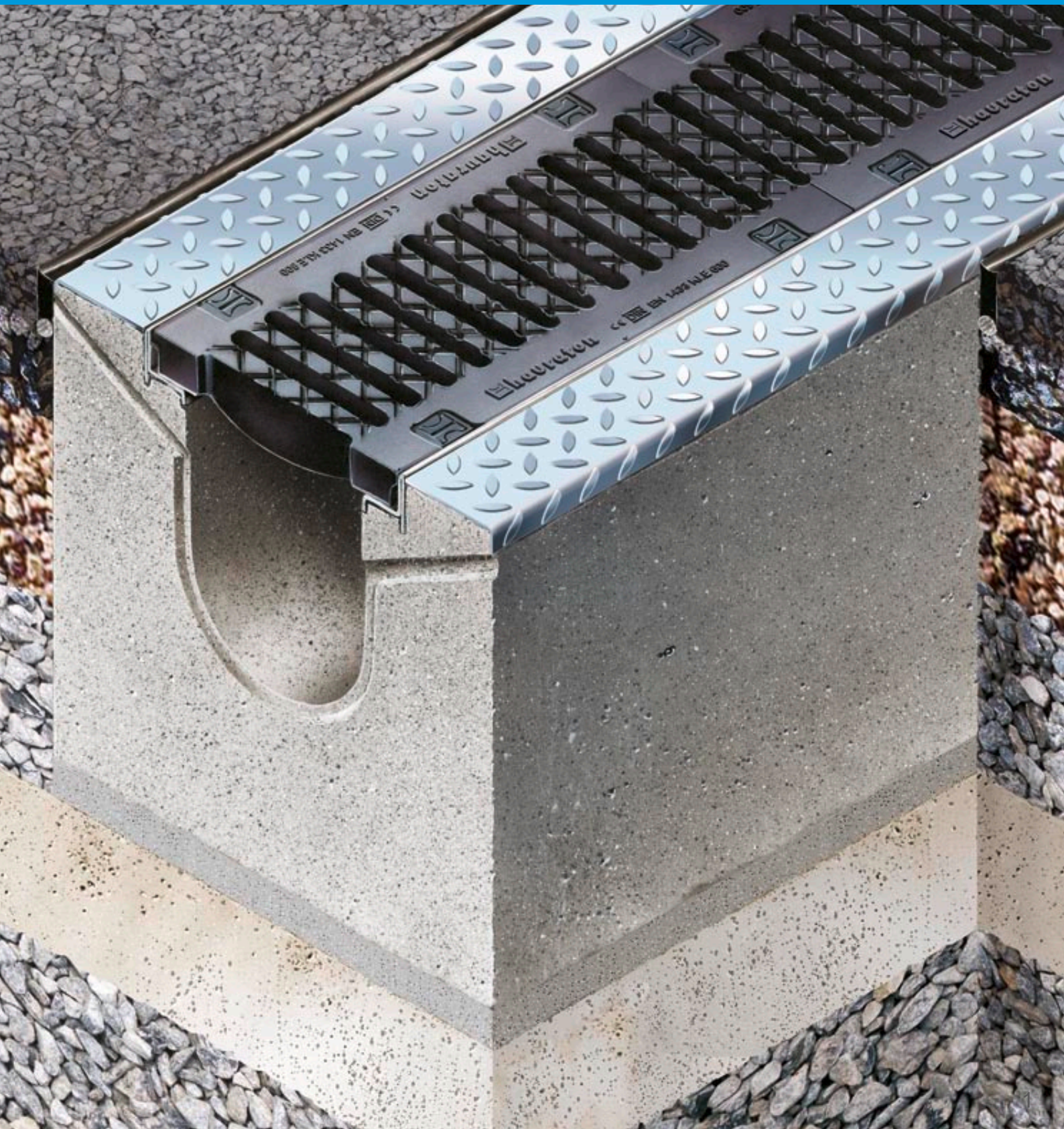


# FASERFIX®BIG

**RELIABLE DRAINAGE - EASY TO INSTALL.**  
FOR MAXIMUM LOADS IN HEAVY ROAD TRAFFIC







## AT A GLANCE

- ✓ Bespoke channels with very high lateral strength
- ✓ For service under very heavy loads
- ✓ Easy to seal
- ✓ General building regulation approval
- ✓ Complies with DIN EN 1433
- ✓ Anti-slip face protection in galvanised steel

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## REQUIREMENTS

Depending on the location, drainage channels can be exposed to strong dynamic forces and extreme loads under heavy road traffic conditions. In these situations the strength of the surface and sidewalls of the channel construction are severely tested. Depending on the type of duty (e.g. filling stations and tank installations) it is mandatory to prevent fuel and oils from entering into the ground. Various regulations have to be complied with such as 'Quality guideline for concrete paving slabs at filling stations' (GBT), LAWA/KIWA guidelines, § 19 of the Water Resources Act (WHG), DIN 1045 and DIN EN 1433.



FASERFIX BIG channels have the benefit of a general building control approval issued by the DIBt.

## SOLUTION

FASERFIX BIG channels are heavy-duty channels made from fibre-reinforced concrete or concrete C 35/45 XF4. The edge protection and grating support surfaces consist of corrosion-protected steel angle housings or stainless steel angle housings. All channel base segments feature safety joints which can be sealed by the contractor against liquid ingress using MASTERFLEX 700 FR gun grade polysulphide sealer. The official material testing station at Karlsruhe University has tested the channel base segments in accordance with the 'Quality guideline for concrete paving slabs in filling stations' (GBT) and for compliance with DIN 1045. We are happy to send you copies of the test certificates of tests for exposure to petrol, diesel or kerosene.

Where it is imperative to install a system that is perfectly sealed against the ingress of liquids, it is possible to form a sealing joint along the top edge of the channels in accordance with IVD Technical Note No. 6. FASERFIX BIG channels with concrete casing offer very high lateral strength; structural breaking load evidence is available in accordance with SLW 60 of DIN 1072. These channels do not require costly works during installation, such as additional in-situ concrete casings. Where the application requires mandatory or desired integrity against liquids, the long channel lengths of up to 4 m result in considerable savings since significantly less joints have to be sealed. FASERFIX BIG SL channels are made from fibre-reinforced concrete and include a wear-resistant galvanised steel face protection of the concrete casing.

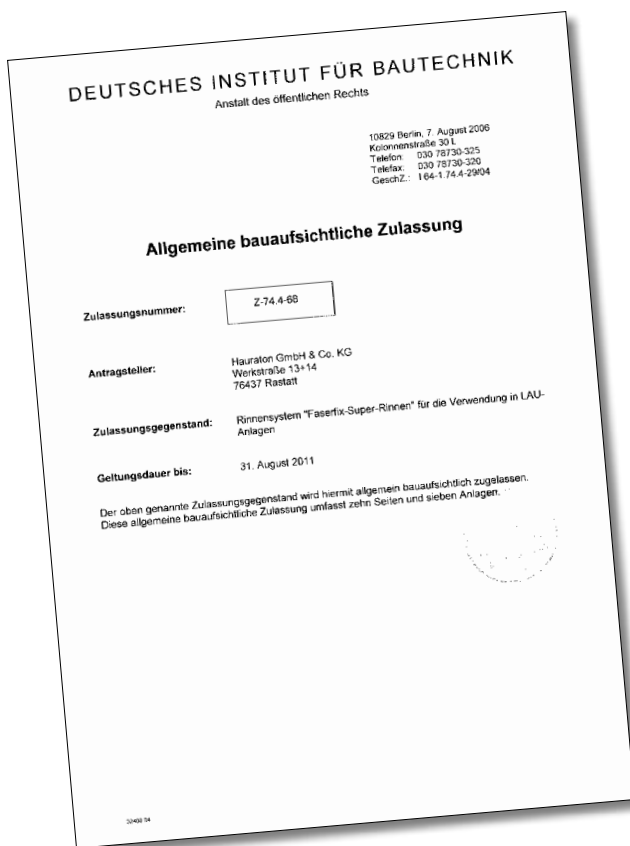




FASERFIX BIG channels for maximum load applications.



Long channel segments mean fast and efficient installation.



They are particularly suited for locations with frequent and heavy load exposure and feature good-looking slip-resistant surfaces of the concrete casing. The gratings for the FASERFIX BIG channels are made from ductile iron and are attached to the channel angle housing using the SIDE-LOCK boltless locking system for safe fixing. The classification and testing meets the requirements of DIN EN 1433. In case of special requirements regarding resistance to chemicals, FASERFIX BIG channels can also be coated with approved coating systems; to be carried out by the contractor. We would be happy to let you have a list of contractors with approval in accordance with § 19 WHG.

## APPLICATION AREAS

For all areas with heavy road traffic, such as ports, storage yards and production facilities, container stations and airports. Filling stations and tank installations where channels sealed against fuel ingress are required in accordance with the 'Quality guideline for concrete paving slabs at filling stations' (GBT) and the LAWA-/KIWA guidelines. For the drainage of polluted wastewater and for collecting and retaining extinguishing water.

## TEST CERTIFICATES

The official material testing station at Karlsruhe University has successfully tested the FASERFIX BIG channels in accordance with the 'Quality guideline for concrete paving slabs in filling stations' (GBT). These tests are designed to measure the penetration depth of diesel, petrol and kerosene. We are happy to send you copies of the test certificates.

**FASERFIX BIG channels have the benefit of the general building control approval by the DIBt:**

FASERFIX BIG SL channels, approval no. Z-74.4-67

FASERFIX BIG BL channels, approval no. Z-74.4-66

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FASERFIX BIG channels meet the requirements of DIN EN 1433 and are suitable for the following load categories:



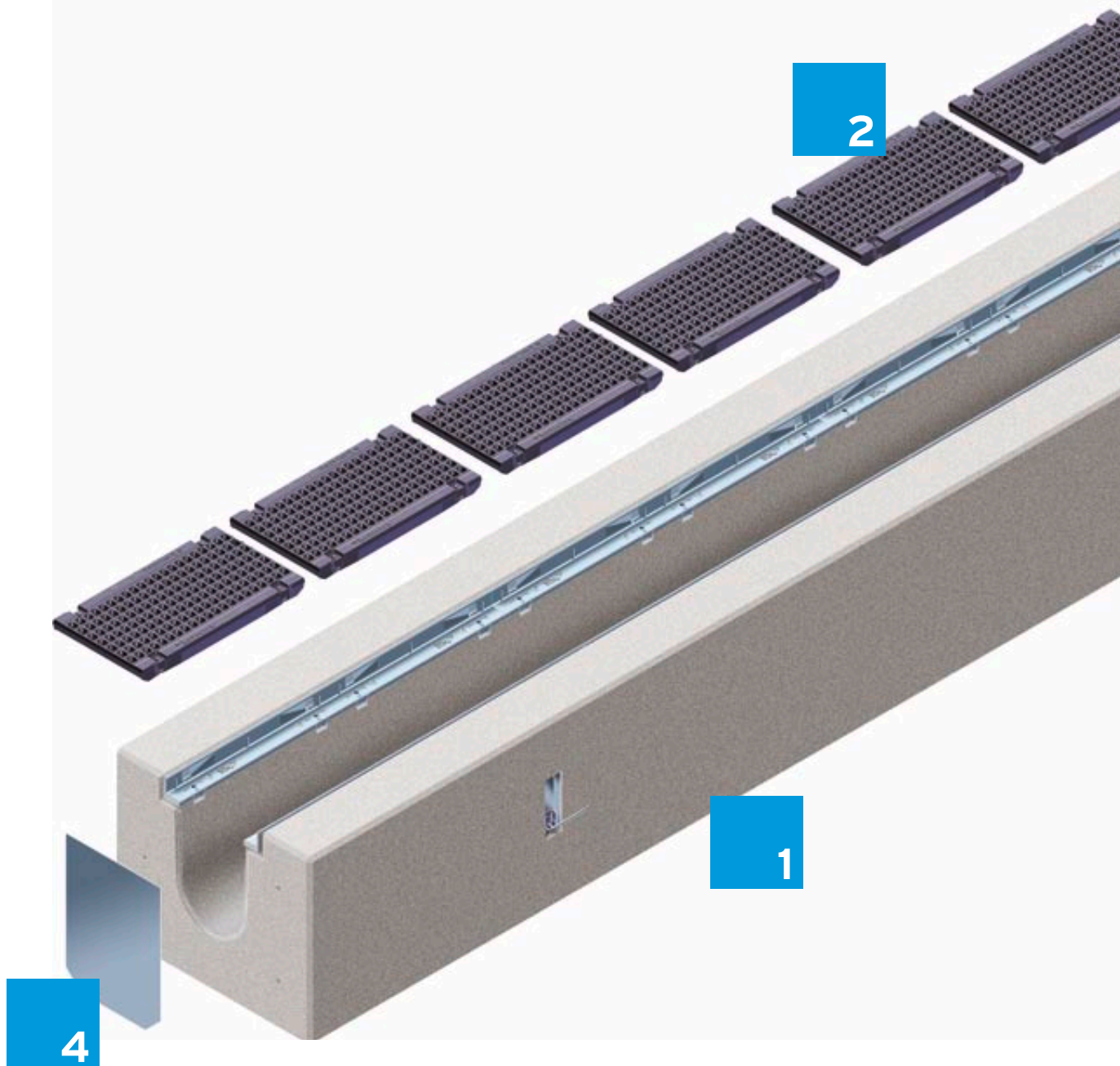
**CATEGORY D 400,**  
**LOAD CLASS 400 KN**

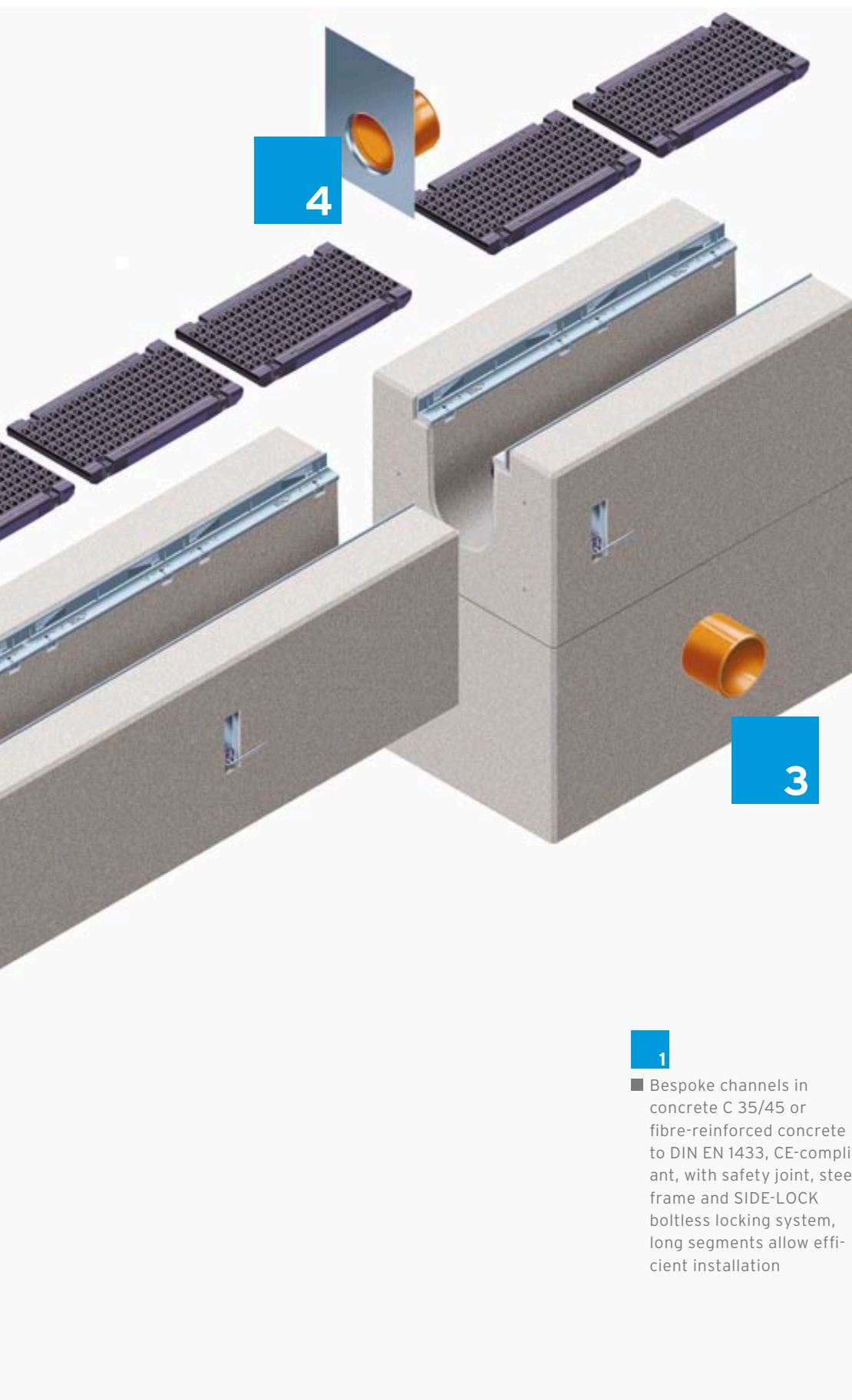


**CATEGORY E 600,**  
**LOAD CLASS 600 KN**



**CATEGORY F 900,**  
**LOAD CLASS 900 KN**





1

- Bespoke channels in concrete C 35/45 or fibre-reinforced concrete to DIN EN 1433, CE-compliant, with safety joint, steel frame and SIDE-LOCK boltless locking system, long segments allow efficient installation

2

- Numerous grating options, e.g. GUGI-Ductile iron mesh gratings

3

- Inlet bucket with integrated KG sleeve in DN 150 and galvanised steel bucket

4

- End caps with and without outlets

FASERFIX®SUPER KS

FASERFIX®BIG

FASERFIX®TRAFFIC

RECYRFIX®SUPER KS

RECYRFIX®PLUS X

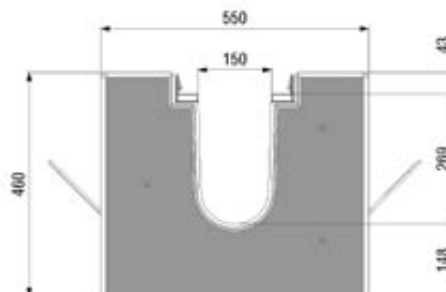
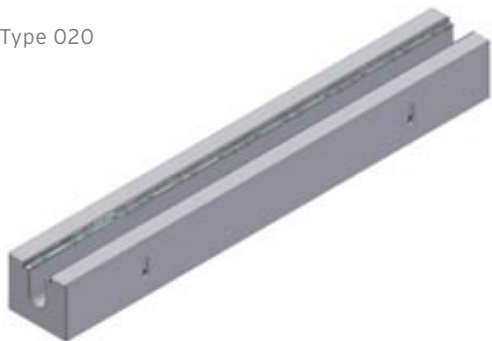
RECYRFIX®HICAP

FASERFIX®POINT

# FASERFIX®BIG BL 150

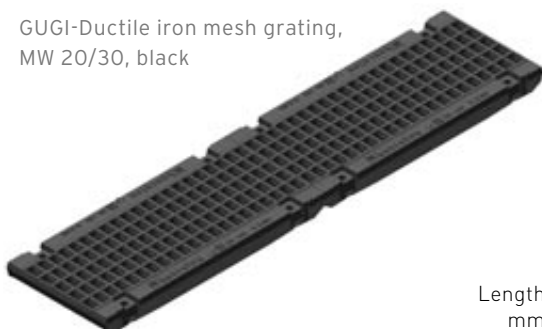
## FASERFIX®BIG BL 150 - Channel lower parts

Type 020



	Length mm	Width mm	Height mm	Drainage cross- sect. cm <sup>2</sup>	Weight kg	Article No.
Type 020	4000	550	460	383	2010,0	2744

## FASERFIX®BIG BL 150 - Gratings, class E 600

GUGI-Ductile iron mesh grating,  
MW 20/30, black

	Length mm	Width mm	Height mm	Intake cross- sect. cm <sup>2</sup> /m	Weight kg	Article No.
GUGI-Ductile iron mesh grating, MW 20/30, black	500	227	40	628	11,5	2068

## FASERFIX®BIG BL 150 - Gratings, class F 900

Ductile iron grating  
SW 150/20, black

	Length mm	Width mm	Height mm	Intake cross- sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating SW 150/20, black	500	227	40	710	9,8	2061

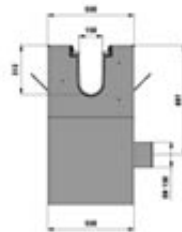
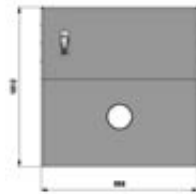


# FASERFIX®BIG BL 150

## FASERFIX®BIG BL 150 - Accessories



Trash box element with KG-sleeve  
DN 150 and galvanised bucket



Foul air trap DN 150



Foul air trap DN 100, outside



UPVC-outlet DN 100



PVC - connection DN 150

	Length mm	Width mm	Height mm	Weight kg	Article No.
Trash box element with KG-sleeve DN 150 and galvanised bucket	1000	550	1010	680,0	2755
Foul air trap DN 150	-	-	-	2,0	960
Foul air trap DN 100, outside	-	-	-	0,4	961
UPVC-outlet DN 100	-	-	-	0,2	903
PVC - connection DN 150	-	-	-	0,5	906
End cap closed, galvanised, Type 020	-	240	369	1,3	2083
End cap with horizontal UPVC-outlet DN 150, galvanised, Type 020	-	240	369	1,7	2093
Cutting to length	-	-	-	-	891
Mitre cuts (2 pieces per connection are necessary)	-	-	-	-	892
Drilling of connection holes	-	-	-	-	893
Inserting of PVC union connectors	-	-	-	-	894
Sealing material Masterflex 700 FR Gun Grade, cartridge 450 ml**	-	-	-	1,0	19000
Primer Masterflex 700 A SP, capacity 1000 ml	-	-	-	1,0	20000
Primer Masterflex 700 FE (steel), capacity 1000 ml	-	-	-	1,1	19950
Toolkit for sealing material Masterflex 700 FR Gun Grade	-	-	-	3,1	10025

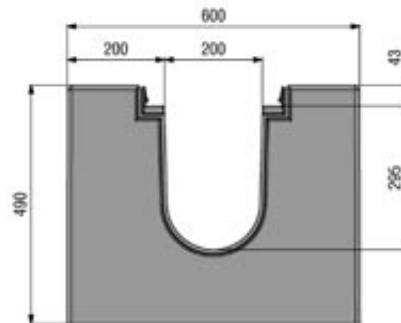
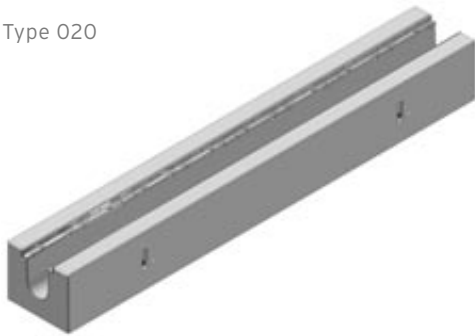
\*\* Consumption of sealing material: approx. 117 ml per joint.



# FASERFIX®BIG BL 200

## FASERFIX®BIG BL 200 - Channel lower parts

Type 020



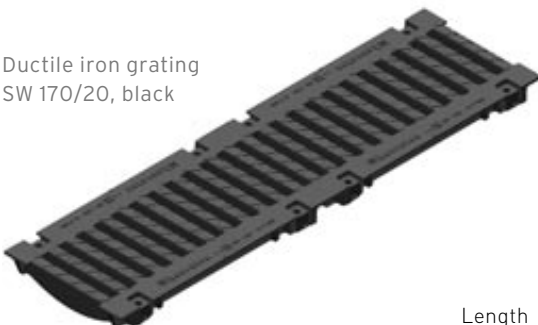
	Length mm	Width mm	Height mm	Drainage cross- sect. cm <sup>2</sup>	Weight kg	Article No.
Type 020	4000	600	490	552	2148,0	3744

## FASERFIX®BIG BL 200 - Gratings, class E 600

GUGI-Ductile iron mesh grating  
MW 20/30, black

	Length mm	Width mm	Height mm	Intake cross- sect. cm <sup>2</sup> /m	Weight kg	Article No.
GUGI-Ductile iron mesh grating MW 20/30, black	500	277	40	818	13,8	3068

## FASERFIX®BIG BL 200 - Gratings, class F 900

Ductile iron grating  
SW 170/20, black

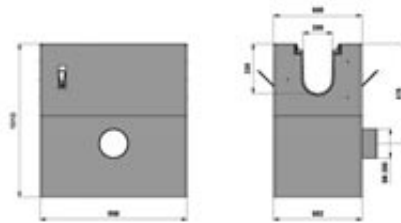
	Length mm	Width mm	Height mm	Intake cross- sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating SW 170/20, black	500	277	40	833	13,6	3061

# FASERFIX®BIG BL 200

## FASERFIX®BIG BL 200 - Accessories



Trash box element with KG-muffle  
DN 200 and galvanised bucket



Foul air trap DN 150



Foul air trap DN 100, outside



UPVC-outlet DN 100



PVC - connection DN 150

	Length mm	Width mm	Height mm	Weight kg	Article No.
Trash box element with KG-muffle DN 200 and galvanised bucket	1000	600	1013	680,0	3755
Foul air trap DN 150	-	-	-	2,0	960
Foul air trap DN 100, outside	-	-	-	0,4	961
UPVC-outlet DN 100	-	-	-	0,2	903
PVC - connection DN 150	-	-	-	0,5	906
End cap closed, galvanised, Type 020	-	290	400	1,8	3083
End cap with horizontal UPVC-outlet DN 150, galvanised, Type 020	-	290	400	2,0	3093
Cutting to length	-	-	-	-	891
Mitre cuts (2 pieces per connection are necessary)	-	-	-	-	892
Drilling of connection holes	-	-	-	-	893
Inserting of PVC union connectors	-	-	-	-	894
Sealing material Masterflex 700 FR Gun Grade, cartridge 450 ml**	-	-	-	1,0	19000
Primer Masterflex 700 A SP, capacity 1000 ml	-	-	-	1,0	20000
Primer Masterflex 700 FE (steel), capacity 1000 ml	-	-	-	1,1	19950
Toolkit for sealing material Masterflex 700 FR Gun Grade	-	-	-	3,1	10025

\*\* Consumption of sealing material: approx. 125 ml per joint.