available in stainless steel 1.4301)				

L = stock items



i Further heights on request

FILCOTEN®

Concrete channels

Steel channels

References



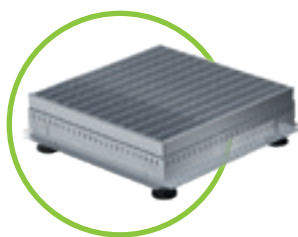
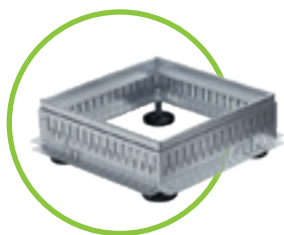


BG-FA facade channels

Accessories

BG-FA top sections

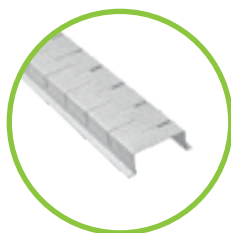
suitable as sump or maintenance unit with inserted mesh gratings



Item no.	Top sections - material thickness 1,00 mm		Material	Height mm	Weight
24925200	BG-FA top section V 250/250, fixed height	L	galvanised steel	50	1,9 kg
24925201	BG-FA top section V 250/250, variable height	L	galvanised steel	70 - 100	2,6 kg
24925202	BG-FA top section V 250/250, variable height	L	galvanised steel	100 - 160	2,9 kg
24925300	BG-FA top section E 250/250, fixed height	L	stainl. steel	50	1,9 kg
24925301	BG-FA top section E 250/250, variable height	L	stainl. steel	70 - 100	2,6 kg
24925302	BG-FA top section E 250/250, variable height	L	stainl. steel	100 - 160	2,9 kg
24940200	BG-FA top section V 400/400, fixed height	L	galvanised steel	50	2,4 kg
24940201	BG-FA top section V 400/400, variable height	L	galvanised steel	70 - 100	3,3 kg
24940202	BG-FA top section V 400/400, variable height	L	galvanised steel	100 - 160	4,1 kg
24940300	BG-FA top section E 400/400, fixed height	L	stainl. steel	50	2,4 kg
24940301	BG-FA top section E 400/400, variable height	L	stainl. steel	70 - 100	3,3 kg
24940302	BG-FA top section E 400/400, variable height	L	stainl. steel	100 - 160	4,1 kg
Item no.	Gratings for top sections		Material	Pc./pallet	Weight
24525200	BG-FA mesh grating 242/242/20, MVV 30/10	L	galvanised steel	120	1,0 kg
24525300	BG-FA mesh grating 242/242/20, MVV 30/10	L	stainl. steel	120	1,0 kg
24540200	BG-FA mesh grating 392/392/20, MVV 30/10	L	galvanised steel	120	2,5 kg
24540300	BG-FA mesh grating 392/392/20, MVV 30/10	L	stainl. steel	120	2,5 kg

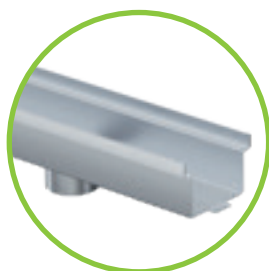
BG-FA branch channels

to connect the channel run with the outlet

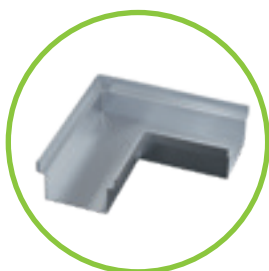


Item no.	Branch channels		Length mm	Height mm	Weight
37851	BG-FA branch channels 1000/90/30, galvanised steel	L	1000	30	1,1 kg
37852	BG-FA branch channels 2000/90/30, galvanised steel	L	2000	30	2,2 kg
37861	BG-FA branch channels 1000/90/30, stainless steel	L	1000	30	1,1 kg
37862	BG-FA branch channels 2000/90/30, stainless steel	L	2000	30	2,2 kg

L = stock items



BG-FA outlet unit,
with bottom outlet DN 75



BG-FA corner pieces



BG-FA front caps



BG-FA locking set
consisting of clip, bolt
and sleeve nut
(2 pieces per m)



BG-FA locking set consisting of
strengthening bar incl.
sleeve nut, clip and bolt
(2 pieces per m)



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

Meeting all current requirements.

Standard conformity according to
Austrian standard B 3691 – valid from 01.02.2019

All of our steel channels conform with the Austrian standard B 3691 as amended. Here you can find relevant information and installation instructions to ensure that your project meets the latest statutory requirements.

Three distinct usage situations:

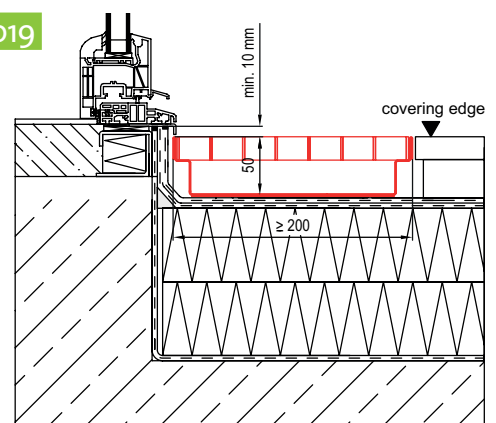
- **Exposed location:** Wall, door or window connection directly exposed to weathering effects of driving rain
- **Partially exposed location:** Wall, door or window connection partially protected from weathering effects of driving rain
- **Non-exposed location:** Wall, door or window connection protected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

Door and window element connections conformant 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	BG-FA RB 130, fixed height 80 BG-FA RB 130, variable height 80-120
	200	40	10	BG-FA RB 200, fixed height 50 BG-FA RB 200, variable height 50-70
Exposed location	120	180	10	BG-FA RB 130, fixed height 180
	200	90	10	BG-FA RB 200, fixed height 90 BG-FA RB 200, variable height 70-100

Further important requirements under Austrian standard B 3691:2019

- The cross section of the hydraulic channel must be adapted for local conditions
- For roof drainage, branch channels are to be planned to lie beneath coverings in gravel bed or under bound coverings
- Double-sided perforated 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 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.

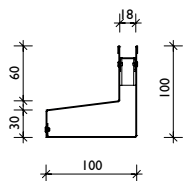
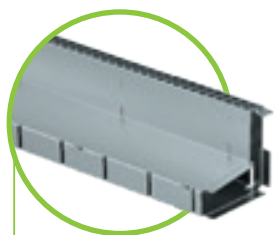




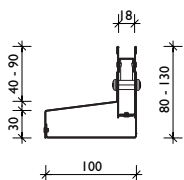
BG-TE terrace slot channels

BG-TE terrace slot channels, slot width 18 - GALVANISED STEEL

for drainage of terraces and gardens



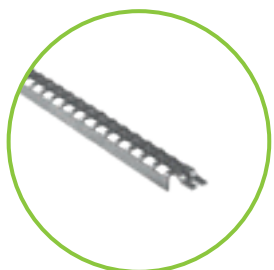
fixed height



variable height

Item no.	Channel body asymmetric - material thickness 1,00 mm		Length mm	Height mm	Weight
38000	BG-TE terrace slot channel E SW 18 - unperforated	L	1000	100	3,2 kg
38010	BG-TE terrace slot channel E SW 18 - unperforated	L	1000	80 - 130	3,0 kg
38020	BG-TE terrace slot channel E SW 18 - perforated	L	1000	100	3,2 kg
38030	BG-TE terrace slot channel E SW 18 - perforated	L	1000	80 - 130	3,0 kg
Item no.	Gratings		Material	Pc./pallet	Weight
37955	BG-TE slot inlay with square perforation 8/8 mm, L = 500 mm	L	stainless steel	200	0,1 kg
37956	BG-TE slot inlay with square perforation 8/8 mm, L = 1000 mm	L	stainless steel	100	0,2 kg
37961	BG-TE construction time barrier SW 18 mm, L = 1000 mm	L	wood	200	0,1 kg
Item no.	Accessories		Material	Height mm	Weight
38040	BG-TE maintenance unit 500/100 with outlet at bottom or side	L	stainless steel	80 - 130	3,0 kg
13399	BG-TE opening tool for maintenance unit-cover - 2 pcs. required	L	plastic		0,1 kg
38050	BG-TE external corner 200/200 - unperforated	L	stainless steel	80 - 130	1,2 kg
38055	BG-TE internal corner 200/200 - unperforated	L	stainless steel	80 - 130	1,4 kg
38060	BG-TE front cap left/right, width 100 mm	L	stainless steel	80 - 130	0,1 kg

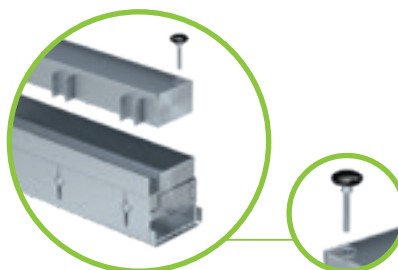
L = stock items



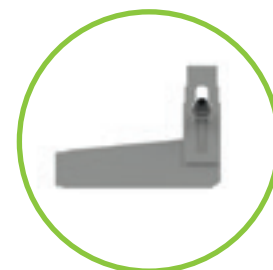
BG-TE slot inlay with square perforation 8/8 mm



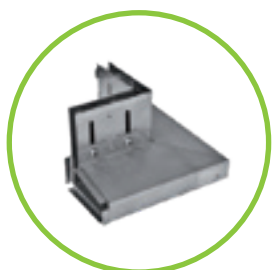
BG-TE construction time barrier made of wood, L = 1000 mm



BG-TE maintenance unit 500/100 with outlet: bottom DN 75 / at the side DN 50



BG-TE front cap left/right, width 100 mm



BG-TE external corner 200/200 - unperforated



BG-TE internal corner 200/200 - unperforated

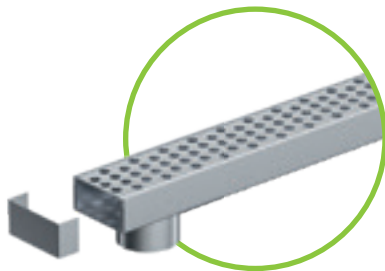
BG-TM terrace channels

BG-TM terrace channel, channel width 60 - STAINLESS STEEL

for drainage on terraces and balconies

Item no.	Channel body	Length mm	Height mm	Weight
21106301	BG-TM terrace channel E, width 60, fixed height incl. grating and front-/connecting cap	1000	30	1,9 kg
Item no.	Outlet unit	Length mm	Height mm	Weight
21106302	BG-TM terrace channel outlet unit E, width 60, fixed height incl. grating and 2 front-/connecting caps, outlet DN 50	1000	30	2,0 kg

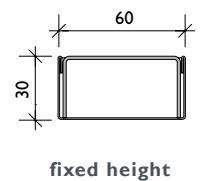
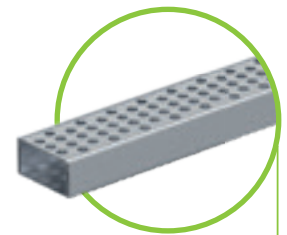
L = stock items



Outlet unit incl. front cap,
bottom outlet DN 50

Benefits of the new mini-channel for terraces:

- Material thickness: channel body 0,75 mm / grating 1,50 mm
- narrow, discreet look due channel width 60
- Laying simultaneously with the terrace plates,
no special substructure is required
- A film on the channel grating provides protection against damage
while construction is ongoing
- DIY due quick-and-easy installation



References





As **unique** as your **requirements.**

Our special solutions.

We know that some challenges cannot be solved with standard channel elements. Our technicians can design any solution for your specific requirements. With our know-how, we will produce what you need, and provide support on site.

Send us your project!

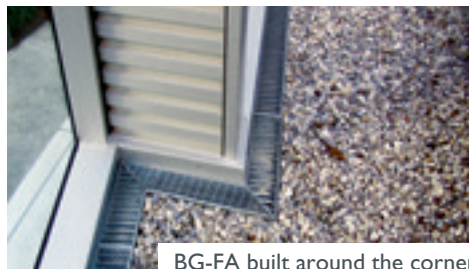
Our technical support will be happy to provide you with a quote for your project.



BG-FA facade channel - built-in radial



Slot tops near fountains



BG-FA built around the corner

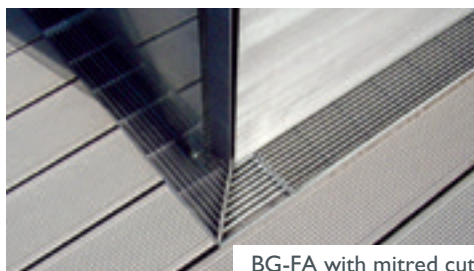


BG-FA with longitudinal bar grating - curved

References



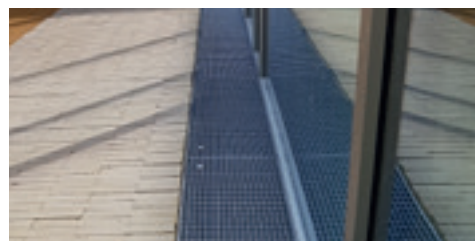
BG-FA with anti-slip mesh grating



BG-FA with mitred cut



BG-FA with design grating "sunrays"



BG-FA for low lying glass facade

Understated, yet remarkably efficient & resilient:

BG-OMEGA indoor slot channel system

The ability to withstand heavy loads without a cover and, at the same time, ensure reliable and long-lasting drainage performance, makes the BG-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.

up to class C 250

Visible edge with shimming

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

Liquid-tight joints

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

Corner piece

- corner piece with a leg length of 500 mm
- cost-effective and efficient corner solution
- best trafficability
- stable and durable

Outlet elements incl. odour trap

- outlet element with vertical or horizontal outlet
- various dimensions and heights for higher drainage capacity
- removable sediment bucket
- solid cover up to B 125 kN, class C 250 kN upon request



GRASPOINTNER
Sustainable innovation.

Channel body made from stainless steel

- optimized OMEGA shape for high runoff performance, easy cleaning and high stability (inbuilt slot bridge)
- 1.4301 stainless steel or higher quality upon request
- material thickness 2 mm
- slot width 16 mm, no cover required

Connecting elements

- for corners, cross or T connections
- also available with outlets

Channel with outlet

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

Anchor plate

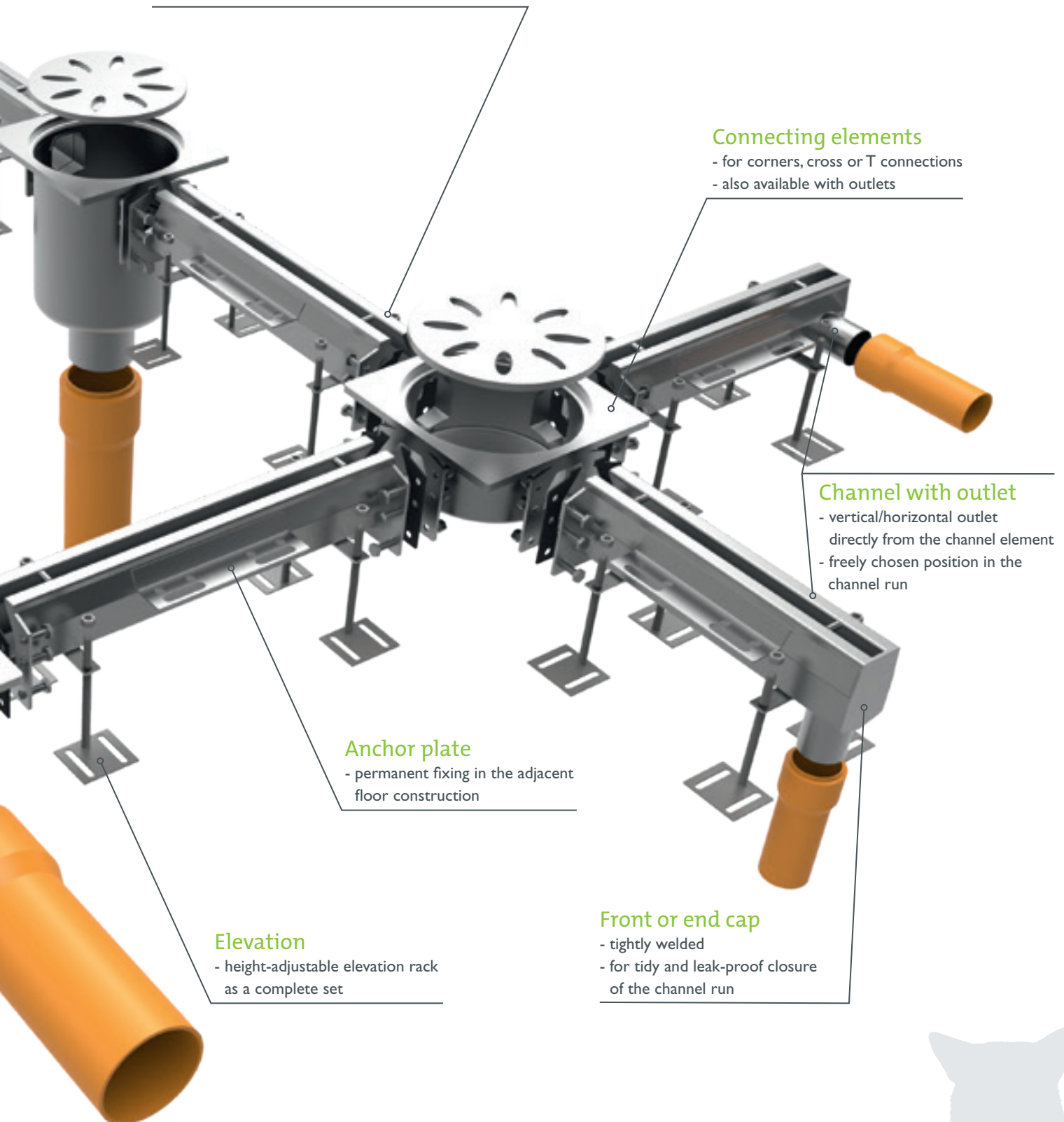
- permanent fixing in the adjacent floor construction

Elevation

- height-adjustable elevation rack as a complete set

Front or end cap

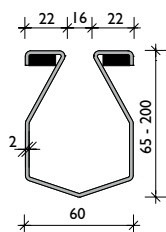
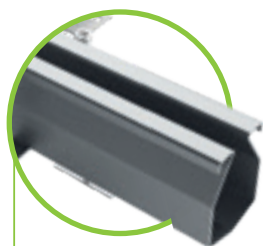
- tightly welded
- for tidy and leak-proof closure of the channel run





BG-OMEGA

up to class C250



BG-OMEGA slotted channels SW 16 - STAINLESS STEEL

Channel elements with or without slope, with sealing flange for bolting

BG-OMEGA without slope - material thickness: 2,0 mm	Length mm	Height mm	Weight
BG-OMEGA - SW 16, without slope, various heights - flange at both ends	to max. 3000	65 - 200	4,4 - 25,5 kg
BG-OMEGA with 0,5% slope - material thickness: 2,0 mm	Length mm	Height mm	Weight
BG-OMEGA - SW 16, with 0,5 % slope, various heights - flange at both ends	to max. 3000	65 - 200	4,5 - 24,6 kg



Flange connection
with seal

BG-OMEGA outlet elements incl. odour trap

for BG-OMEGA slotted channels, with sediment bucket, in various sizes and heights,
always for vertical or horizontal connection

BG-OMEGA outlet-elements incl. odour trap and sediment bucket	Material	Height mm	Weight
BG-OMEGA outlet element 247 x 247 with sediment bucket, with DN 100 outlet, for vertical connection	stainless steel	260	8,3 kg
BG-OMEGA outlet element 247 x 247 with sediment bucket, with DN 100 outlet, for horizontal connection	stainless steel	260	8,3 kg



Other outlet elements for higher hydraulic capacity upon request.



BG-OMEGA
outlet elements incl.
odour trap and sediment bucket,
horizontal outlet



BG-OMEGA
outlet elements incl.
odour trap and sediment bucket,
vertical outlet



Please note that these products are manufactured to order – no in-stock products!

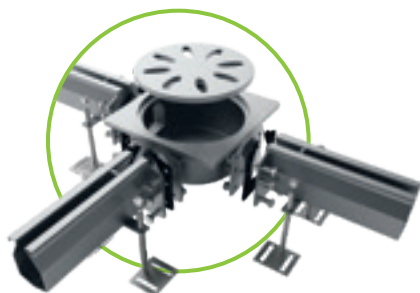
Accessories

for BG-OMEGA slotted channels, SW 16

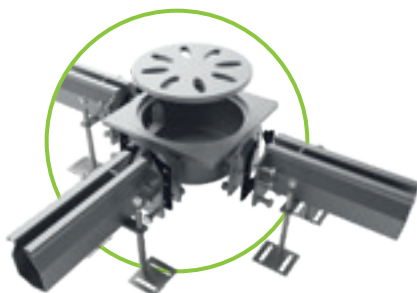
Accessories	Material	Height mm	Weight
BG-OMEGA corner 90°, leg length 500 mm	stainless steel	65 - 200	4,4 - 9,0 kg
BG-OMEGA corner connector 90°	stainless steel	65 - 200	5,7 - 7,3 kg
BG-OMEGA T connector	stainless steel	65 - 200	6,1 - 7,8 kg
BG-OMEGA cross connector	stainless steel	65 - 200	6,5 - 8,3 kg
BG-OMEGA front or end cap	stainless steel	65 - 200	0,3 - 2,7 kg
BG-OMEGA end cap with outlet DN 50	stainless steel	65 - 200	0,4 - 2,8 kg



BG-OMEGA corner with
leg length 500 mm



BG-OMEGA
corner connector



BG-OMEGA
T connector



BG-OMEGA
cross connector

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Our technical support service will be happy to provide
you with a quote for your project:
sales.int@bg-graspointner.com

References



Square-shaped and **well-sealed.**

BG-SIGMA grid unit system

The BG-SIGMA drainage channels are made from 1.4301 or higher quality stainless steel and are used to conduct water from the floor area into a waste water collecting system. The specially developed flange connector ensures absolutely leak-proof laying of the channel run.

This high-quality and individual drainage system can be adapted to suit your needs. Practically any height, width and load capacity are possible. Stainless steel mesh gratings up to class C 250 are available as covers.

Areas of application:

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

up to class C 250

Liquid-tight joints

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

Perforated, continuous flange plate

- durable connection of the floor coating to the drainage channels

Elevation

- height-adjustable elevation rack as a complete set



GRASPOINTNER
Sustainable innovation.

Grating

- I.4301 stainless steel mesh grating
- Mesh width 30/10 or 30/30 mm
- load class B 125 or C 250
- optional bolting upon demand

Sump pit frame

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

Front/end cap

- tightly welded (incl. perforated flange plate)
- tight closure of channel run

Channel body

- made from I.4301 or higher quality stainless steel
- nominal width: 150 mm
- visible width: 208 mm
- element length: 4000 mm (adjustable to the line length)
- material thickness: 1,5 mm

Anchor bar

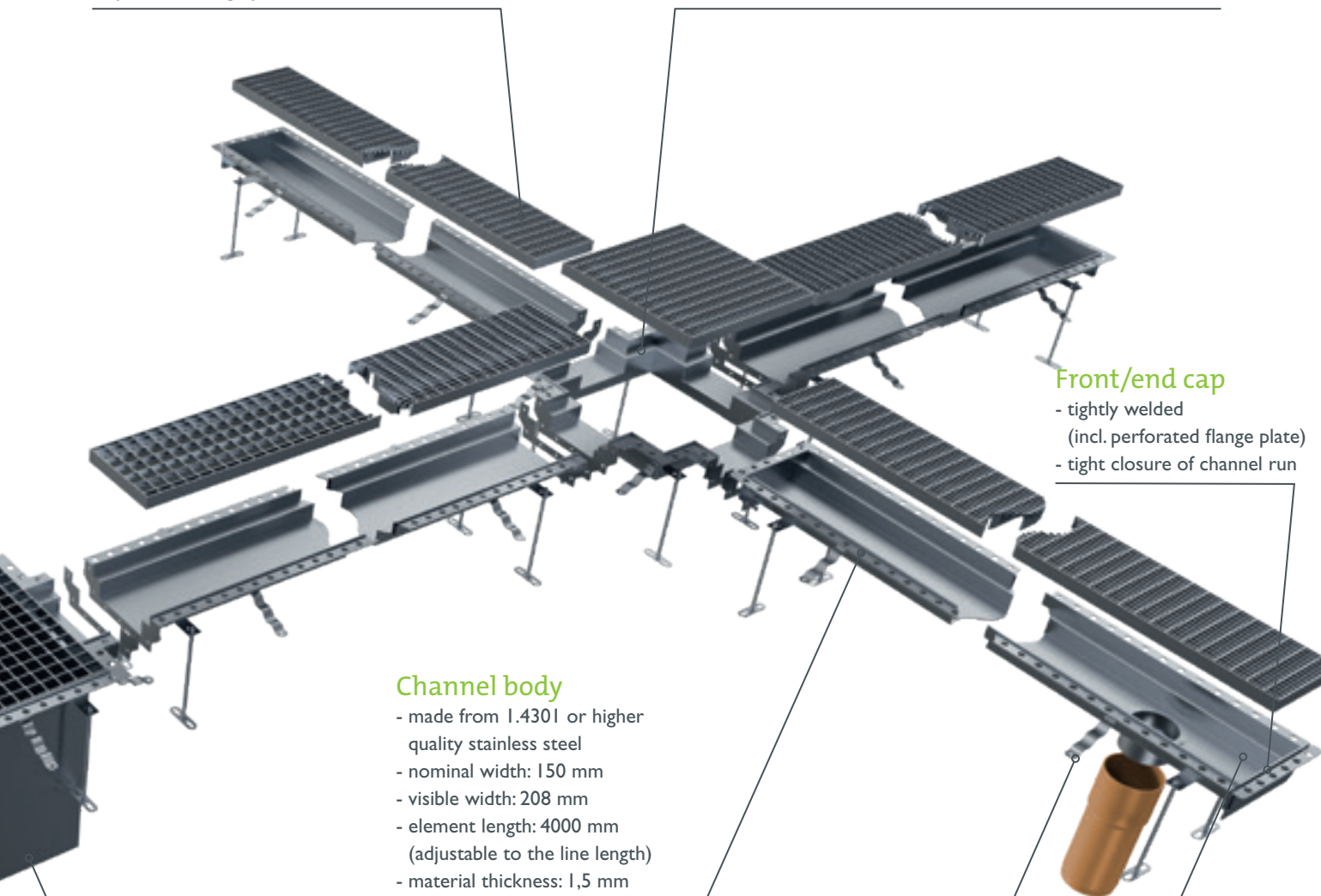
- for permanent fixing of the channel body in the adjacent floor structure

Sump pit basin

- as a connecting element
- also for T, corner and cross connections
- can be placed anywhere in the channel run
- with leak-proof, welded stainless steel basin
- as a catch basin or retention basin

Outlet elements

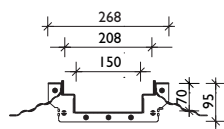
- outlet nozzle with diameter of choice
- can be placed individually in the channel run
- outlet as a supply line, e.g. for an oil separator





BG-SIGMA

up to class C250



BG-SIGMA grid unit, nominal width 150 - STAINLESS STEEL

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

BG-SIGMA without slope - material thickness: 1,5 mm	Length mm	Height mm	Weight
BG-SIGMA grid unit with flange, nominal width 150, without slope, standard length: 4000 mm / visible width: 208 mm / nominal width: 150 mm internal height: 70 mm / incl. mesh grating stainless steel I.4301	4000	95	29 kg

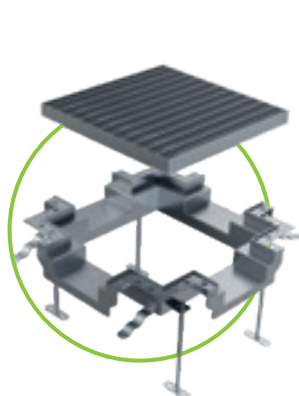


Flange connection
with NBR seal bolted

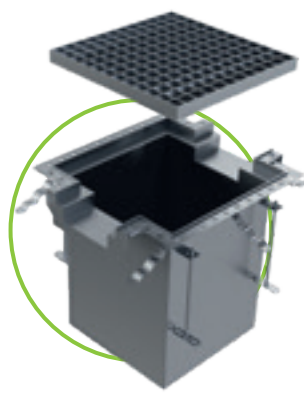
BG-SIGMA outlet elements

Sump pit frame or sump pit basin, can be placed anywhere in the channel run, as a connecting, end, T or cross piece

Sump pit frame	Material	Height mm	Weight
BG-SIGMA sump pit frame - end piece	stainless steel	100	5,3 kg
BG-SIGMA sump pit frame - corner or connecting piece	stainless steel	100	5,5 kg
BG-SIGMA sump pit frame - T-element	stainless steel	100	5,7 kg
BG-SIGMA sump pit frame - cross element	stainless steel	100	5,8 kg
Sump pit basin	Material	Height mm	Weight
BG-SIGMA sump pit basin - end piece	stainless steel	482	13,3 kg
BG-SIGMA sump pit basin - corner or connecting piece	stainless steel	482	13,4 kg
BG-SIGMA sump pit basin - T-element	stainless steel	482	13,6 kg
BG-SIGMA sump pit basin - cross element	stainless steel	482	13,8 kg
Gratings for sump pits	Load class	Height mm	Weight
Mesh grating 397/397/30, MW 30/10	B 125 kN	30	7,0 kg
Mesh grating 397/397/30, MW 30/30	B 125 kN	30	5,0 kg
Mesh grating 397/397/30, MW 30/10	C 250 kN	30	7,8 kg
Mesh grating 397/397/30, MW 30/30	C 250 kN	30	6,0 kg



BG-SIGMA
Sump pit frame



BG-SIGMA
Sump pit basin

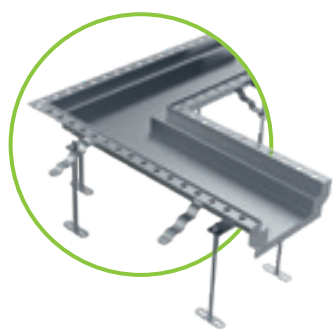


Please note that these products are manufactured to order – no in-stock products!

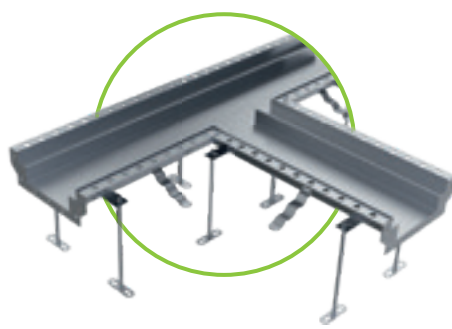
Gratings and accessories

for BG-SIGMA grid unit, nominal width 150

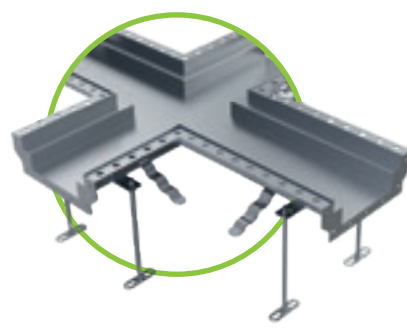
Gratings without bolt connection	Load class	Height mm	Weight
Mesh grating 1000/197/30, MW 30/10	B 125 kN	30	8,0 kg
Mesh grating 1000/197/30, MW 30/30	B 125 kN	30	6,0 kg
Mesh grating 1000/197/30, MW 30/10	C 250 kN	30	10,0 kg
Mesh grating 1000/197/30, MW 30/30	C 250 kN	30	8,0 kg
Accessories	Material	Height mm	Weight
BG-SIGMA corner piece 90°, leg length 700 x 700 mm	stainless steel	95	8,9 kg
BG-SIGMA T piece, leg length 1000 x 700 mm	stainless steel	95	11,6 kg
BG-SIGMA cross piece, leg length 1000 x 700 mm	stainless steel	95	11,2 kg
Additional charge for tightly welded drain nozzles DN 100, bottom			
Additional charge for bolted gratings per running meter / grate incl. sump pit			



BG-SIGMA corner piece 90°,
leg length 700 x 700 mm



BG-SIGMA T piece,
leg length 1000 x 700 mm



BG-SIGMA cross piece,
leg length 1000 x 700 mm

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sales.int@bg-graspointner.com

References





BG Accessories



BG sealing system

for channels with safety joint

Quantity determination see www.bg-graspointner.com

Item no.	General application - e.g. parking areas, open spaces	Package
31300	BG sealant 1K - standard, concrete gray - product: Sikaflex Pro 3	600 ml/bag
31302	BG primer - product: Sikaflex Primer 3N	250 ml/can
31206	Separation tape 9 mm	25 m/pack
31203	Applicator gun 450 ml - 600 ml	pc.
Item no.	Specifically for dangerous goods areas - e.g. petrol stations	Package
31301	BG sealant 1K - special, concrete gray - product: Sikaflex-Tank N	600 ml/bag
31302	BG primer - product: Sikaflex Primer 3N	250 ml/can
31206	Separation tape 9 mm	25 m/pack
31203	Applicator gun 450 ml - 600 ml	pc.



80018 - BG lifting grab for channels and cable troughs

BG lifting tools

for simple and easy lifting

Item no.	Lifting tools	Load capacity	Opening width	Own weight
80002	BG lifting grab for manual laying	ca. 150 kg	0 - 400 mm	ca. 4,5 kg
80018	BG lifting grab for channels and cable troughs ¹⁾	ca. 250 kg	150 - 600 mm	ca. 18 kg
80019	BG lifting grab for channels and cable troughs ²⁾	ca. 600 kg	50 - 600 mm	ca. 29 kg
80022	BG lifting grab for FILCOTEN green, BGZ-S 300, 400 and 500 ³⁾	ca. 1.400 kg	50 - 780 mm	ca. 150 kg
80023	BG lifting grab for FILCOTEN green, BGZ-S 400 and 500 ⁴⁾	ca. 500 kg	185 - 775 mm	ca. 50 kg
19115900	BG lifting-hook for FILCOTEN one NW 150, painted green (2 pcs.)	ca. 300 kg		1,9 kg
19120900	BG lifting-hook for FILCOTEN one NW 200, painted black, (2 pcs.)	ca. 300 kg		2,1 kg
80060	BG lifting strap for BG-SI safety channels and BGZ-S (2 pcs.)	ca. 2.000 kg	strap length 4 m	ca. 3,2 kg
82040	Strops M 12	500 kg		ca. 0,1 kg

¹⁾ Grab accesses inside, suitable for NW 150

²⁾ Grab accesses outside, suitable for NW 100

³⁾ Grab accesses outside, suitable for NW 300, 400 and 500

⁴⁾ Grab accesses inside, suitable for NW 400 and 500



80002 - BG lifting grab for manual laying



80019 - BG lifting grab TSZ-uni for channels and cable troughs



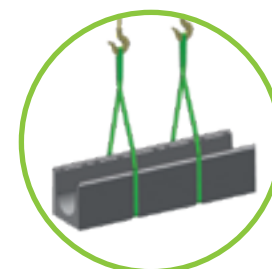
80022 - BG lifting grab FTZ-Multi for FILCOTEN green, BGZ-S NW 300 BH615, NW 400 and NW 500 (2,5 m)



80023 - BG lifting grab for FILCOTEN green and BGZ-S NW 400 (1m) / NW 500 (1m)



BG lifting-hook (consisting of 2 pcs.) for FILCOTEN one
19115900 - NW 150 (green) and
19120900 - NW 200 (black)



80060 - BG lifting strap for BG-SI safety channels and BGZ-S heavy-duty channels



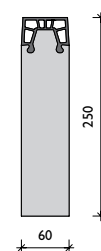
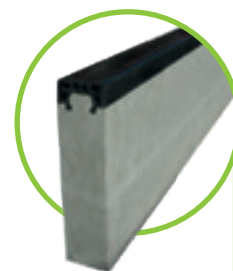
Please note the delivery time may be longer for this product group!

BG soft kerbstones

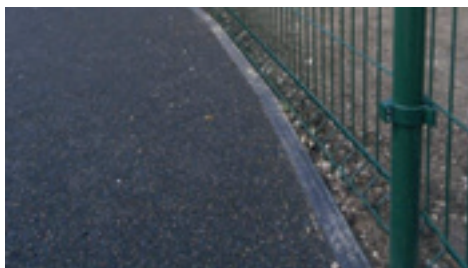
BG soft kerbstones

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

Item no.	Soft kerbstones made of concrete incl. rubber edge (black)	Weight	Pc./pallet
6500 I	BG soft kerbstones 1000/60/250	32 kg	17
Item no.	Soft kerbstones - corner piece made of concrete incl. rubber edge (black)	Weight	Pc./pallet
6501 I	BG soft kerbstones - corner piece 250/250/60/250	14 kg	20



References

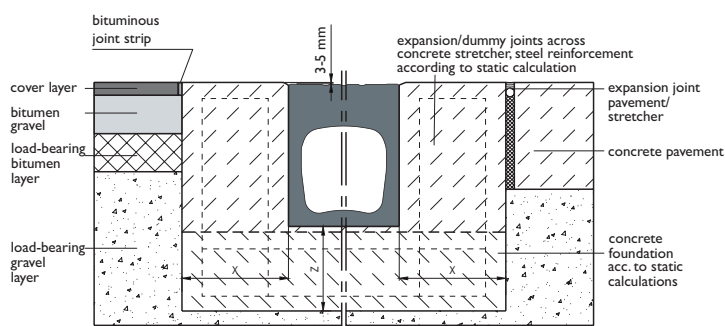
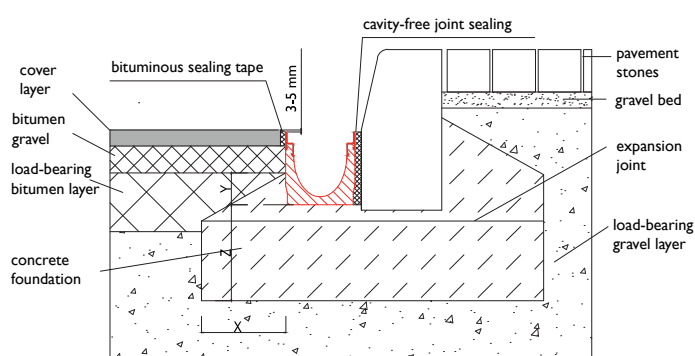
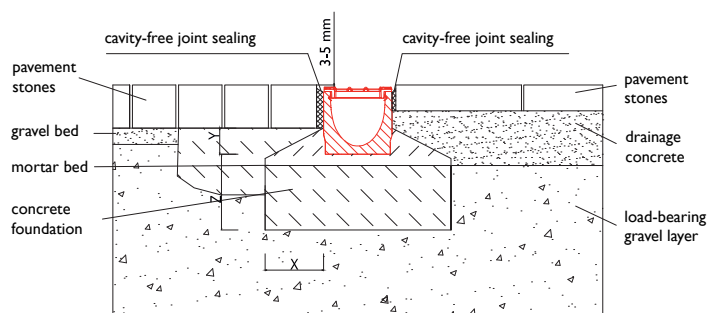


Please note the delivery time may be longer for this product group!



BG installation guidelines

Concrete channels



load class	A 15 kN	B 125 kN	C 250 kN	D 400 kN	E 600 kN	F 900 kN
concrete quality - base according to Ö-Norm B 4710-1 *	C16/20	C20/25	C20/25	C25/30	C25/30	object-specific
fundament width: X	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 15 cm	≥ 15 cm	on request
fundament height: Y	min. channel height -5 cm			construction height of the channel		on request
fundament strength: Z	≥ 8 cm	≥ 10 cm	≥ 15 cm	≥ 20 cm	≥ 20 cm	on request
reinforcement bar	unnecessary				Ø = 8 mm all 20 cm	acc. to static

*Required minimum quality strength concrete, which has to be adapted to the local requirements.

Further information can be found on our website www.bg-graspoinetner.com or by contacting one of our technical engineers should installation conditions change.

ATTENTION: Acceleration, braking and torque forces must be taken in consideration for product selection and installation. Installation must be performed according to the installation instruction. Technical specifications are subject to change without further notice.

The following installation guidelines and examples are designed to use for an accepted standard. The load class and the installation location according to EN 1433 have to be adapted to the location conditions from the planner. Consider the common known technical rules and guidelines which are accepted among experts.

1. BG concrete drains are set up in a concrete foundation according to Ö-Norm B4710-1 or in drainage-concrete according to RVS 08.18.01. Mind the slope of the channel while excavating. Each channel is marked with an arrow showing the direction of flow - see the table below for details and measurements.

2. For a traffic-safe fastening of the grates we recommend, depending on the application area, to use grates with a quick-locking system or in conjunction with locking- or fixing-clips. According to Ö-Norm EN1433 from cl. D 400 kN there is to use preferably a locking device e.g. bolting material.

3. The rebated joint between the channel bodies can be sealed and cemented with appropriate sealing compounds - for description of material and quantity calculation see - BG sealing system.

4. Before assembling the adjacent cover layer make sure that the covers are inserted and if necessary fixed or the channels are braced adequate against compression. Pay attention not to damage the channels while compacting the superstructure and the pavement (asphalt, pavement, concrete).

5. If there are occurring horizontally forces (e.g. due to concrete areas, gradients,...) you have to build out an adequate running joint at an interval of 30 - 200 cm from the channel. In a concrete area where there are running joints crossing the channel line they have to be arranged to go through a rebated joint of the line.

6. In order to prevent uncontrolled stress cracks in a concrete stretcher along a channel line, planned crack or expansion joints must be added at regular intervals, according to recognised rules of technology 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 on the concrete quality and the ambient temperatures during concreting – as well as the concrete after treatment – and should be carried out according to specification.

7. All adjacent surfaces should be permanently 3-5 mm higher than the surface of the channel/grate to avoid mechanical damage (e.g. snow clearing) and to guarantee the water drainage.

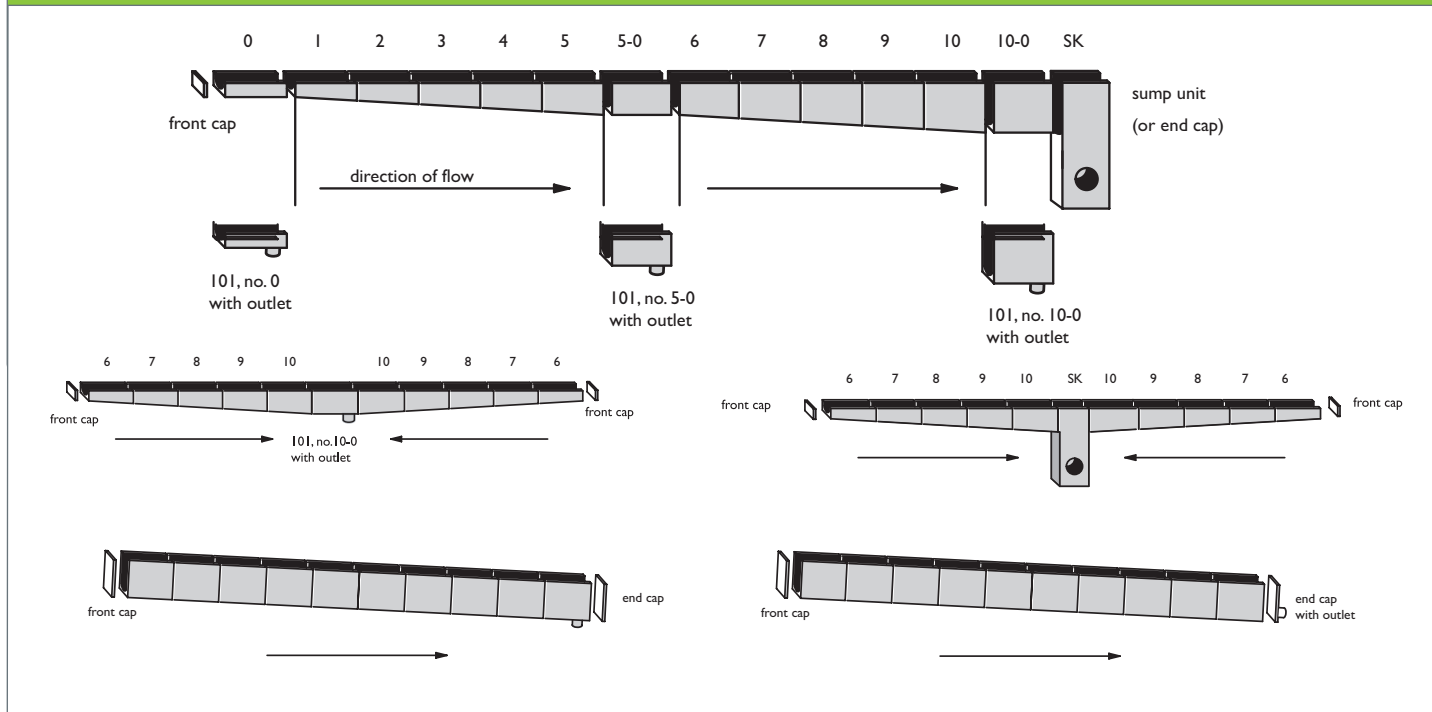
8. In areas that were enhanced chemical attacks (eg. de-icing salts, acids, bases, etc.) can be expected, we recommend to install drainage channels with stainless steel edge or to use steel-channels out of stainless steel with high quality.

9. Drainage channels are not suitable to use across the road on motorways and highways.



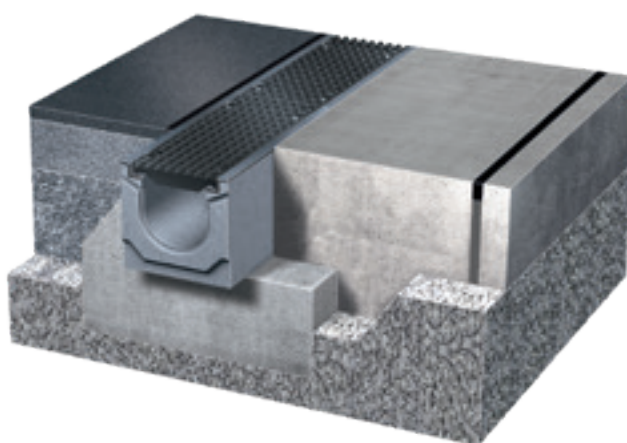
The installation instructions also apply to sump units.

INSTALLATION EXAMPLES



Installation concrete channels without edges.

- resilient up to class C 250 kN
- paving stones or slabs can be laid directly next to the channel
- the grating's special construction ensures no concrete edges are visible (FILCOTEN light)
- separate gratings can be interlocked



Installation concrete channels with edges.

- resilient up to class F 900 kN - dependent upon channel model
- surrounding covering surfaces (asphalt, concrete) can be easily and neatly processed on the edges of frames
- if horizontal forces may occur (runway concrete), an expansion joint is to be installed at a distance of 30-200 cm
- gratings should primarily be bolted in place for load class D 400 kN and above



BG installation examples

BG-OMEGA and BG-SIGMA

A) BG-OMEGA installation guidelines

B) BG-SIGMA installation guidelines

1) A+B The BG installation and maintenance guidelines and installation examples below are intended for standard applications. The load class and installation location in accordance with EN1433 should be adapted during planning to suit the local conditions. The technical policies and guidelines generally recognized among experts should be taken into consideration. In special cases, please contact BG Application Engineering.

2.1) A+B A recess in accordance with the installation examples must be provided in order 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 laying plan/installation instructions in the designated location and rotated correctly to be able to establish a sealed flange connection – attention should be paid to the equal size/height of the flange.

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

2.3) B First, the pipe nozzles/outlet piece 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) – the channel edge provides the level of the finished floor. If a sump pit frame or a sump pit basin is used (instead of connection to the sewer), place this over the sump pit first and level accordingly.

2.4) A+B Clean the flanges of the channel elements thoroughly (dirt must be removed) and bolt together including seal – the bolting 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 leveled, it must be secured against slipping by concreting or grouting – to this end, tighten the second nut on the racks from above and dowel them or set them in concrete locally.

2.7) A+B Cover the channel with pour protection to avoid concrete spills on the channel surface.

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 be fully supported. Otherwise the channel body may deform under loading at a later point.

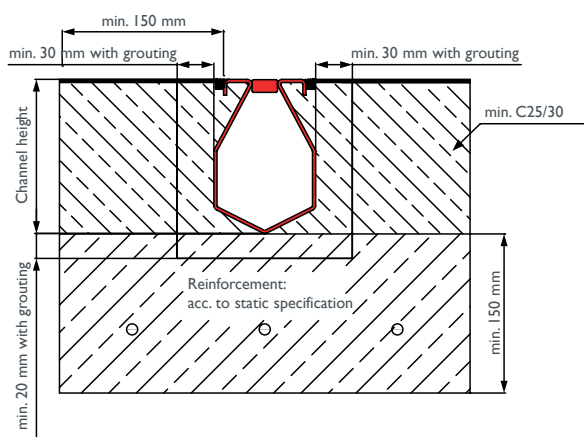
2.10) A+B When pouring and vibrating the concrete, take care that the position and shape of the channel body does not change.

3) A We recommend creating a maintenance joint between the BG-OMEGA channel and the road connector. The maintenance joint should be installed using a high elasticity sealant. Apply coating in accordance with the coating manufacturer's specifications.

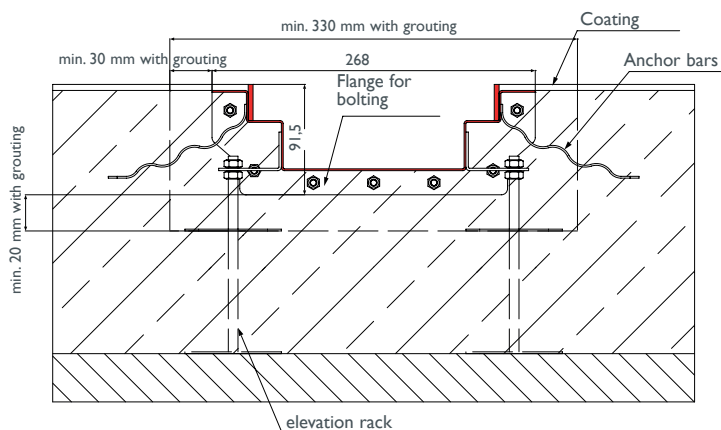
4) A All adjoining floor covering surfaces should be permanently approx. 1-1.5 mm higher than the surface of the channel in order to ensure proper water drainage.

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

BG-OMEGA installation example:



BG-SIGMA installation example:



Installation example BG-FA facade channel.

Installation with limited building seal connection height

When a BG-FA facade channel is used, the initial seal connection height of 10 cm can be limited to 3 cm or even 1 cm in areas surrounding doors. Seal heights are stipulated in Austrian Standard ÖNORM B 3691 and must be adhered to during construction.

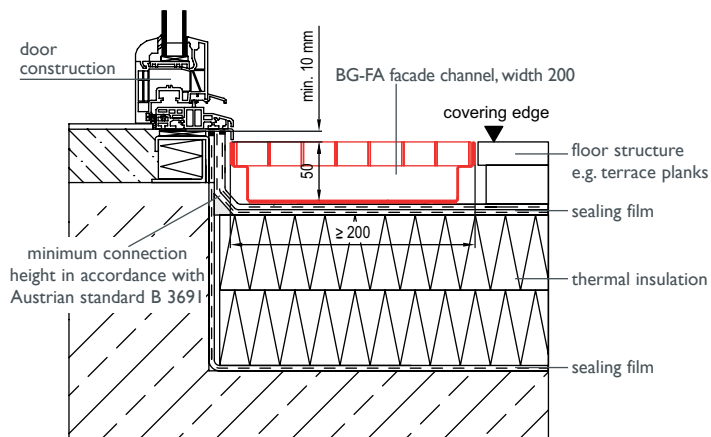
Installation on a roof terrace

The BG-FA facade channel with a branch channel can even be used in a construction of insignificant height and is advisable to use where there is a long distance to the next roof drain (top section).

Installation for soil touching areas

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

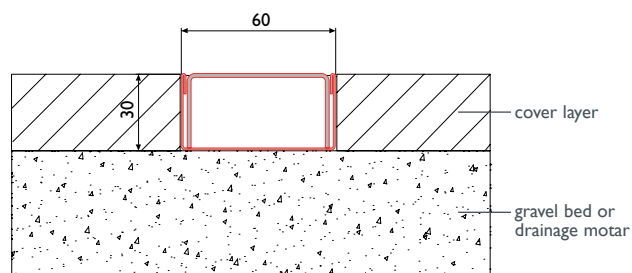
BG-FA closed facade channels are suitable for controlled drainage of precipitation water, and can be connected to the surface drainage system.



Installation example BG-TM terrace channel.

BG-TM terrace channels are used for terrace drainage in combination with paving plates. Because of their low 30 mm height they can be placed anywhere between paving plates on the gravel without any special substructure being required.

Accumulating surface water is reliably and rapidly drained through the perforated cover grate.

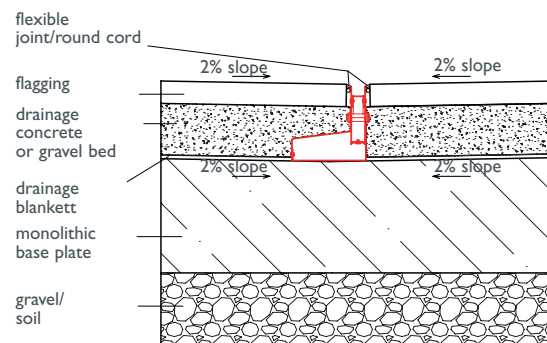


Installation example BG-TE terrace slot channel.

The BG-TE Terrace slotted channel is mainly used for drainage of terraces and gardens. The big advantage is that this channel enables drainage on two levels - the floor covering and the underlying base plate.

Through the narrow slot together with the slot inlay the surface water is being derived and the intruding seepage is absorbed by the slotted channel body.

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



NOTE: Galvanised channels must not be laid on fresh lime or cement mortar, and must not be grouted with acetic silicone so as to avoid corrosion.

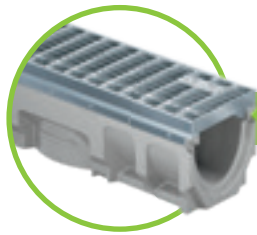


For any further questions, please contact our technical department.



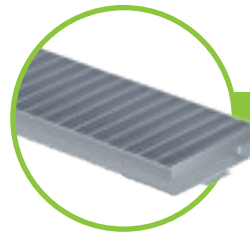
Materials description

Properties for material selection



galvanised steel

Steel elements in the channels systems are covered with a protective layer of zinc. To ensure lasting corrosion protection, this layer must itself be protected against mechanical and chemical damage. Contact with calcareous or cement-bound materials (screed, etc.) can destroy or dissolve the protective zinc layer. Condensation also corrodes the protective zinc layer through white rust formation – this is not a defect. Edges cut on-site of galvanised channel bodies and covers are to be suitably treated for corrosion protection.



stainl. steel (1.4301)

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 case of contact with road salt.

For our stainless steel edges and grates, AISI no. 1.4301 (V2A) is used as standard. Stainless steel grates made of AISI no. 1.4404 (V4A) are available for an extra charge.

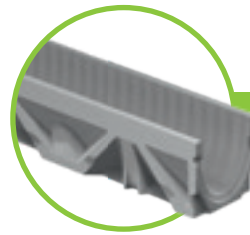


Cast iron

Cast iron has a high resistance against aggressive media such as salt water.

The „rust-brown“ discolouration of the cast iron is due to a natural oxidation process and protects from further oxidation.

The so-called „rust“ does not weaken the ground material and does not constitute a complaint reason.



FILCOTEN HPC

FILCOTEN® HPC (High Performance Concrete) is a material that combines excellent technical properties with sustainability. The optimized high-density microstructure of the HPC allows the construction of drainage channels in lightweight design with the same stability and load class as conventional concrete systems. Raw material savings, 100% recyclability¹⁾ and its certified non-toxicity²⁾ make FILCOTEN® unique in terms of its environmental friendliness.



Concrete

Production and monitoring of the quality requirements in accordance with EN 1433 - monitored and certified according to ISO 9001.

- Mineral raw materials
- High strength and frost resistance
- Fire protection class A1
- Verified life cycle assessment (LCA) according to ISO 14040 & ISO 14044 or EN 1433
- UV resistance
- Production with 100% green electricity
- Strong bond and adhesion with the concrete bed
- Low water absorption and penetration
- Free from: VOCs, Styrene and BTEX, heavy metals, radioactivity

¹⁾ Quality class UA (certified by the experimental and research Institute for construction Salzburg).

²⁾ Meets the strict criteria of the Institute for Building Biology Rosenheim (IBR).



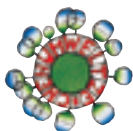


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* Our contribution to the reforestation project of BOKU Wien in Ethiopia

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