

# FASERFIX®BIG

Drainage channels with concrete runners for maximum stability under heavy loads.





# FASERFIX®BIG

Drainage channels with concrete runners for maximum stability under heavy loads.

## 1 Requirements

Drainage channels for heavy load traffic must

- withstand strong dynamic forces under heavy road traffic conditions.
- be especially stable and durable.
- be resistant to environmental influences. (frost, heat, moisture )
- correspond to DIN 1433.

## 2 Application areas

- ports
- storage yards
- industrial facilities
- container terminals
- airports
- filling stations and tank installations

## 3 Solution

Therefore FASERFIX BIG channels offer solutions for drainage in heavy road traffic conditions:

- heavy-duty channels made from fibre-reinforced concrete
- **FASERFIX®BIG BL:** corrosion protected angle housings made of galvanised steel
- **FASERFIX®BIG SLG:** edge protection and angle housing made of durable, KTL-coated ductile iron
- gratings up to F 900 according to DIN EN 1433
- particularly secure hold of the covers in the angle housing because of 40mm depth
- Sizes from 100 to 300 mm, each in various heights
- boltless locking system SIDE-LOCK with an additional 8-fold bolt fixing possibility per meter
- Safety joint for easy sealing  
(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.)



extremely stable also for concentrated loads



robust and wear-resistant edge protection made of ductile iron



highest traffic safety due to 8-fold bolted grating



Easy installation due to integrated concrete runner



FASERFIX BIG BL at Budapest Airport in Hungary

FASERFIX®SUPER

FASERFIX®KS

FASERFIX®BIG

RECYRFIX®PLUS X

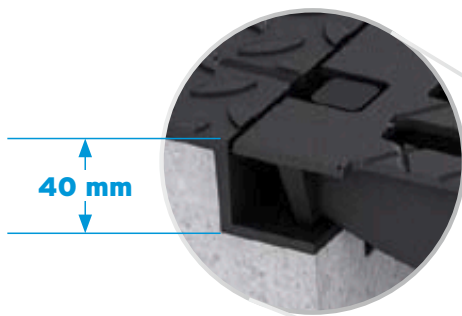
RECYRFIX®NC

RECYRFIX®SUPER

RECYRFIX®HICAP®

FASERFIX®POINT

# The benefits of **FASERFIX®** BIG SLG channels **NEW**



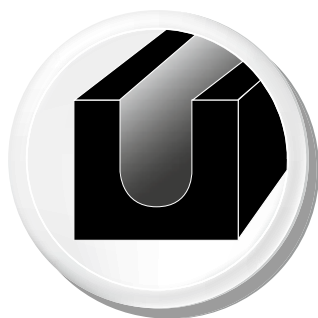
40 mm

## Angle housings

### FASERFIX® BIG SLG

- corrosion protection through KTL-coating
- 40 mm inlaying depth - extremely secure
- 8-fold bolting
- 8-fold shearing protection

**= Security**

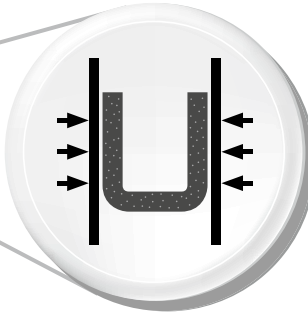


## Massive channel

- sits perfect in position

**= Security**





### High-grade material

- "Made in Germany": central production = one constant high quality
- Most used material on construction
- Fibre reinforced concrete
- Good connection to surrounding concrete (same coefficient)
- Fire resistance class A1 (not flammable) according DIN 4102
- Exceeds all testing demands by far
- Compressive strength class C 50/60
- Exposure class according EIN EN 206-1
  - XF4
  - XA3
  - WA
  - XM3

**= Security**

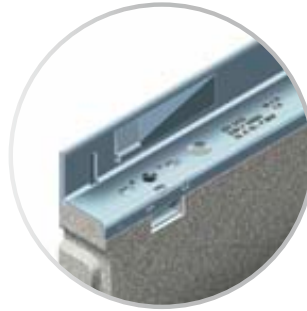
### Robust concrete casings

#### FASERFIX®BIG SLG

- KTL-coated ductile iron surface
- integrated concrete runner saves casing during installation
- channels can be exposed to traffic immediately

**= Security / Cost savings**

# The benefits of **FASERFIX**® BIG BL channels



## **SIDE-LOCK**

- SIDE-LOCK boltless locking system plus additional option for fixing with 8-bolts for even more security in extreme situations
- Extra protection against horizontal movement
- 90 % time savings in fixing the grating (see page 9)

**= Security / Cost reduction**

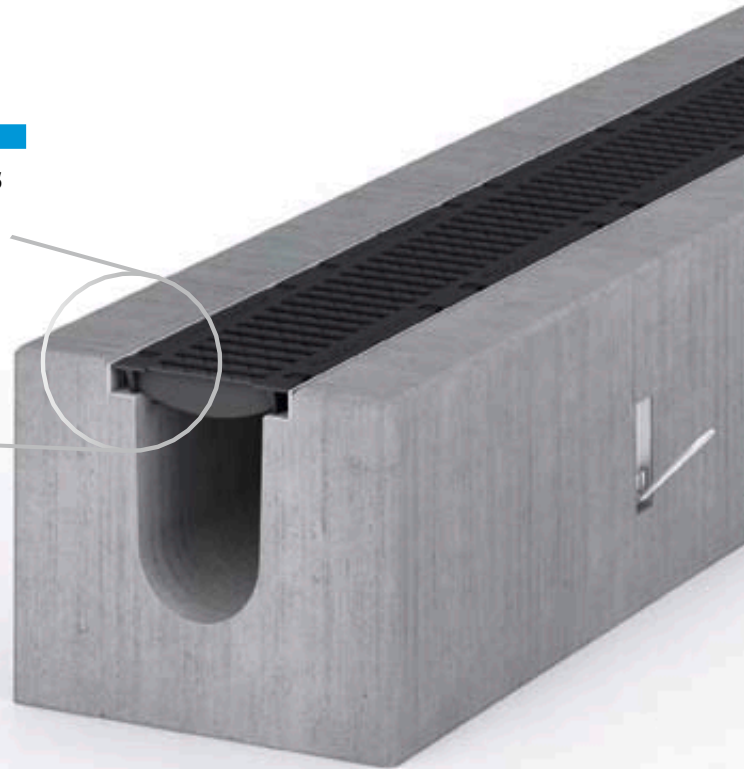


40 mm

## **Angle housings**

- 40 mm inlaying depth - extremely secure

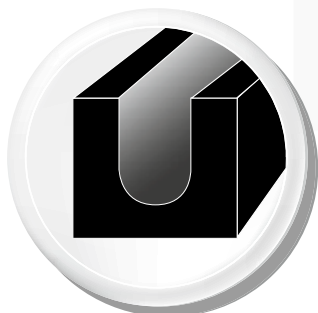
**= Security**



## **Massive channel**

- sits perfect in position

**= Security**

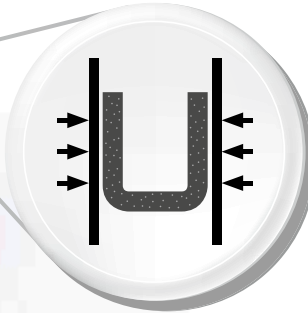
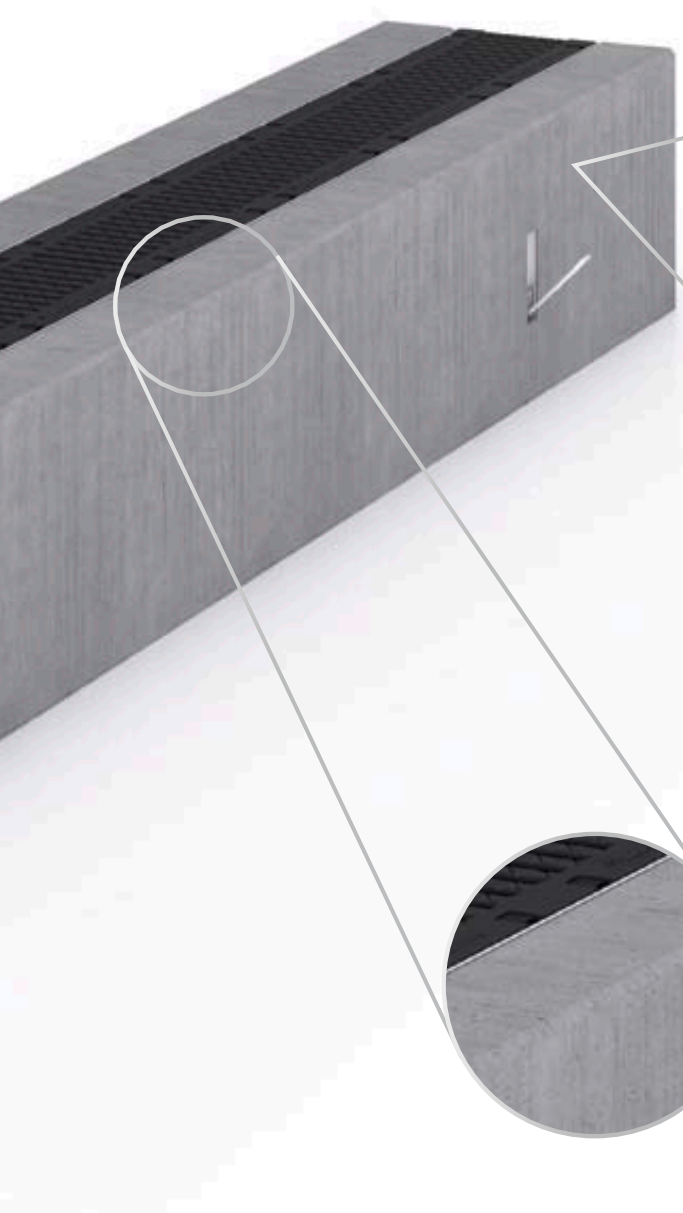




## Huge length

- huge length up to 4 m for efficient installation
- considerable time saving at applications with mandatory tightness due to less joints

**= Cost savings**



## High-grade material

- "Made in Germany": central production = one constant high quality
- Most used material on construction
- Good connection to surrounding concrete (same coefficient)
- Fire resistance class A1 (not flammable) according DIN 4102
- Exceeds all testing demands by far
- Compressive strength class C 50/60
- Exposure class according EIN EN 206-1
  - XF4
  - XA3
  - WA
  - XM3

**= Security**

## Robust concrete casings

- best lateral stability with static brakeload evidence complying with SLW 60 according DIN 1072
- integrated concrete runner saves casing during installation

**= Security / cost savings**



# FASERFIX®BIG

Drainage channels with concrete runners for maximum stability under heavy loads.

## Maximum stability and safety at Airport in Frankfurt, Germany

### Fit for the future with FASERFIX®BIG

The airport of Frankfurt is one of the biggest and most important ones in Europe with around 58 millions of passengers a year. To be prepared for the future, the airport was fundamentally expanded and modernized - and all this during full operation. For the surface drainage of the aviation area therefore reliable systems were requested, which could be installed easily and time-saving and withstand highest loads.

### For this reason, the designers of Frankfurt airport opted for FASERFIX®BIG channels:

- channels withstand high dynamic forces
- perfect for permanent and high frequency
- cost-effective installation due to 4 m long channels
- time-saving installation: channels can be exposed to traffic immediately



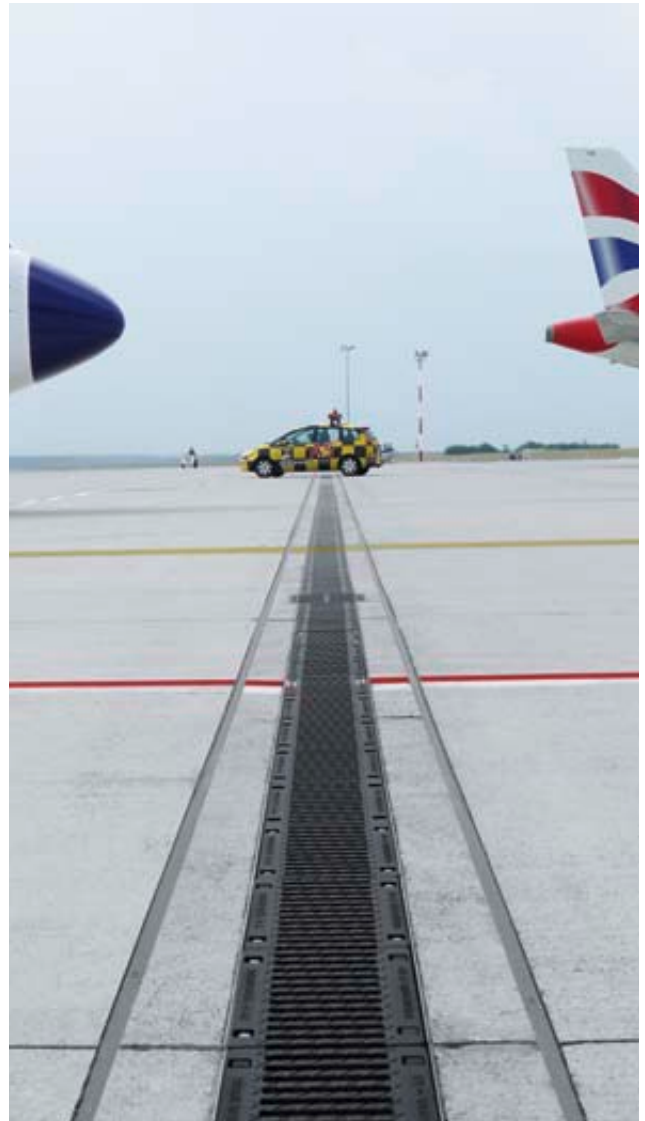
FASERFIX BIG Channels for extremely high loads



Long lengths enable an efficient installation



Reliable drainage of huge areas



For maximum safety: angle housings with 16-fold bolting possibility per metre.

<b>FASERFIX®SUPER</b>
<b>FASERFIX®KS</b>
<b>FASERFIX®BIG</b>
<b>RECYRFIX®PLUS X</b>
<b>RECYRFIX®NC</b>
<b>RECYRFIX®SUPER</b>
<b>RECYRFIX®HICAP®</b>
<b>FASERFIX®POINT</b>

# FASERFIX®BIG

Drainage channels with concrete runners for maximum stability under heavy loads.

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



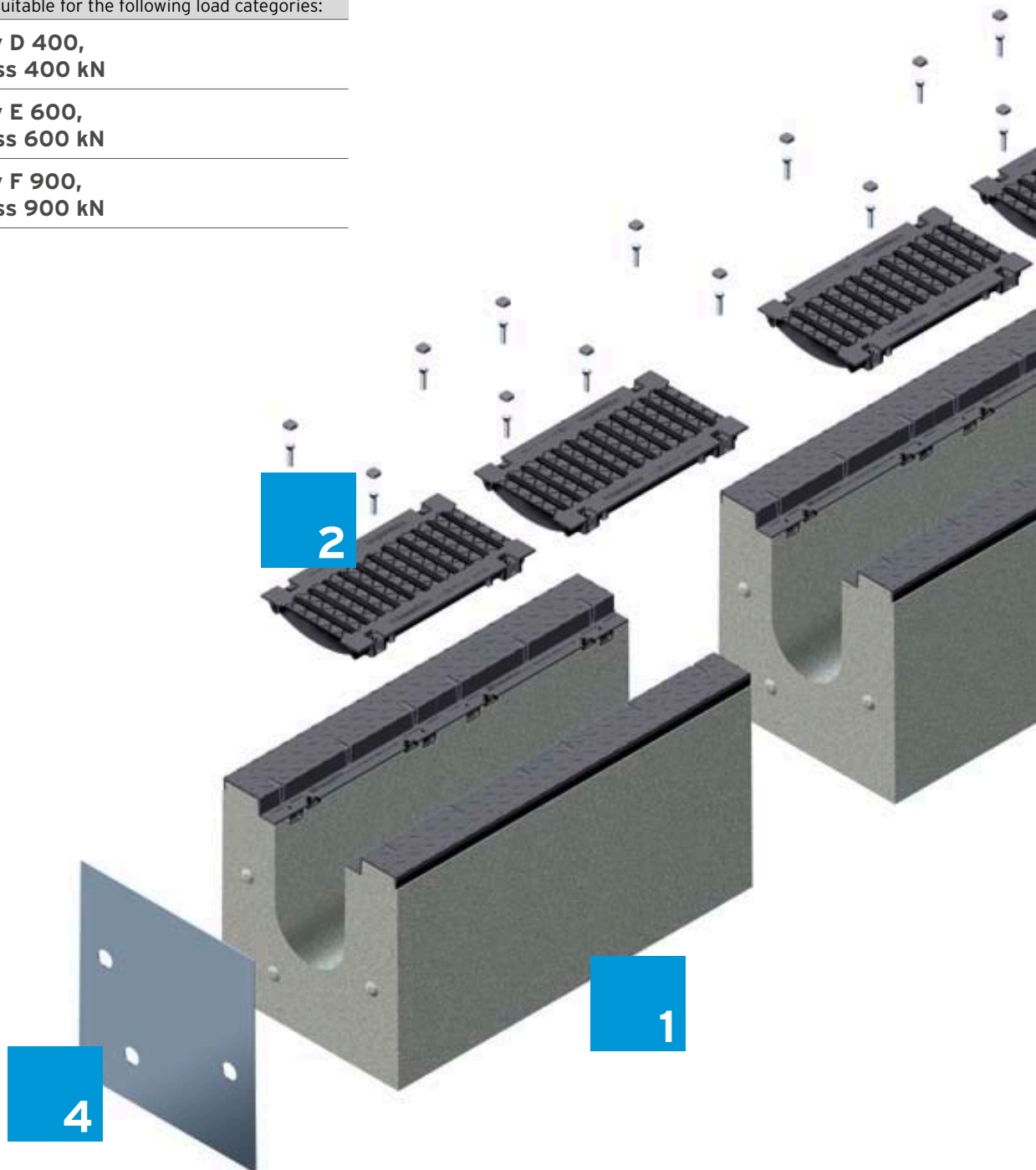
**Category D 400,**  
Load class 400 kN

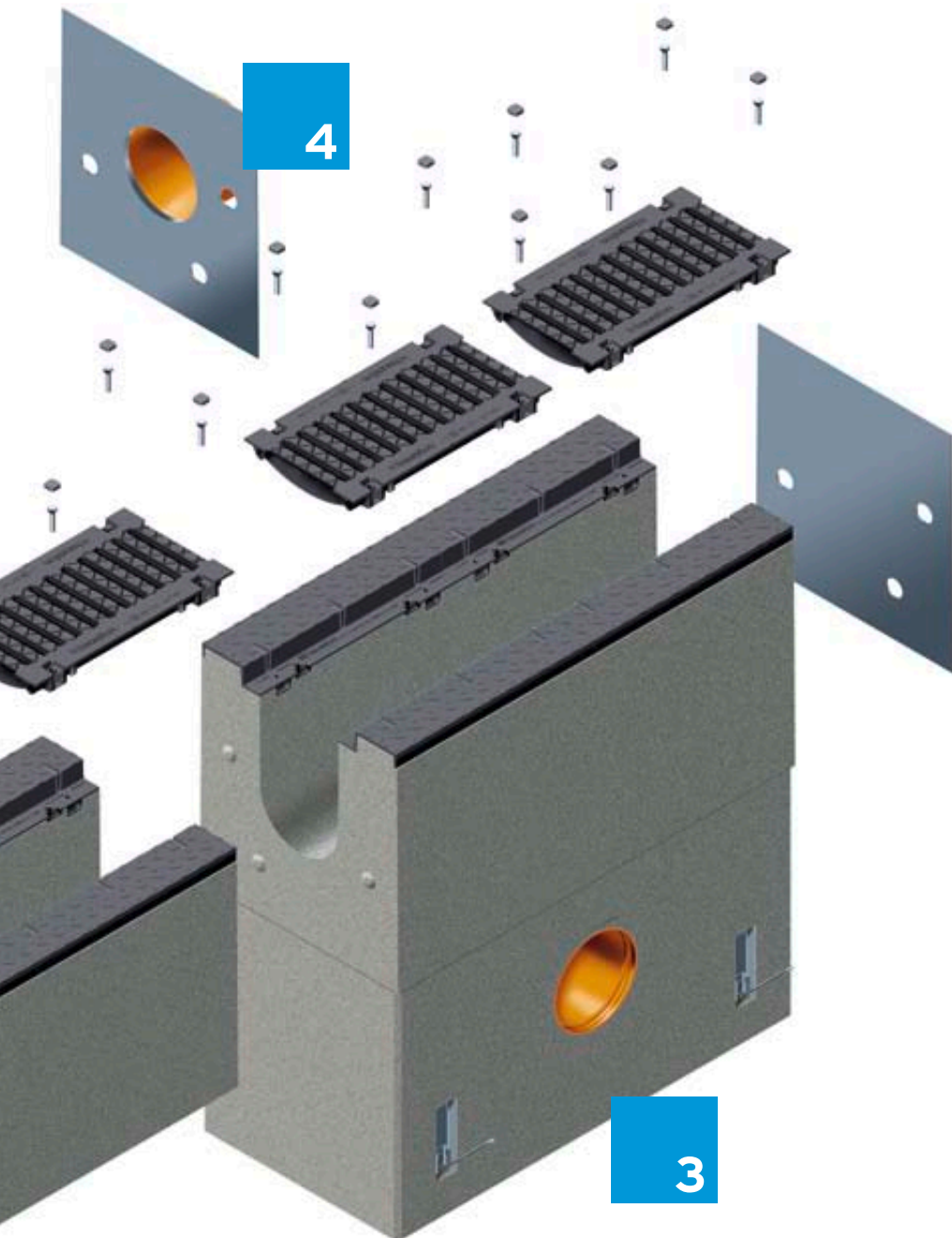


**Category E 600,**  
Load class 600 kN



**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**

■ Trash box with integrated KG sleeve in DN 150 and galvanised steel mud bucket

**4**

■ End caps with and without outlets

## Grating options FASERFIX®BIG Channels

GUGI-Ductile iron mesh gratings\*



Ductile iron gratings\*



Load categories		
D 400		100, 150, 200, 300
F 900	100	150, 200, 300

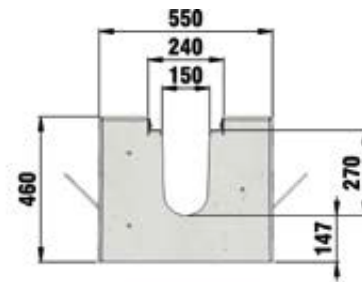
\*sizes are nominal widths

# FASERFIX®BIG BL 150

## Channels

### FASERFIX®BIG BL 150 up to class F 900

Type 020



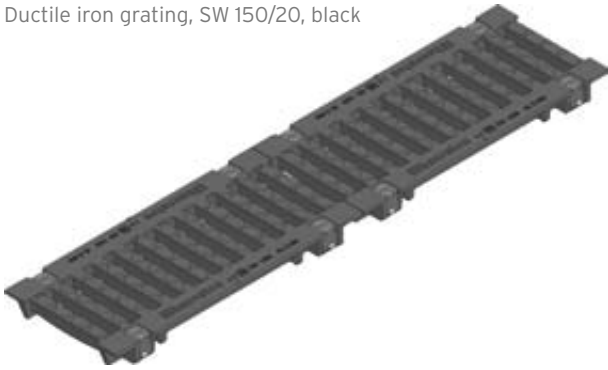
	Length mm	Width mm	Height mm	Drainage cross-sect. cm <sup>2</sup>	Weight kg	Article No.
Type 020	4000	550	460	383	2010,0	2744

# FASERFIX®BIG BL 150

## Gratings

### FASERFIX®BIG BL 150, class D 400

Ductile iron grating, SW 150/20, black

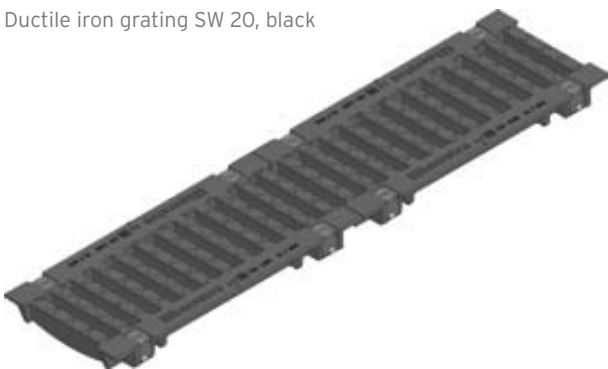


	Length mm	Width mm	Height mm	Intake cross-sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating, SW 150/20, black	500	227	40	710	8,1	2063

\* Not for use across the carriageway of highways or motorways in moving traffic.

### FASERFIX®BIG BL 150, class F 900

Ductile iron grating SW 20, black



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

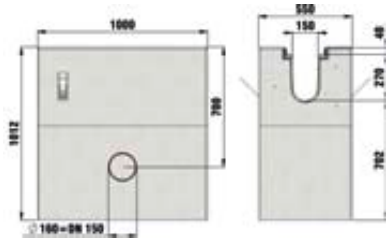
# FASERFIX®BIG BL 150

## Accessories

### FASERFIX®BIG BL 150



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



Foul air trap DN 150



End cap with horizontal UPVC-outlet DN 150, galvanised, Type 020



Cutting to length



Mitre cuts (price per cut, two cuts necessary)



Inserting of PVC union connectors

	Length mm	Width mm	Height mm	Weight kg	Article No.
Trash box element with KG-sleeve DN 150 and galvanised bucket	1000	550	1012	640,0	2755
Foul air trap DN 150	584	160	439	2,0	960
End cap closed, galvanised, Type 020	-	240	369	1,4	2083
End cap with horizontal UPVC-outlet DN 150, galvanised, Type 020	-	240	369	1,7	2093
Cutting to length	-	-	-	-	891
Mitre cuts (price per cut, two cuts necessary)	-	-	-	-	892
Drilling of connection holes	-	-	-	-	893
Inserting of PVC union connectors	-	-	-	-	894
Sealing material Sikaflex Tank N, poly-tube bag 600 ml**	-	-	-	1,0	19050
Primer Sikaflex 215, 1000 ml	-	-	-	1,0	19055

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

# FASERFIX®BIG BL 150

FASERFIX®SUPER

FASERFIX®KS

FASERFIX®BIG BL

RECYRFIX®PLUS X

RECYRFIX®NC

RECYRFIX®SUPER

RECYRFIX®HICAP®

FASERFIX®POINT

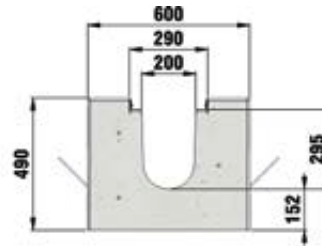


# FASERFIX®BIG BL 200

## Channels

FASERFIX®BIG BL 200 up to class F 900

Type 020



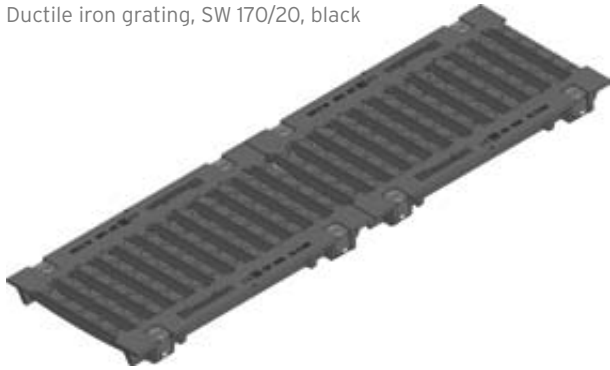
	Length mm	Width mm	Height mm	Drainage cross-sect. cm <sup>2</sup>	Weight kg	Article No.
Type 020	4000	600	490	552	2148,0	3744

# FASERFIX®BIG BL 200

## Gratings

### FASERFIX®BIG BL 200, class D 400

Ductile iron grating, SW 170/20, black

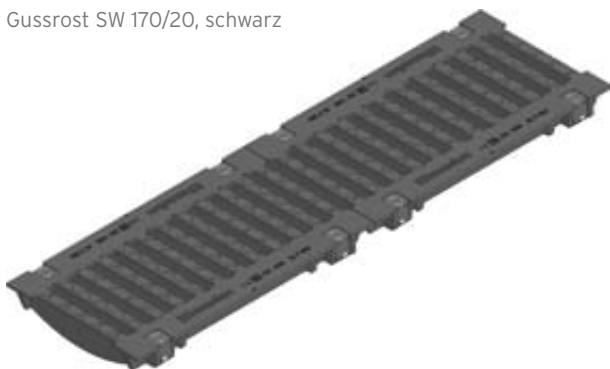


	Length mm	Width mm	Height mm	Intake cross-sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating, SW 170/20, black	500	279	40	833	9,6	3063

\* Not for use across the carriageway of highways or motorways in moving traffic.

### FASERFIX®BIG BL 200, class F 900

Gussrost SW 170/20, schwarz

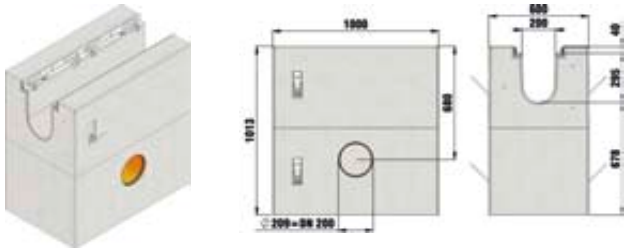


	Length mm	Width mm	Height mm	Intake cross-sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating SW 20, black	500	279	40	833	13,6	3061

# FASERFIX®BIG BL 200

## Accessories

### FASERFIX®BIG BL 200



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



Cutting to length



Mitre cuts (price per cut, two cuts necessary)



Inserting of PVC union connectors

	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
End cap closed, galvanised, Type 020	-	290	400	1,9	3083
End cap with horizontal UPVC-outlet DN 150, galvanised, Type 020	-	290	400	1,8	3093
Cutting to length	-	-	-	-	891
Mitre cuts (price per cut, two cuts necessary)	-	-	-	-	892
Drilling of connection holes	-	-	-	-	893
Inserting of PVC union connectors	-	-	-	-	894
Sealing material Sikaflex Tank N, poly-tube bag 600 ml**	-	-	-	1,0	19050
Primer Sikaflex 215, 1000 ml	-	-	-	1,0	19055

\*\* Verbrauch von Fugenmaterial: ca. 125 ml pro Fugenstoß.

# FASERFIX®BIG BL 200

FASERFIX®SUPER

FASERFIX®KS

FASERFIX®BIG BL

RECYRFIX®PLUS X

RECYRFIX®NC

RECYRFIX®SUPER

RECYRFIX®HICAP®

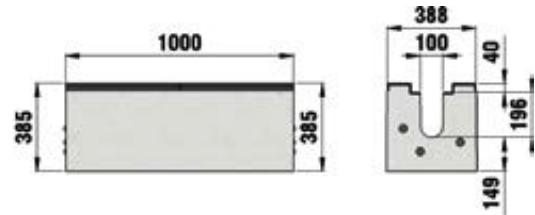
FASERFIX®POINT

# FASERFIX®BIG SLG 100 **NEW**

## Channels

### FASERFIX®BIG SLG 100, up to class F 900

Type 020



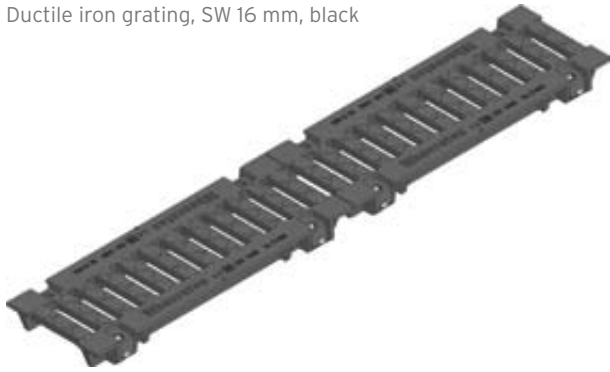
	Length mm	Width mm	Height mm	Drainage cross-sect. cm <sup>2</sup>	Weight kg	Article No.
Type 020	1000	388	385	206	306,0	1480

# FASERFIX®BIG SLG 100 **NEW**

## Gratings

### FASERFIX®BIG SLG 100, class D 400\*

Ductile iron grating, SW 16 mm, black

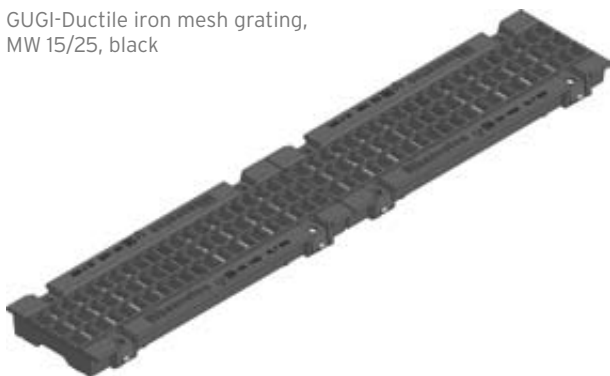


	Length mm	Width mm	Height mm	Intake cross-sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating, SW 16 mm, black	500	179	40	363	5,7	6063

\* Not for use across the carriageway of highways or motorways in moving traffic.

### FASERFIX®BIG SLG 100, class F 900

GUGI-Ductile iron mesh grating,  
MW 15/25, 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 15/25, black	500	179	40	494	7,7	6060

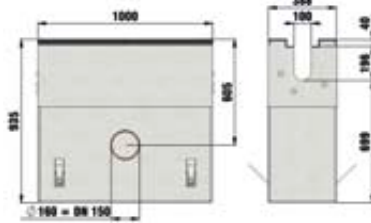
# FASERFIX®BIG SLG 100 **NEW**

## Accessories

### FASERFIX®BIG SLG 100



Trash box element, 2-parts, with KG sleeve and galvanised mud bucket



End cap closed, Type 020



End cap with horizontal KG-sleeve DN 100, Type 020



Cutting to length



Mitre cuts (price per cut, two cuts necessary)



Inserting of PVC union connectors

	Length mm	Width mm	Height mm	Weight kg	Article No. galvanised	Article No. Stainless steel
Trash box element, 2-parts, with KG sleeve and galvanised mud bucket	1000	388	935	735,0	1857	-
End cap closed, Type 020	2	388	383	2,3	1886	-
End cap with horizontal KG-sleeve DN 100, Type 020	2	388	383	2,4	1899	1896
Screw connection set (8 pieces for 1 m element) for FASERFIX BIG SLG	-	-	-	0,2	9455	-
Foul air trap DN 100, outside	-	-	-	0,4	961	-
Cutting to length	-	-	-	-	891	-
Mitre cuts (price per cut, two cuts necessary)	-	-	-	-	892	-
Drilling of connection holes	-	-	-	-	893	-
Inserting of PVC union connectors	-	-	-	-	894	-
Sealing material Sikaflex Tank N, poly-tube bag 600 ml**	-	-	-	1,0	19050	-
Primer Sikaflex 215, 1000 ml	-	-	-	1,0	19055	-
Transport rod	-	-	-	-	701	-

\*\* Consumption of sealing material: approx. 99 ml per joint.

# FASERFIX®BIG SLG 100 **NEW**

FASERFIX®SUPER

FASERFIX®KS

FASERFIX®BIG SLG

RECYRFIX®PLUS X

RECYRFIX®NC

RECYRFIX®SUPER

RECYRFIX®HICAP®

FASERFIX®POINT

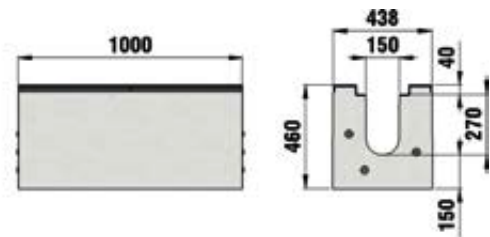


# FASERFIX®BIG SLG 150 **NEW**

## Channels

### FASERFIX®BIG SLG 150, up to class F 900

Type 020



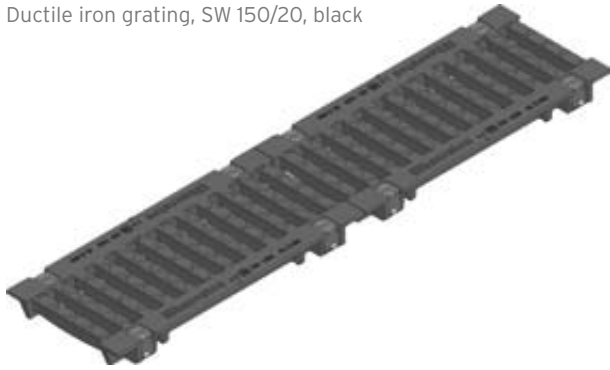
	Length mm	Width mm	Height mm	Drainage cross-sect. cm <sup>2</sup>	Weight kg	Article No.
Type 020	1000	438	460	383	370,0	2480

# FASERFIX®BIG SLG 150 **NEW**

## Gratings

### FASERFIX®BIG SLG 150, class D 400\*

Ductile iron grating, SW 150/20, black

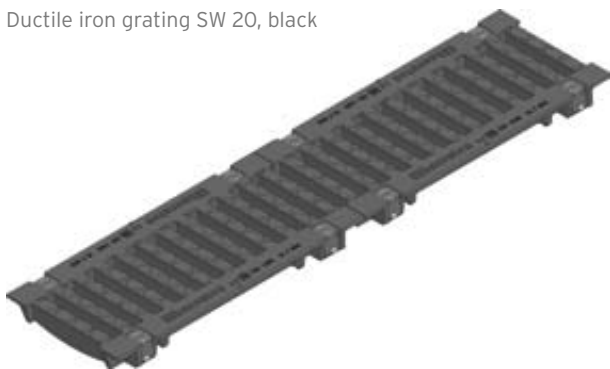


	Length mm	Width mm	Height mm	Intake cross-sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating, SW 150/20, black	500	227	40	710	8,1	2063

\* Not for use across the carriageway of highways or motorways in moving traffic.

### FASERFIX®BIG SLG 150, class F 900

Ductile iron grating SW 20, black



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

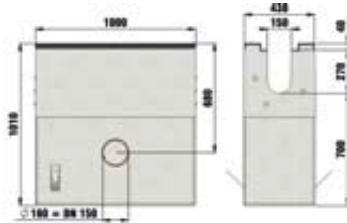
# FASERFIX®BIG SLG 150 **NEW**

## Accessories

### FASERFIX®BIG SLG 150



Trash box element, 2-parts, with KG sleeve and galvanised mud bucket



End cap closed, Type 020



End cap with horizontal KG-sleeve DN 150, Type 020



Foul air trap DN 150



Cutting to length



Mitre cuts (price per cut, two cuts necessary)



Inserting of PVC union connectors

	Length mm	Width mm	Height mm	Weight kg	Article No. galvanised	Article No. Stainless steel
Trash box element, 2-parts, with KG sleeve and galvanised mud bucket	1000	438	1010	834,0	2957	-
End cap closed, Type 020	2	438	458	3,2	2986	-
End cap with horizontal KG-sleeve DN 150, Type 020	2	438	458	3,3	2999	2996
Screw connection set (8 pieces for 1 m element) for FASERFIX BIG SLG	-	-	-	0,2	9455	-
Foul air trap DN 150	584	160	439	2,0	960	-
Cutting to length	-	-	-	-	891	-
Mitre cuts (price per cut, two cuts necessary)	-	-	-	-	892	-
Drilling of connection holes	-	-	-	-	893	-
Inserting of PVC union connectors	-	-	-	-	894	-
Sealing material Sikaflex Tank N, poly-tube bag 600 ml**	-	-	-	1,0	19050	-
Primer Sikaflex 215, 1000 ml	-	-	-	1,0	19055	-
Transport rod	-	-	-	-	701	-

\*\* Verbrauch von Fugenmaterial: ca. 112 ml pro Fugenstoß.

# FASERFIX®BIG SLG 150 **NEW**

FASERFIX®SUPER

FASERFIX®KS

FASERFIX®BIG SLG

RECYRFIX®PLUS X

RECYRFIX®NC

RECYRFIX®SUPER

RECYRFIX®HICAP®

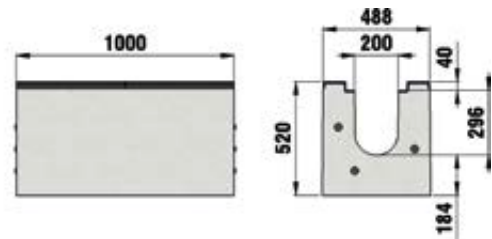
FASERFIX®POINT

# FASERFIX®BIG SLG 200 **NEW**

## Channels

### FASERFIX®BIG SLG 200, up to class F 900

Type 020



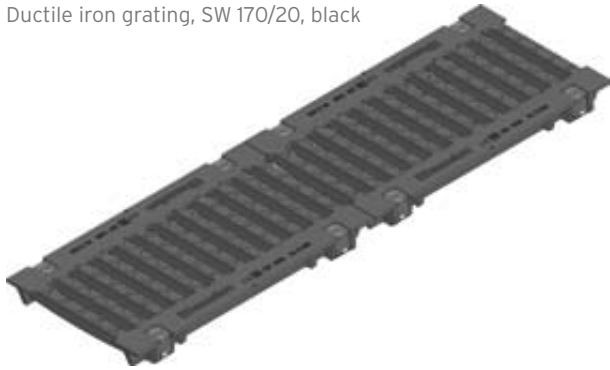
	Length mm	Width mm	Height mm	Drainage cross-sect. cm <sup>2</sup>	Weight kg	Article No.
Type 020	1000	488	520	552	458,0	3480

# FASERFIX®BIG SLG 200 **NEW**

## Gratings

### FASERFIX®BIG SLG 200, class D 400\*

Ductile iron grating, SW 170/20, black

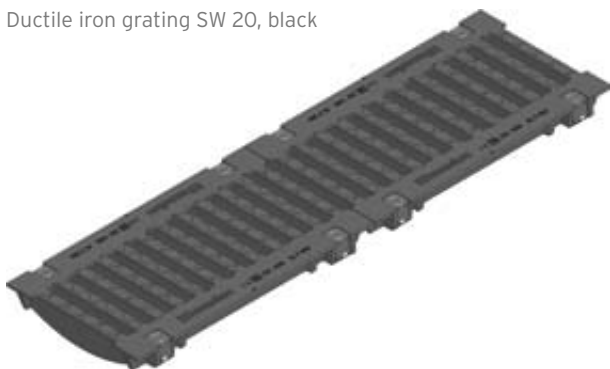


	Length mm	Width mm	Height mm	Intake cross-sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating, SW 170/20, black	500	279	40	833	9,6	3063

\* Not for use across the carriageway of highways or motorways in moving traffic.

### FASERFIX®BIG SLG 200, class F 900

Ductile iron grating SW 20, black



	Length mm	Width mm	Height mm	Intake cross-sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating SW 20, black	500	279	40	833	13,6	3061

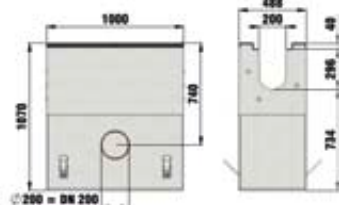
# FASERFIX®BIG SLG 200 **NEW**

## Accessories

### FASERFIX®BIG SLG 200



Trash box element, 2-parts,  
with KG sleeve and galvanised  
mud bucket



End cap closed,  
Type 020



End cap with horizontal  
KG-sleeve DN 200,  
Type 020



Cutting to length



Mitre cuts (price per cut,  
two cuts necessary)



Inserting of PVC union  
connectors

	Length mm	Width mm	Height mm	Weight kg	Article No. galvanised	Article No. Stainless steel
Trash box element, 2-parts, with KG sleeve and galvanised mud bucket	1000	488	1070	966,0	3957	-
End cap closed, Type 020	2	488	518	4,0	3986	-
End cap with horizontal KG-sleeve DN 200, Type 020	2	488	518	4,3	3999	3996
Screw connection set (8 pieces for 1 m element) for FASERFIX BIG SLG	-	-	-	0,2	9455	-
Cutting to length	-	-	-	-	891	-
Mitre cuts (price per cut, two cuts necessary)	-	-	-	-	892	-
Drilling of connection holes	-	-	-	-	893	-
Inserting of PVC union connectors	-	-	-	-	894	-
Sealing material Sikaflex Tank N, poly-tube bag 600 ml**	-	-	-	1,0	19050	-
Primer Sikaflex 215, 1000 ml	-	-	-	1,0	19055	-
Transport rod	-	-	-	-	701	-

\*\* Verbrauch von Fugenmaterial: ca. 155 ml pro Fugenstoß.

# FASERFIX®BIG SLG 200 **NEW**

FASERFIX®SUPER

FASERFIX®KS

FASERFIX®BIG SLG

RECYRFIX®PLUS X

RECYRFIX®NC

RECYRFIX®SUPER

RECYRFIX®HICAP®

FASERFIX®POINT

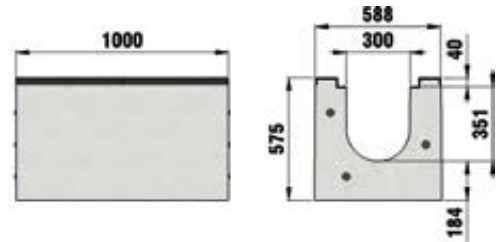


# FASERFIX®BIG SLG 300 **NEW**

## Channels

### FASERFIX®BIG SLG 300, up to class F 900

Type 010



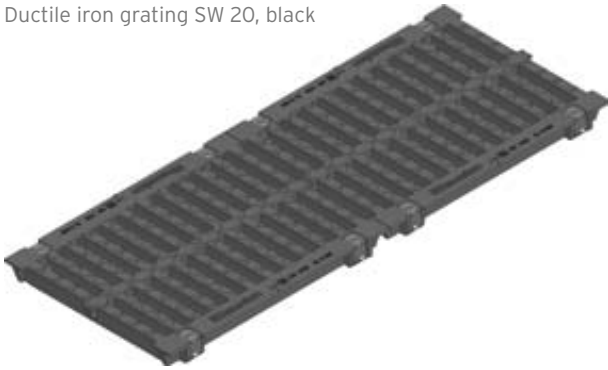
	Length mm	Width mm	Height mm	Drainage cross-sect. cm <sup>2</sup>	Weight kg	Article No.
Type 010	1000	588	575	947	552,0	4670

# FASERFIX®BIG SLG 300 **NEW**

## Gratings

### FASERFIX®BIG SLG 300, class D 400\*

Ductile iron grating SW 20, black

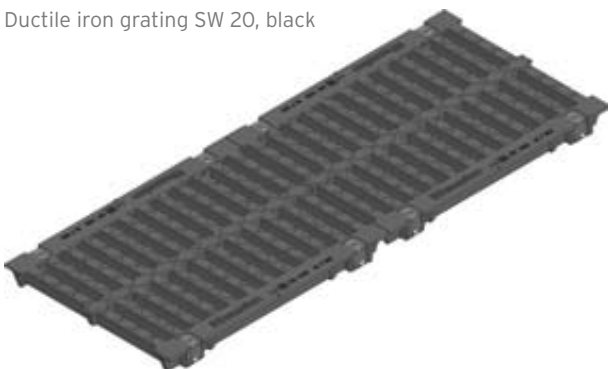


	Length mm	Width mm	Height mm	Intake cross-sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating SW 20, black	500	377	40	1334	20,6	4063

\* Not for use across the carriageway of highways or motorways in moving traffic.

### FASERFIX®BIG SLG 300, class F 900

Ductile iron grating SW 20, black



	Length mm	Width mm	Height mm	Intake cross-sect. cm <sup>2</sup> /m	Weight kg	Article No.
Ductile iron grating SW 20, black	500	377	40	1334	23,5	4061

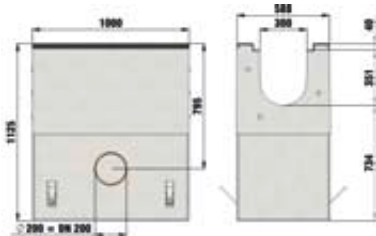
# FASERFIX®BIG SLG 300 **NEW**

## Accessories

### FASERFIX®BIG SLG 300



Trash box element, 2-parts,  
with KG sleeve and galvanised  
mud bucket



End cap closed, Type 010



End cap with horizontal  
KG-sleeve DN 100,  
Type 010



Cutting to length



Mitre cuts (price per cut,  
two cuts necessary)



Inserting of PVC union  
connectors

	Length mm	Width mm	Height mm	Weight kg	Article No. galvanised	Article No. Stainless steel
Trash box element, 2-parts, with KG sleeve and galvanised mud bucket	1000	588	1125	1180,0	4957	-
End cap closed, Type 010	2	588	573	5,3	4986	-
End cap with horizontal KG-sleeve DN 100, Type 010	2	588	573	6,6	4998	4995
Screw connection set (8 pieces for 1 m element) for FASERFIX BIG SLG	-	-	-	0,2	9455	-
Cutting to length	-	-	-	-	891	-
Mitre cuts (price per cut, two cuts necessary)	-	-	-	-	892	-
Drilling of connection holes	-	-	-	-	893	-
Inserting of PVC union connectors	-	-	-	-	894	-
Sealing material Sikaflex Tank N, poly-tube bag 600 ml**	-	-	-	1,0	19050	-
Primer Sikaflex 215, 1000 ml	-	-	-	1,0	19055	-
Transport rod	-	-	-	-	701	-

\*\* Verbrauch von Fugenmaterial: ca. 129 ml pro Fugenstoß.

# FASERFIX®BIG SLG 300 **NEW**

FASERFIX®SUPER

FASERFIX®KS

FASERFIX®BIG SLG

RECYRFIX®PLUS X

RECYRFIX®NC

RECYRFIX®SUPER

RECYRFIX®HICAP®

FASERFIX®POINT