Accessible, floor-mounted system for temporary or permanent organisation and management of supply and information cables.



## **■** hauraton



Accessible, floor-mounted system for temporary or permanent organisation and management of supply and information cables.

#### 1 Requirements

Ground installed SERVICE CHANNELS have to:

- ensure a temporary or permanent operation
- withstand daily changing requirements under extreme loads
- offer a quick, easy and flexible installation
- allow quick access everywhere
- make the cable routing invisible

## 2 Application areas

- exhibition halls
- production workshops
- stadiums

#### 3 Solutions

The SERVICE CHANNEL System is a tried-and-tested solution for a variety of applications. It offers:

- channel systems made of high-quality materials such as fibre reinforced concrete or 100% recycled composite for maximum stability and security
- a simple installation with various connection possibilities like T- and corner-connections for cost savings and flexibility
- inside cable routing for an attractive overall appearence with a large internal cross-section and optionally available cable-routing system



Henryk-Reyman-Stadium in Krakow, Poland





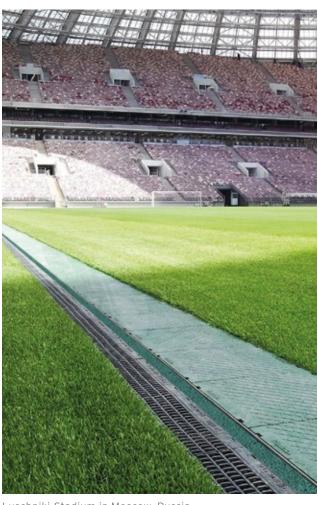
Warsaw Spire Office Building in Warsaw, Poland



Production Workshop RULMECA in Aschersleben, Germany



Volvo prototype factory in Wrocław, Poland



Luschniki-Stadium in Moscow, Russia

## YOUR BENEFITS WITH

## SERVICE CHANNEL **FASERFIX** KS

#### **HIGH-PERFORMANCE ANGLE HOUSING & BOLTLESS LOCKING SYSTEM SIDE-LOCK**

- 20 mm x 20 mm angle housing and inlaying covers
- extremely stable connection between angle housing and concrete
- · 8 fixing points for the cover
- additional protection against horizontal movement
- 90% time savings when fixing the cover
- · Insertion of the cover without special tools, one screwdriver is sufficient
- = QUALITY ASSURED / **COST SAVINGS**

#### **HIGH STABILITY**

- · maximum lateral stability
- extra thick wall thickness compared to many competitor products, for additional safety in extreme situations
- installationforasphaltedsurfaces up to class E 600, without concrete stretcher
- = PERFORMANCE ASSURED / **DURABILITY**



#### **HIGH-GRADE MATERIAL**

- · "Made in Germany"
- · maximum stability due to fibrereinforced concrete (polypropylene fibres) with low weight
- strong adhesion on foundation concrete (same coefficient)
- installation without cover possible
- fire resistance class A1 (non-flammable) according to DIN 4102



#### **UNIQUE DUCTILE IRON GRATINGS** WITH NUMEROUS COMBINATION OPTIONS

- · high-qualityKTL-coating
- anti-slip feature
- extremely durable
- easy opening and closing of the cover due to boltless locking system SIDE-LOCK
- various covers: closed, with opening for cable outlet
- **= DESIGN FLEXIBILITY / PERFORMANCE ASSURED**



#### **OPTIONAL BLIND COVER** FOR DUCTILE IRON GRATING

- KTL-coated
- easy opening and closing of the cable inlet and outlet
- **= DESIGN FLEXIBILITY**

WITH CABLE OPENING



#### LARGE, CLEAR **CROSS-SECTION**

- storage space for cables and wires
- optional on two levels (see cable routing system accessories)
- **= DESIGN FLEXIBILITY**



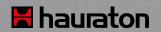
## **OPTIONAL CABLE-ROUTING**

- for guiding cables and wires in an elevated position (see cable routing system accessories)
- · easier laying and accessibility of cables and lines

**SYSTEM** 

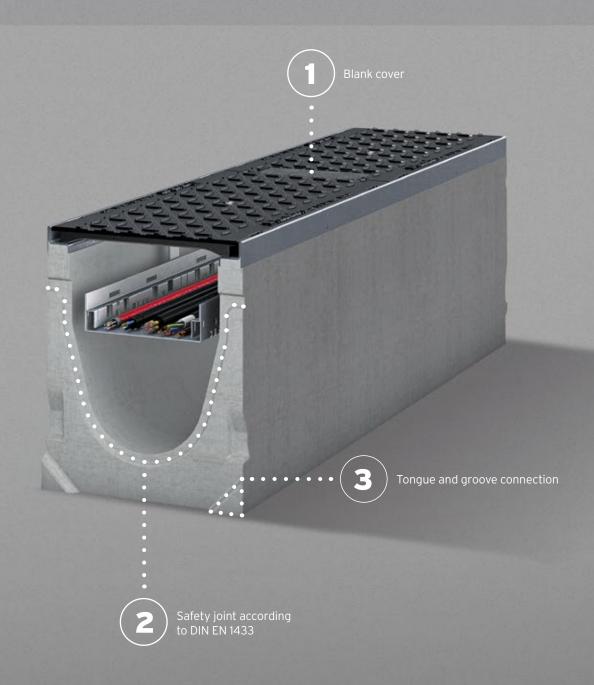
**= DESIGN FLEXIBILITY** 





#### **IDEAL FOR ...**

applications for laying cables and lines in the ground which can be easily accessed at all times and the surfaces of which are driven on with heavy wheel loads.



## **SERVICE CHANNEL FASERFIX KS**

Accessible, floor-mounted system for temporary or permanent organisation and management of supply and information cables.

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



Category A 15, Load class 15 kN



Category B 125, Load class 125 kN



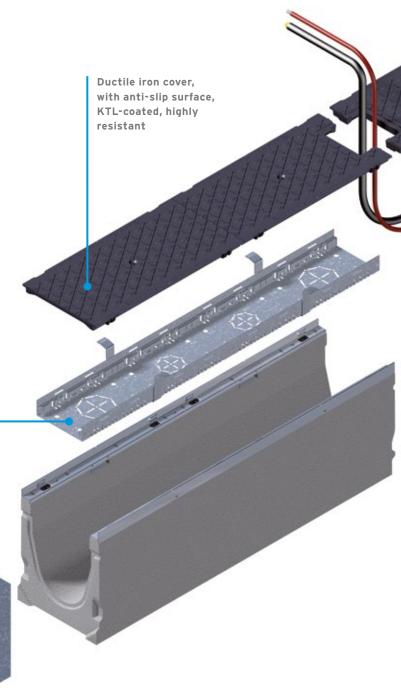
Category C 250, Load class 250 kN



Category D 400, Load class 400 kN



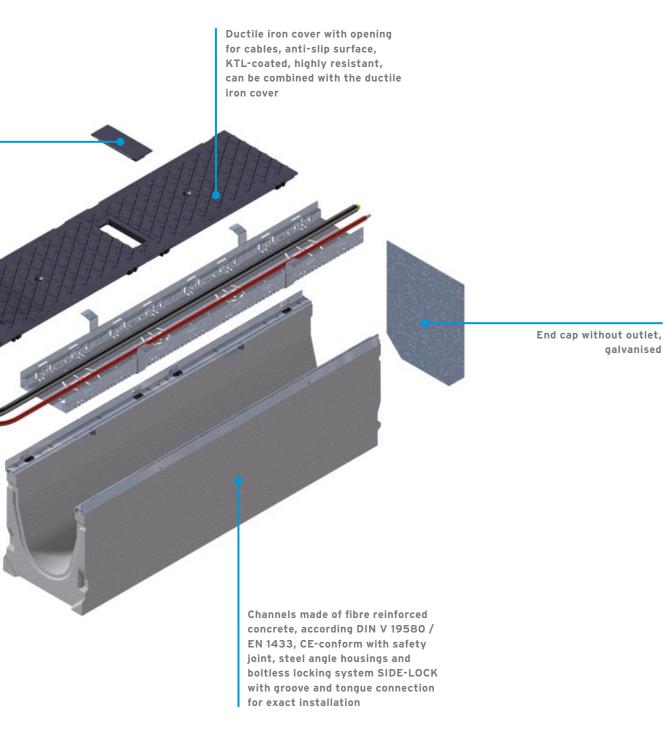
Category E 600, Load class 600 kN Cover for cable opening for ductile iron cover, black, KTL-coated



galvanised for laying various media and cables

Cable routing system

End cap without outlet, galvanised



## YOUR BENEFITS WITH

# SERVICE CHANNEL RECYFIX PRO

#### **ANGLE HOUSINGS**

- recycled composite angle housing (PP) according to DIN 19580
- recesses for longitudinal thrust protection
- inlaying gratings
- **= QUALITY ASSURED**



### LOW WEIGHT ENSURES EASY HANDLING ON SITE

- considerably lighter than channels made of polymer/resin concrete
- easytransportandinstallation
- **= COST SAVINGS**



#### **HIGH-GRADE MATERIALS**

- RECYFIX robust and breakproof
- elastic and particularly resistant material
- withstands high traffic loads and temperature differences in daily use
- 100 % recycled channel body (and 100 % recyclable)
- 100 % environmentally friendly
- non-conductive
- the channel body made of PP can be cut, drilled and machined on site without any problems

#### = PERFORMANCE ASSURED

## UNIQUE DUCTILE IRON GRATINGS WITH VARIOUS COMBINATION OPTIONS

- high-quality KTL-coating
- anti-slipfeature
- extremelydurable
- various covers: closed, with opening for cable outlet
- **= DESIGN FLEXIBILITY / PERFORMANCE ASSURED**





#### OPTIONAL BLIND COVER FOR DUCTILE IRON GRATING WITH CABLE OPENING

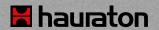
- KTL-coated
- easy opening and closing of the cable inlet and outlet
- **= DESIGN FLEXIBILITY**



## OPTIONAL CABLE ROUTING SYSTEM

- for guiding cables and wires in an elevated position (see cable routing system accessories)
- easier laying and accessibility of cables and lines
- = DESIGN FLEXIBILITY





#### **IDEAL FOR ...**

ground installed cable routing applications which are easily accessible at all times.



100 % corrosion-free

## SERVICE CHANNEL RECYFIX PRO

Accessible, floor-mounted system for temporary or permanent organisation and management of supply and information cables.

SERVICE CHANNEL RECYFIX PRO channels meet the requirements of DIN EN 1433 and are suitable for the following load categories:



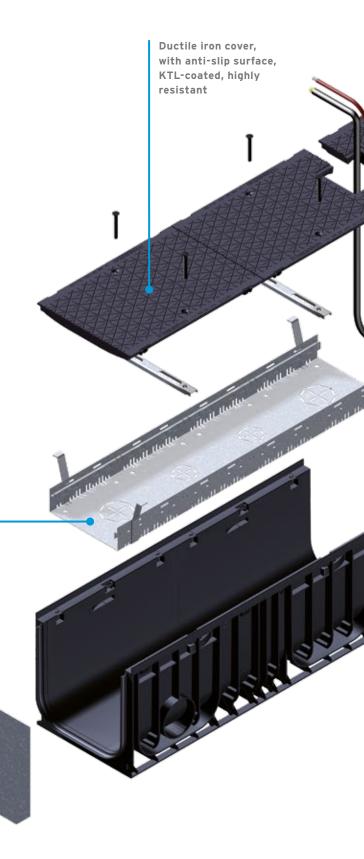
Category A 15, Load class 15 kN



Category B 125, Load class 125 kN



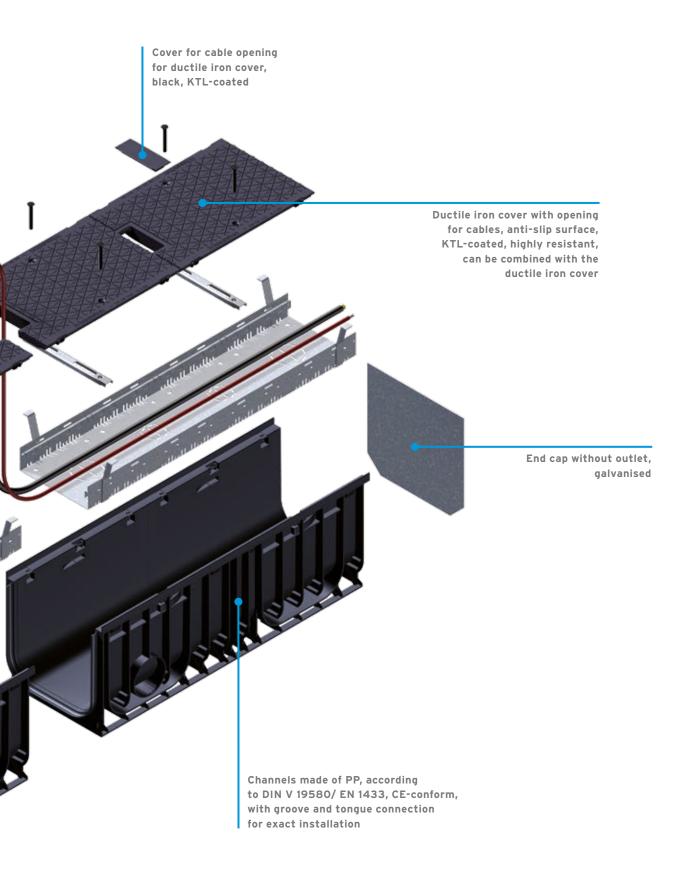
Category C 250, Load class 250 kN



End cap without outlet, galvanised

Cable routing system galvanised for laying various media and cables



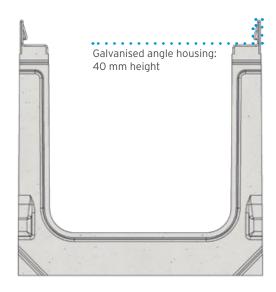


AQUA

## STRONG. LARGE. RELIABLE.

#### **Ideal for:**

Floor-mounted cable routing applications which can be easily accessed at all times and used as heavy-duty surfaces.



## **SERVICE CHANNEL FASERFIX** SUPER

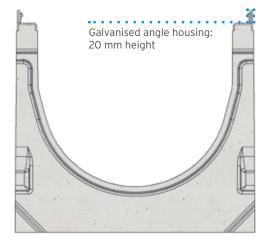
Made of fibre-reinforced concrete with 40 mm angle housing

#### **Nominal width:**

- NW 150
- NW 200
- NW 300
- NW 400
- NW 500

#### Load class:

E 600; extreme load situations and high dynamic forces



## **SERVICE CHANNEL FASERFIX** KS

Made of fibre-reinforced concrete with 20 mm angle housing

#### **Nominal width:**

- NW 100
- NW 150
- NW 200
- NW 300

#### Load class:

E 600: extreme load situations C 250; medium load situations with moderate traffic

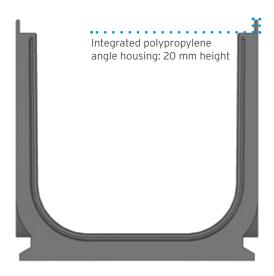




## RECYCLABLE. LIGHT. RELIABLE.

#### **Ideal for:**

Floor-mounted cable routing applications which are easily accessible at all times.



## SERVICE CHANNEL RECYFIX PRO

Made of polypropylene with 20 mm integrated polypropylene angle housing

#### **Nominal width:**

- NW 200
- NW 300

#### Load class:

**C 250;** medium load situations with moderate traffic



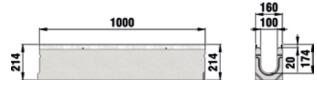
#### **DIN 19580 / EN 1433**

The load classes are described in DIN 19580 / EN 1433 and standardised in classes A 15 to F 900. The specified values refer to the test load in kilonewtons (kN).

#### Systems **SERVICE CHANNELS**

#### SERVICE CHANNEL FASERFIX®KS 100 made of fibre-reinforced concrete with 20 mm angle housing, class E 600









black, KTL-coated



End cap closed, galvanised, type 010



Installation aid NW 100 (2 pieces required) - due to security reasons no return can be made

	Length mm	Width mm	Height mm	Internal channel cross-sect. cm²	Weight kg	ltem No.
Type 010	1000	160	214	143	40,20	32049
Type 20	1000	160	274	206	49,00	32050
Ductile iron solid cover, black, KTL-coated	500	149	20	-	4,70	32051
End cap closed, galvanised, type 010	=	160	214	0,50	0,50	32052
End cap closed, galvanised, type 020	=	160	274	0,60	0,60	32053
Installation aid NW 100 (2 pieces required) - due to security reasons no return can be made	-	-	-	1,60	1,60	705



#### Accessories



Cutting to length of NW 100



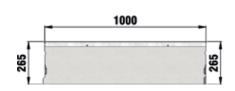
Mitre cuts NW 100 (price per cut, two cuts necessary)

	Length mm	Width mm	Height mm	Weight kg	Item No.
Cutting to length of NW 100	-	-	-	-	990
Mitre cuts NW 100 (price per cut, two cuts necessary)	-	-	-	-	995

#### Systems SERVICE CHANNELS

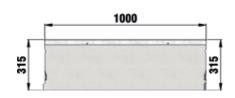
#### SERVICE CHANNEL FASERFIX®KS 150 made of fibre-reinforced concrete with 20 mm angle housing, class E 600

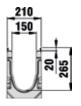
















Ductile iron solid cover,

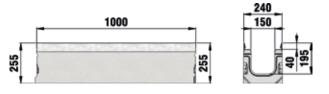
End cap closed, galvanised,

black, KTL	type 010	Length mm	Width mm	Height mm	Internal channel cross-sect. cm²	Weight kg	Item No.
Type 010		1000	210	265	245	60,20	32054
Type 020		1000	210	315	312	69,60	32055
Ductile iron solid cover, black, K1	L-coated	500	199	20	=	7,00	32059
End cap closed, galvanised, type	010	=	210	265	0,80	0,80	32061
End cap closed, galvanised, type	020	=	210	315	1,00	1,00	32062
Installation aid NW 150 (2 pieces due to security reasons no return		-	-	-	2,10	2,10	136018



## **SERVICE CHANNEL FASERFIX**®SUPER 150 made of fibre-reinforced concrete with 40 mm angle housing, **class E 600**







Ductile iron solid cover,



End cap closed, galvanised, type 01 E

black, with plastic caps	type 01 E	Length mm	Width mm	Height mm	Internal channel cross-sect. cm²	Weight kg	ltem No.
Type 01 E		1000	240	255	223	80,00	32056
Ductile iron solid cover, black, v	with plastic caps	500	229	40	-	10,70	32060
Ductile iron solid cover, black, I	KTL-coated, with plastic caps	500	229	40	-	10,70	32345
End cap closed, galvanised, typ	e 01 E	=	240	255	0,90	0,90	32063
Installation aid NW 150 (2 piece due to security reasons no retu	•	-	-	-	2,10	2,10	136018

#### Accessories



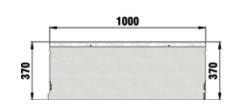
Cutting to length of NW 150

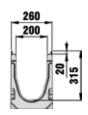
	Length mm	Width mm	Height mm	Weight kg	Item No.
Cutting to length of NW 150	-	-	-	-	991
Mitre cuts NW 150 (price per cut, two cuts necessary)	-	-	-	=	996
- Infile cuts 1444 150 (price per cut, two cuts necessary)					

#### Systems **SERVICE CHANNELS**

## **SERVICE CHANNEL FASERFIX**®KS 200 made of fibre-reinforced concrete with 20 mm angle housing, **class C 250 / E 600**









Ductile iron solid cover, black, KTL-coated, class C 250



Ductile iron solid cover with opening for cables (128 mm x 49 mm), black, KTL-coated, class C 250



Ductile iron solid cover, black, KTL-coated, class E 600



Cover for cable opening for ductile iron solid cover, KTL-coated, black



End cap closed, galvanised, type 010

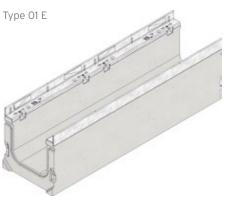


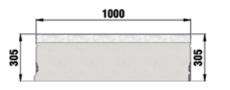
End cap closed, galvanised, type 020

	Length mm	Width mm	Height mm	Internal channel cross-sect. cm²	Weight kg	Item No.
Type 010	1000	260	320	409	84,90	32066
Type 020	1000	260	370	509	91,60	32067
Ductile iron solid cover, black, KTL-coated, class C 250	500	249	20	-	7,40	32033
Ductile iron solid cover with opening for cables (128 mm x 49 mm), black, KTL-coated, class C 250	500	249	20	-	8,10	32037
Ductile iron solid cover, black, KTL-coated, class E 600	500	249	20	-	8,70	32072
Cover for cable opening for ductile iron solid cover, KTL-coated, black	152	59	20	=	=	32048
End cap closed, galvanised, type 010		260	320	1,20	1,20	32076
End cap closed, galvanised, type 020	-	260	370	1,50	1,50	32077
Installation aid NW 200 (2 pieces required) – due to security reasons no return can be made	-	-	-	2,60	2,60	136202



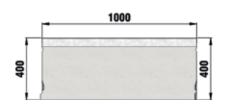
## **SERVICE CHANNEL FASERFIX**®SUPER 200 made of fibre-reinforced concrete with 40 mm angle housing, **class E 600**

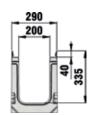
















Ductile iron solid cover, End cap closed, galvanised, black, with plastic caps type 010 E

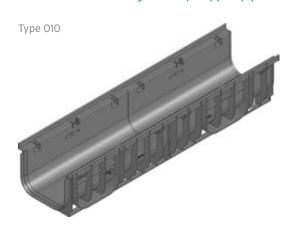


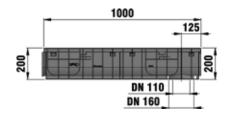
End cap closed, galvanised, type 020 E

	Length mm	Width mm	Height mm	Internal channel cross-sect. cm <sup>2</sup>	Weight kg	Item No.
Type 01 E	1000	290	305	386	104,50	32068
Type 010 E	1000	290	350	473	113,50	32069
Type 020 E	1000	290	400	568	124,50	32070
Ductile iron solid cover, black, with plastic caps	500	279	40	-	13,40	32073
Ductile iron solid cover, black, KTL-coated, with plastic caps	500	279	40	-	13,40	32348
End cap closed, galvanised, type 01 E	-	290	305	1,40	1,40	32078
End cap closed, galvanised, type 010 E	-	290	350	1,70	1,70	32079
End cap closed, galvanised, type 020 E	-	290	400	1,90	1,90	32080
Installation aid NW 200 (2 pieces required) - due to security reasons no return can be made	-	-	-	2,60	2,60	136202

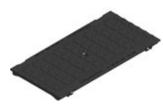
#### Systems **SERVICE CHANNELS**

**SERVICE CHANNEL RECYFIX**®PRO 200 made of polypropylene with 20 mm integrated polypropylene angle housing, **class C 250** 









Ductile iron solid cover, black, KTL-coated



Ductile iron solid cover with opening for cables (128 mm x 49 mm), black, KTL-coated



Cover for cable opening for ductile iron solid cover, KTL-coated, black



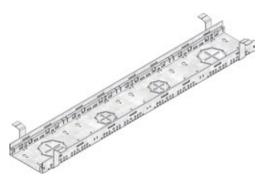
End cap with or without horizontal pipe outlet DN/OD 110, modified PP, type 010

	Length mm	Width mm	Height mm	Internal channel cross-sect. cm²	Weight kg	Item No.
Type 010	1000	262	200	294	3,20	32071
Ductile iron solid cover, black, KTL-coated	500	249	20	-	8,40	32074
Ductile iron solid cover with opening for cables (128 mm x 49 mm), black, KTL-coated	500	249	20	-	8,10	32075
Cover for cable opening for ductile iron solid cover, KTL-coated, black	152	59	20	-	-	32048
End cap with or without horizontal pipe outlet DN/OD 110, modified PP, type 010	-	258	217	0,20	0,20	32081
Locking handle and screw		-	-	0,10	0,10	32082



#### Accessories

#### Cable routing system



Cable tray, galvanised, FASERFIX SUPER / RECYFIX PRO 200

	Length mm	Width mm		Weight kg	Item No.
Cable tray, galvanised, SERVICE CHANNEL FASERFIX KS 200	-	-	=	2,70	32083
Cable tray, galvanised, FASERFIX SUPER / RECYFIX PRO 200	-	-	-	2,70	32084

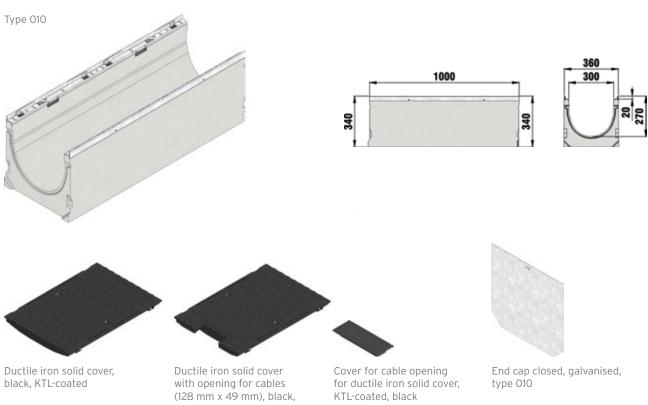


Cutting to length of NW 200

	Length mm	Width mm	Height mm	Weight kg	Item No.
Cutting to length of NW 200	-	-	-	-	992
Mitre cuts NW 200 (price per cut, two cuts necessary)	-	-	-	-	997

#### Systems **SERVICE CHANNELS**

#### SERVICE CHANNEL FASERFIX®KS 300 made of fibre-reinforced concrete with 20 mm angle housing, class C 250



KTL-coated

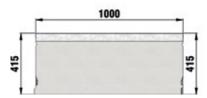
	Length mm	Width mm	Height mm	Internal channel cross-sect. cm²	Weight kg	Item No.
Type 010	1000	360	340	634	117,20	32085
Ductile iron solid cover, black, KTL-coated	500	349	20	-	11,80	32041
Ductile iron solid cover with opening for cables (128 mm x 49 mm), black, KTL-coated	500	349	20	-	14,10	32045
Cover for cable opening for ductile iron solid cover, KTL-coated, black	152	59	20	-	-	32048
End cap closed, galvanised, type 010	-	360	340	1,90	1,90	32091
Installation aid NW 300 (2 pieces required) - due to security reasons no return can be made	-	-	-	3,70	3,70	136242

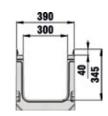
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## **SERVICE CHANNEL** 300

## **SERVICE CHANNEL FASERFIX**®SUPER 300 made of fibre-reinforced concrete with 40 mm angle housing, **class E 600**













Ductile iron solid cover, black, with plastic caps

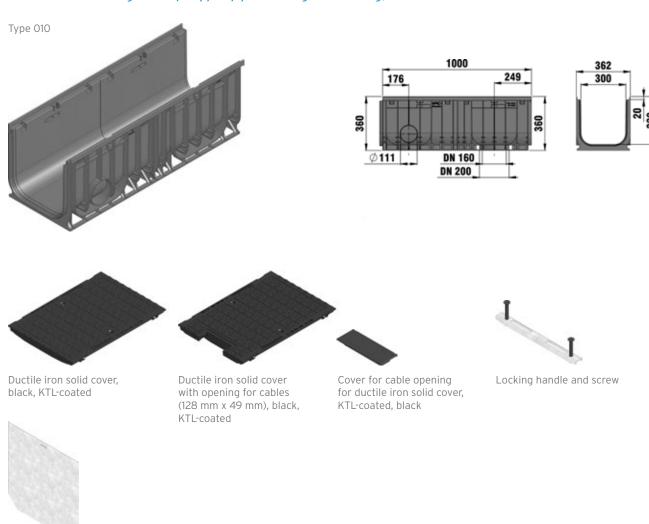
Ductile iron solid cover, black, KTL-coated, with plastic caps

End cap closed, type 01 E

	Length mm	Width mm	Height mm	Internal channel cross-sect. cm²	Weight kg	Item No.
Type 01 E	1000	390	415	900	133,70	32086
Ductile iron solid cover, black, with plastic caps	500	377	40	=	21,50	32088
Ductile iron solid cover, black, KTL-coated, with plastic caps	500	377	40	-	21,50	32346
End cap closed, type 01 E	-	390	415	2,70	2,70	32092
Installation aid NW 300 (2 pieces required) - due to security reasons no return can be made	-	-	-	3,70	3,70	136242

#### Systems SERVICE CHANNELS

**SERVICE CHANNEL RECYFIX**®PRO 300 made of polypropylene with 20 mm integrated polypropylene angle housing, **class C 250** 



End	сар	closed,	galvanised,
vne	010	)	

	Length mm	Width mm	Height mm	Internal channel cross-sect. cm²	Weight kg	Item No.
Type 010	1000	362	360	873	7,60	32087
Ductile iron solid cover, black, KTL-coated	500	349	20	-	11,80	32089
Ductile iron solid cover with opening for cables (128 mm x 49 mm), black, KTL-coated	500	349	20	-	14,10	32090
Cover for cable opening for ductile iron solid cover, KTL-coated, black	152	59	20	=	-	32048
Locking handle and screw	-	-	-	0,30	0,30	32094
End cap closed, galvanised, type 010	-	360	360	1,90	1,90	32093

#### Accessories

#### Cable routing system



Cable tray, galvanised, SERVICE CHANNEL FASERFIX KS 300



Cable tray, galvanised, SERVICE CHANNEL FASERFIX SUPER / RECYFIX PRO 300

	Length mm	Width mm	Height mm	Weight kg	Item No.
Cable tray, galvanised, SERVICE CHANNEL FASERFIX KS 300	-	-	-	3,20	32095
Cable tray, galvanised, SERVICE CHANNEL FASERFIX SUPER / RECYFIX PRO 300	-	-	-	4,20	32096



Cutting to length of NW 300



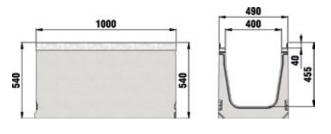
Mitre cuts NW 300 (price per cut, two cuts necessary)

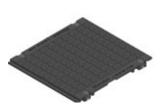
	Length	Width	Height	Weight	Item
	mm	mm	mm	kg	No.
Cutting to length of NW 300	-	-	-	-	993
Mitre cuts NW 300 (price per cut, two cuts necessary)	-	-	-	-	998

#### Systems **SERVICE CHANNELS**

## **SERVICE CHANNEL FASERFIX**®SUPER 400 made of fibre-reinforced concrete with 40 mm angle housing, **class E 600**











End cap closed, galvanised, type 01



Installation aid NW 400 (2 pieces required) - due to security reasons no return can be made

	Length mm	Width mm	Height mm	Internal channel cross-sect. cm²	Weight kg	Item No.
Type 01 E	1000	490	540	1498	255,00	32097
Ductile iron solid cover, black, with plastic caps	500	477	40	-	32,00	32098
End cap closed, galvanised, type 01	-	490	540	4,90	4,90	32099
Installation aid NW 400 (2 pieces required) - due to security reasons no return can be made	-	-	-	5,20	5,20	136304



#### Accessories



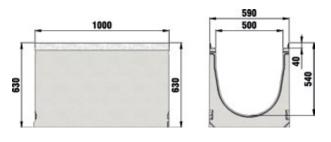
Cutting to length of NW 400

	Length mm	Width mm	Height mm	Weight kg	Item No.
Cutting to length of NW 400	_	-	-	-	985
Mitre cuts NW 400 (price per cut, two cuts necessary)	-	-	-	0,00	949

#### Systems **SERVICE CHANNELS**

#### SERVICE CHANNEL FASERFIX®SUPER 500 made of fibre-reinforced concrete with 40 mm angle housing, class E 600







black, with plastic caps



End cap closed, galvanised



Installation aid NW 500 (2 pieces required) - due to security reasons no return can be made

	Length mm	Width mm	Height mm	Internal channel cross-sect. cm²	Weight kg	Item No.
Type 01	1000	590	630	-	307,50	32101
Ductile iron solid cover, black, with plastic caps	500	577	40	-	42,00	32102
Ductile iron solid cover, black, KTL-coated, with plastic caps	500	577	40	-	42,00	32347
End cap closed, galvanised	-	590	630	6,80	6,80	32103
Installation aid NW 500 (2 pieces required) - due to security reasons no return can be made	-	-	-	6,50	6,50	136366



#### Accessories



Cutting to length of NW 500

	Length mm	Width mm	Height mm	Weight kg	Item No.
Cutting to length of NW 500	=	-	-	-	989
Mitre cuts NW 500 (price per cut, two cuts necessary)	-	-	_	0,00	959



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