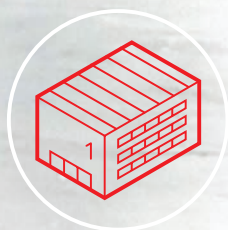




# PUT THE WIRING WHEREVER YOU LIKE!

SERVICE CHANNEL HAURATON

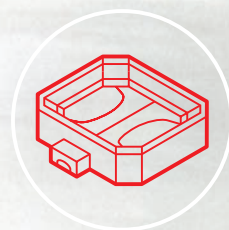
- Ground installation
- Accessible cable-routing system



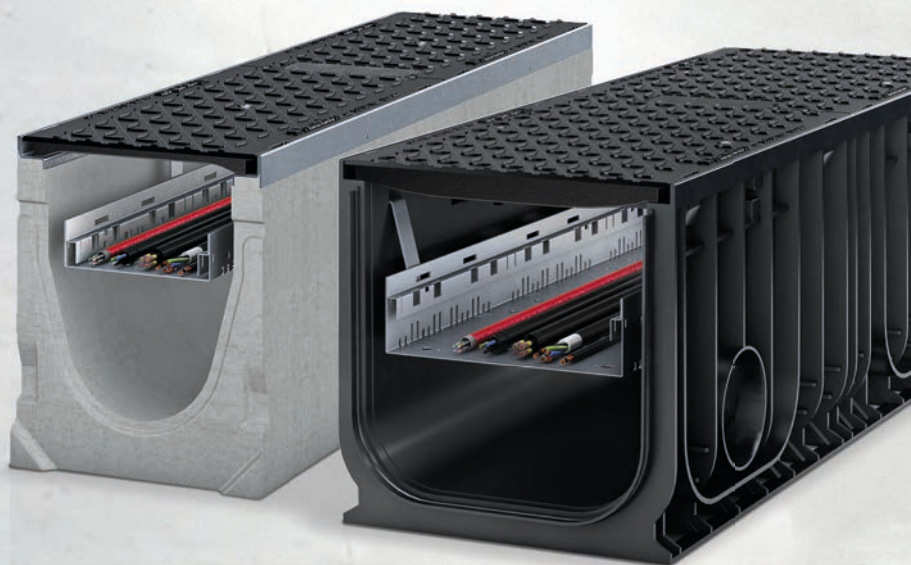
Exhibition halls



Production  
workshops



Stadiums

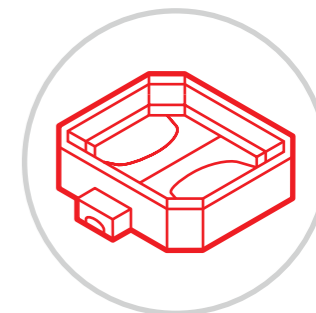




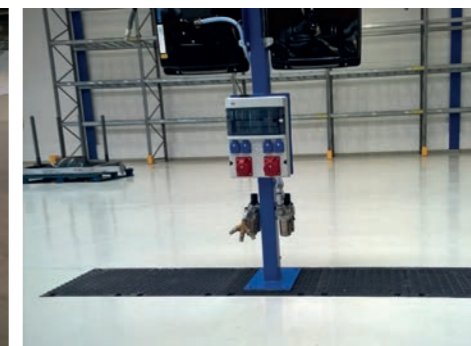


• Conference Centre - ICE Cracow - Cracow /Malopolskie - Poland

## EXHIBITIONS, PRODUCTION WORKSHOPS AND STADIUMS: **NUMEROUS OPPORTUNITIES.**



• Yorkshire Event Centre,  
Harrogate, North Yorkshire, Great Britain



• Volvo prototype factory  
Wrocław, Poland



• Wembley Stadium  
London (Brent), Great Britain

**Never before has the organisation and routing of electrical supply and information cables been so easy.**

Everything in one system: any special and individual requirements for exhibitions, production workshops and stadiums can be fulfilled with the quickly rearranged and ground installed SERVICE CHANNEL cable routing systems from HAURATON.

You can choose between FASERFIX®KS and FASERFIX®SUPER channels made of fibre reinforced concrete and RECYFIX®PRO channels made of 100% recyclable composite. Each is a complete system which can provide more flexibility, stability, design opportunities and requires less effort, time and cost.



**SERVICE CHANNELS**  
RELIABLE.  
FLEXIBLE.  
EFFICIENT.



**Germany**

**Max-Morlock-Stadium**, Nuremberg  
**Exhibition ground**, Kassel



**France**

**Hospital**, Saint-Étienne  
**Pôle Nautique**, Perpignan  
**Rugby stadium**, Pau  
**Roazhon Park**, Rennes  
**Stade Marcel-Picot**, Tomblaine, Nancy



**Italy**

**A1 Motorway service area**, La Macchia Est, Anagni



**Poland**

**Spire Office Building**, Warsaw  
**Stadium Energa**, Gdansk  
**Football stadium KGHM**, Lubin  
**ICE Krakow Conference Centre**, Krakow  
**Production workshop**, Jasin  
**Henryk-Reyman-Stadium**, Krakow  
**Town stadium**, Lodz  
**Volvo prototype factory**, Wrocław



• Warsaw Spire Office Building - Warsaw - Poland



• Wisla Stadium - Krakow - Poland



• Henryk-Reyman-Stadium - Krakow - Poland



**Russia**

**Olympia stadium Luschniki**, Moscow



**Slovakia**

**Town centre**, Handlová



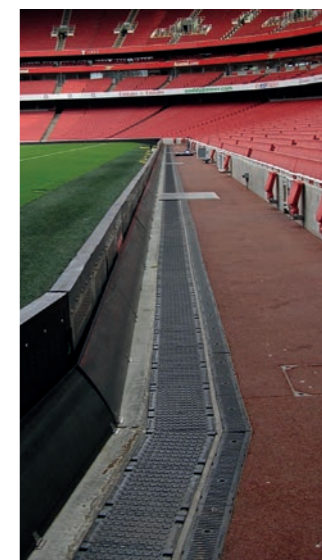
**Czech Republic**

**Bosch Rexroth**, Brno  
**O2 Arena**, Prague



**United Kingdom**

**Caterpillar Ltd.**, West Peterlee  
**County Cricket Ground**, Leeds  
**Edgbaston Cricket Ground**, Birmingham  
**FC Emirates Stadium**, London  
**Integrated Waste Facility Padworth**, Reading  
**Lagan Valley Hospital**, Lisburn  
**Lorry washing plant "Lymm Services"**, Cheshire  
**Silverstone Wing**, Towcester  
**University**, York  
**W&H Peacock Auction House**, Bedford  
**Wembley Stadium**, London



• Arsenal FC Emirates Stadium - London - Great Britain



• Production workshop - Jasin - Poland



• Volvo prototype factory - Wrocław - Poland



## SERVICE CHANNELS: SUCCESSFUL IN SERVICE.

 **PRODUCTION WORKSHOP**  
RULMECA in Aschersleben, Germany

RULMECA has built a new production facility at Aschersleben in Sachsen-Anhalt. The company is the biggest supplier worldwide of conveyor drums and axial cylinder motors for heavy load conveyor belts for use in stone breaking and mining. There were complex installation requirements for the construction of the industrial plant.

The SERVICE CHANNEL FASERFIX®SUPER is the perfect solution for the installation and routing of supply and information cables. The fire-safe and accessible systems are installed in the ground and tested and certified for load carrying capacity and durability. Heavy vehicles can drive over them without any issues, even fork lift trucks.

HAURATON delivered 480 metres of the SERVICE CHANNEL system FASERFIX®SUPER 200, Type 020 E made of fibre reinforced concrete with ductile iron covers in class E 600 for the new production workshop of RULMECA. The boltless locking system SIDE-LOCK locks the covering so that it is safe for traffic to pass over even in difficult situations without bolts.

RULMECA decided to use FASERFIX®SUPER service channels because of their easy installation, the avoidance of stumbling blocks and consequently the reduction of risk during production.



 **SERVICE CHANNEL system in the  
LUSCHNIKI-STADIUM** in Moscow, Russia

A football world cup is a big media event around the globe. Transmission equipment must be installed in the stadium quickly and then quickly be removed. When the Moscow Luschniki-Stadium which has some 81,000 seats, and is one of the biggest arenas in Europe, was upgraded the conditions for the technical installations for television broadcasting were significantly improved. This was an interesting challenge for HAURATON. The SERVICE CHANNEL system FASERFIX®SUPER was installed during the extensive modernisation of the famous stadium. Consequently cables and wires could be laid quickly and flexibly.

If the SERVICE CHANNEL is only required at short notice for the power supply or information cables the covers can be quickly and easily opened. Our patented boltless locking system SIDE-LOCK makes this possible. No fastenings are necessary to refix the covers. Foot pressure on the covers is enough to lock them again so that they can cope with heavy traffic loads.

Tripping over cables on the floor is avoided with this flexible cable routing system. At the same time the upper edges of the HAURATON SERVICE CHANNELS are protected by an angle housing system. This prevents the breakout of the upper edges. Due to the use of the service channel precast elements the installation can be done quickly and easily and expensive form work can be avoided. This saves time and expense during the construction phase.



# 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

= SECURITY / COST SAVINGS

## HIGH STABILITY

- maximum lateral stability
- extra thick wall thickness compared to many competitor products, for additional safety in extreme situations
- installation for asphalted surfaces up to class E 600, without concrete stretcher

= SECURITY / DURABILITY

## HIGH-GRADE MATERIAL

- "Made in Germany"
- maximum stability due to fibre-reinforced 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

= SECURITY / DURABILITY

## UNIQUE DUCTILE IRON GRATINGS WITH NUMEROUS COMBINATION OPTIONS

- high-quality KTL-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

= FLEXIBILITY / SECURITY

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

- KTL-coated
- easy opening and closing of the cable inlet and outlet

= FLEXIBILITY

## LARGE, CLEAR CROSS- SECTION

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

= FLEXIBILITY

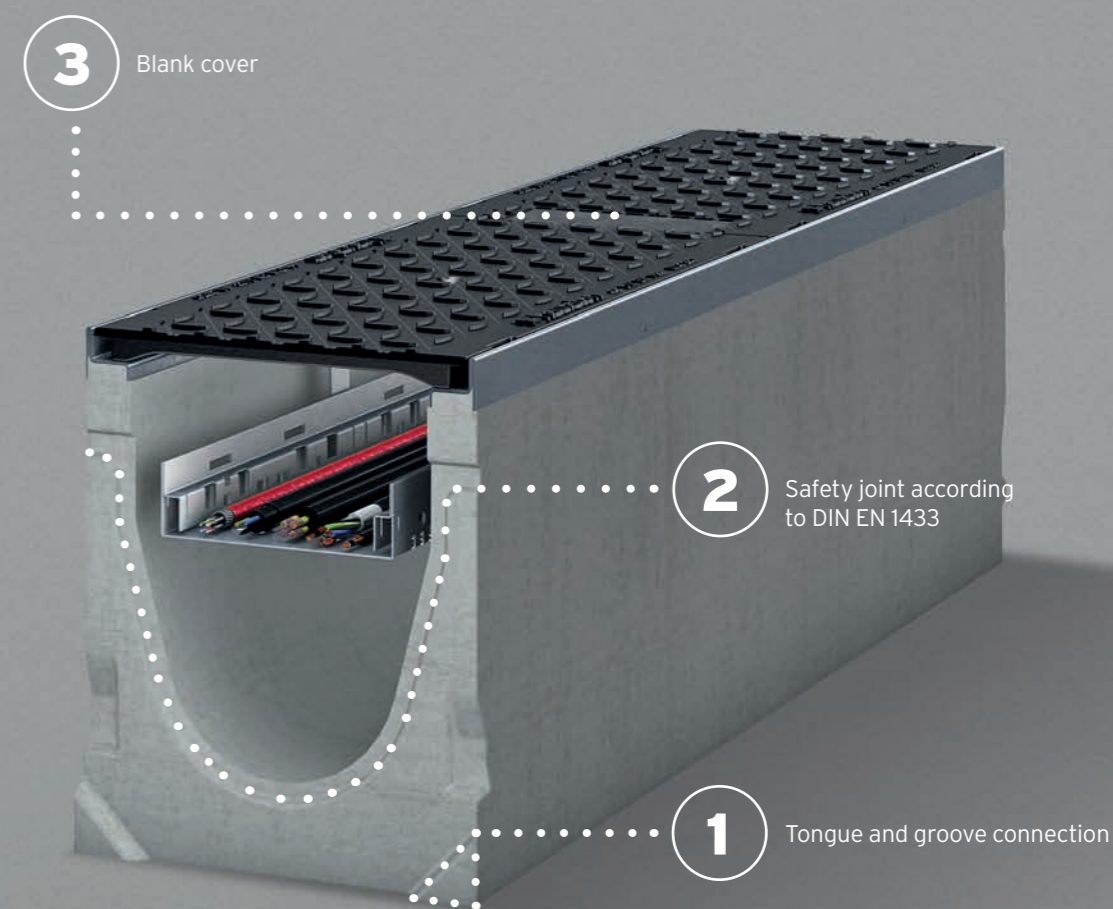
## OPTIONAL CABLE-ROUTING SYSTEM

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

= 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.



# 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

= SECURITY

## LOW WEIGHT ENSURES EASY HANDLING ON SITE

- considerably lighter than channels made of polymer/resin concrete
- easy transport and installation

= 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-slip feature
- extremely durable
- various covers: closed, with opening for cable outlet

= FLEXIBILITY / SECURITY

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

- KTL-coated
- easy opening and closing of the cable inlet and outlet

= FLEXIBILITY

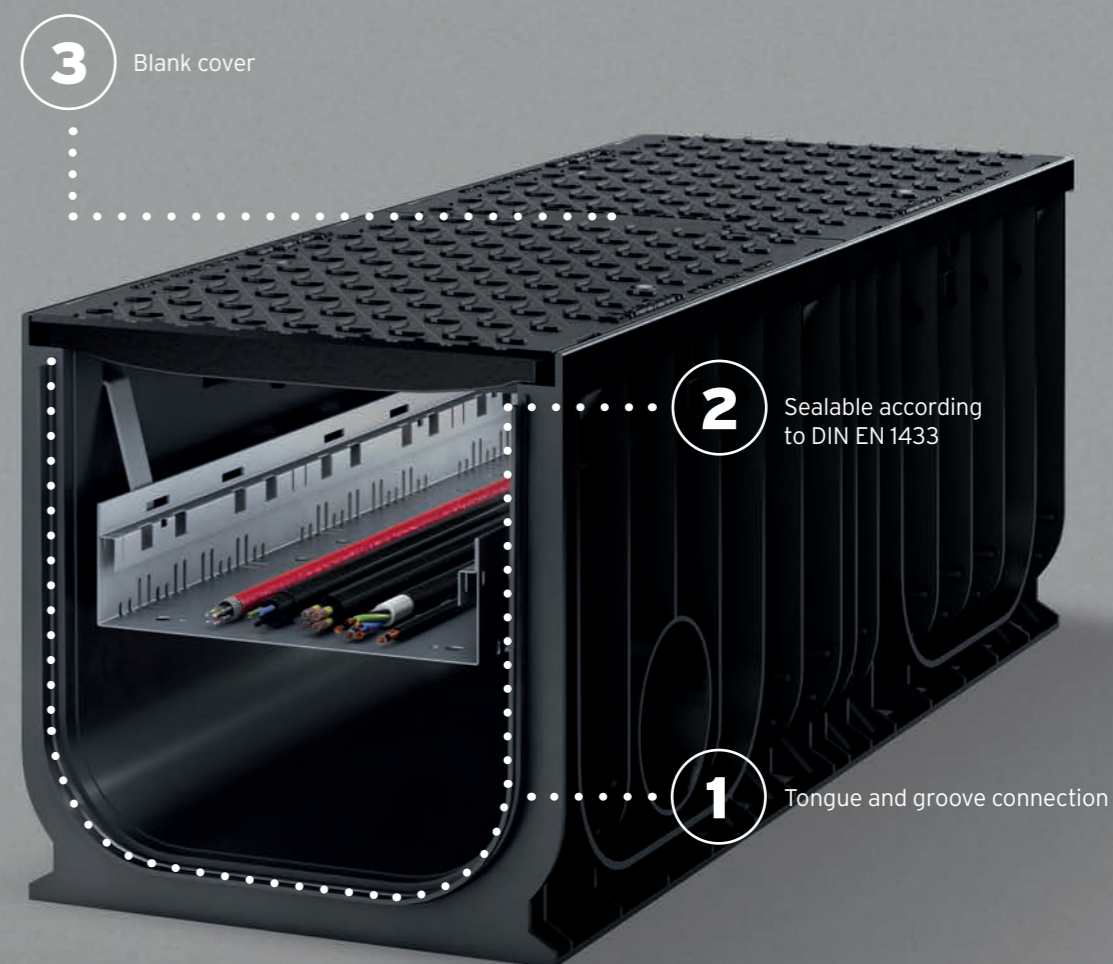
## OPTIONAL CABLE ROUTING SYSTEM

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

= FLEXIBILITY

## IDEAL FOR

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



100 % CORROSION-FREE



## SIMPLE INSTALLATION. QUICK CONVERSION. SAVE TIME AND MONEY.



• United Kingdom, Wembley Stadium, Brent, London

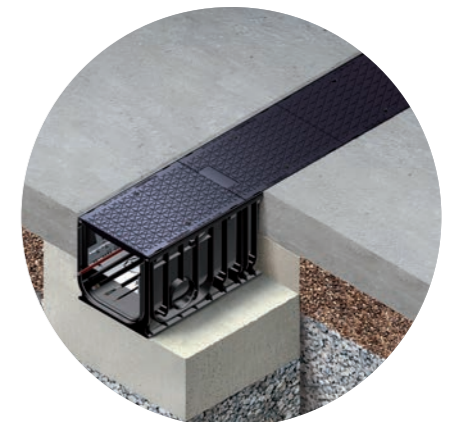
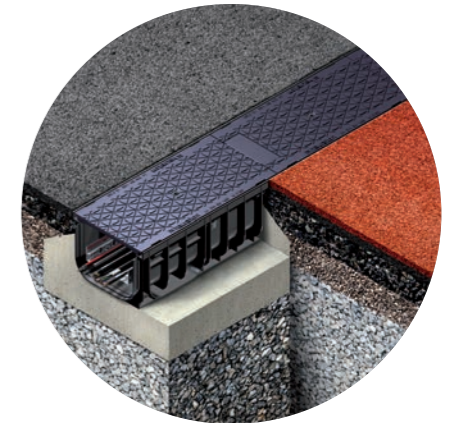
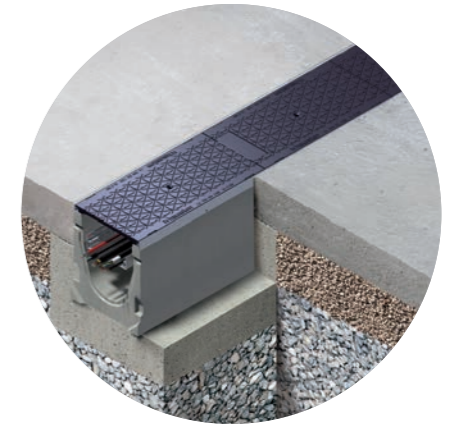
**Installation today. Production tomorrow. Change the layout the day after that. Stay flexible with the cable routing system and media use.**

With the SERVICE CHANNEL you can choose between different models, sizes and designs of covering to meet your requirements. On the work site the ease of handling is a big advantage as the channels can be installed quickly and easily without expensive formwork.

Since nothing is more constant than the need for change we have designed openings with the option for cable routing. Thus, you can flexibly change processes and use plans for exhibition halls, production workshops and stadiums.

### Individual design options

- Different SERVICE CHANNEL systems
- Combinable covering designs, closed - or fitted with cable openings or KTL-coated.
- Flexible routing through T and cross connections
- Quick and easy to change the routing with the patented boltless locking system SIDE-LOCK
- Adaptable at any time thanks to individual laying grids and flexible connections

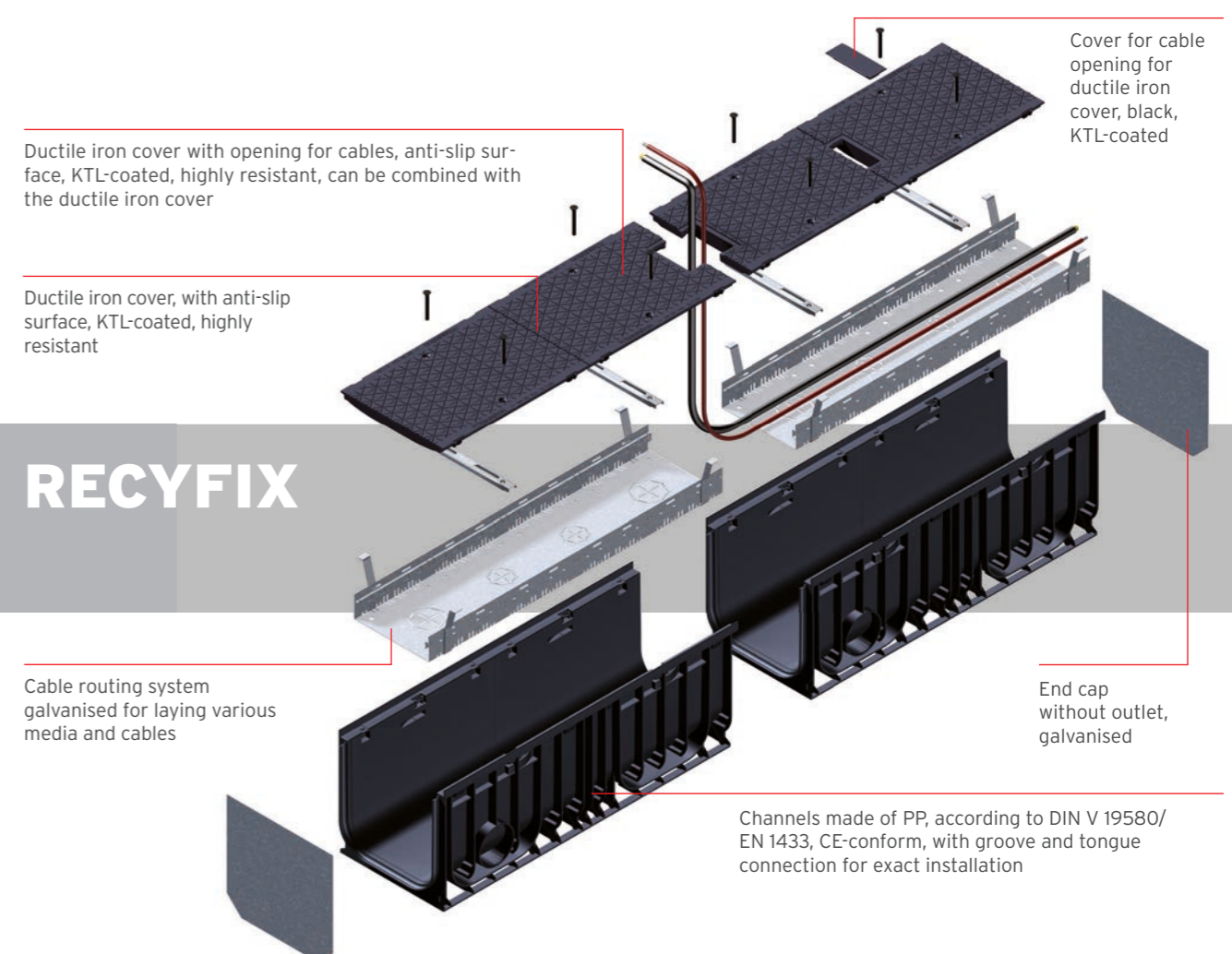
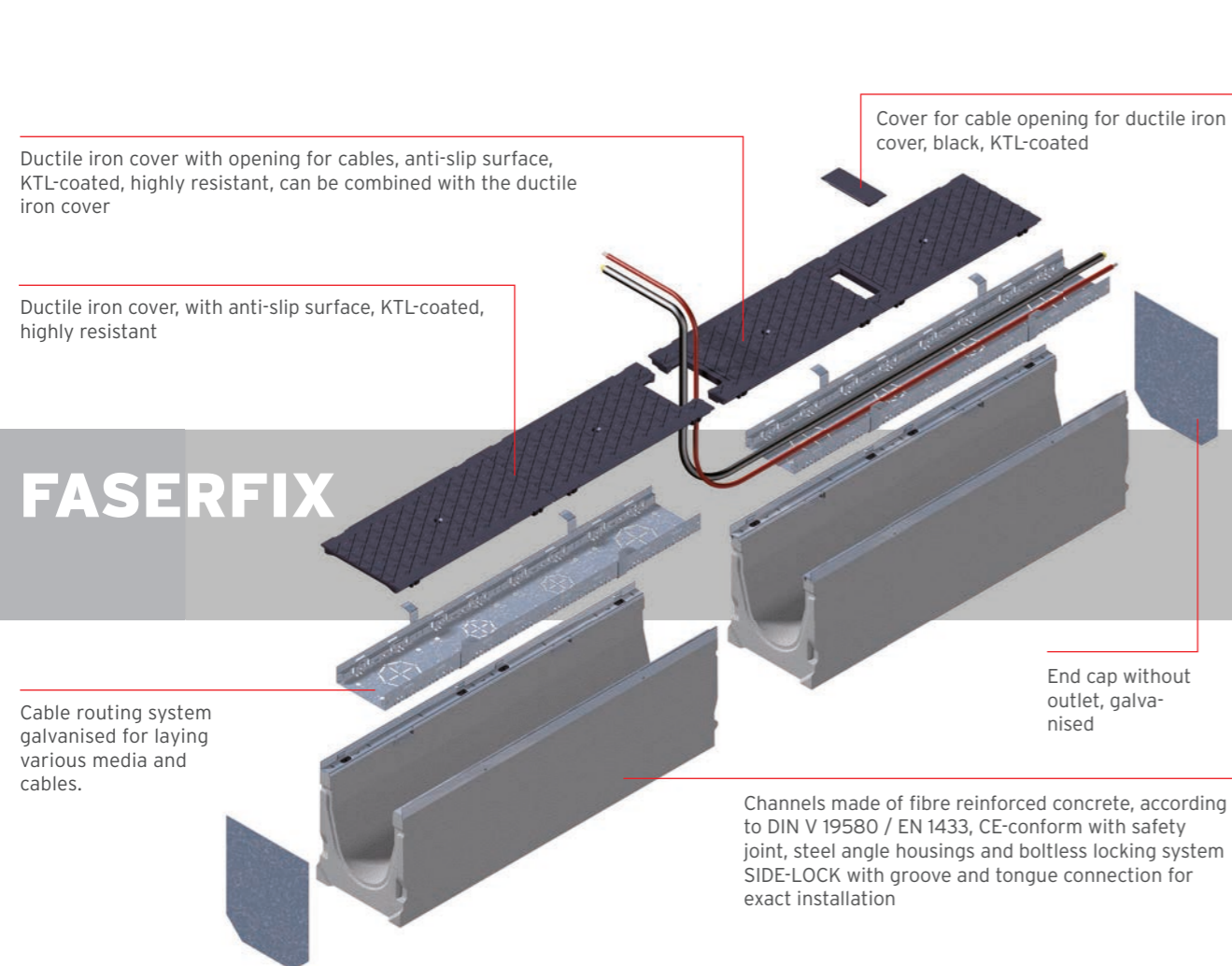




# TECHNICALLY PERFECT. ADAPTED TO YOUR REQUIREMENTS.

**Take advantage of a product which is technically attractive, pre-manufactured and can be combined with others.**

The benefits extend from high quality materials, corrosion protected angle housings, the boltless locking system SIDE-LOCK, to the many advantages of the ductile iron covers and blind plugs.

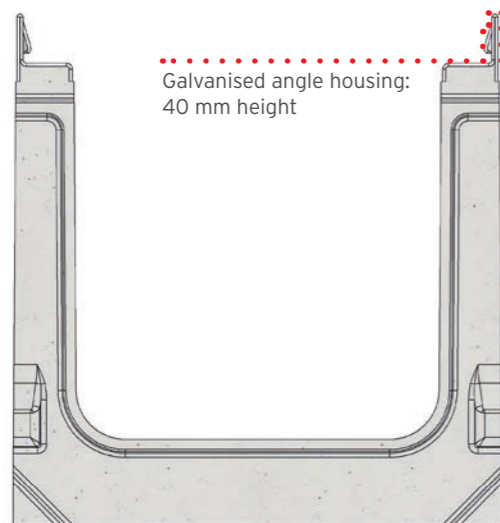




# STRONG. LARGE. RELIABLE.

**Ideal for:**

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



## SERVICE CHANNEL FASERFIX<sup>®</sup>SUPER

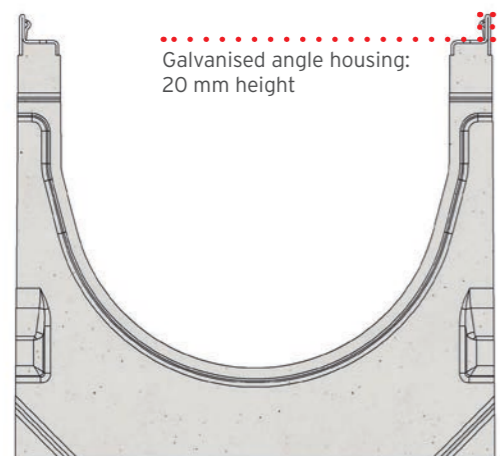
Made of fibre-reinforced concrete with 40 mm angle housing

**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<sup>®</sup>KS

Made of fibre-reinforced concrete with 20 mm angle housing

**Nominal width:**

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

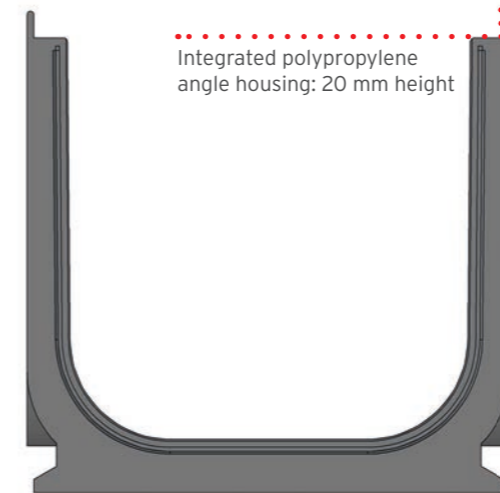
**Load class:**

**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<sup>®</sup>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).



# LESS STRESS. MORE SUPPORT. MORE APPLICATIONS.

We love what we do. And so that you can do more of what YOU love, we provide you with a team that accompanies you in all phases of your work. Together with you and for you, we think ahead, calculate, optimise and implement - giving you the perfect project.

**The magnitude makes the difference - we provide you with constant advice and assistance. Project support for all phases of the project.**



## 1. Consultation

We support you right from the basic evaluation with expertise and know-how of all our products.



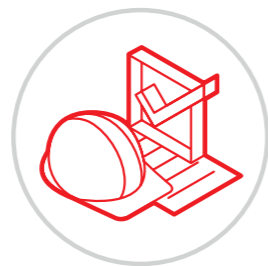
## 2. Planning

Our services cover the complete period of the planning phase.



## 3. Tender proposal

We work with you to develop everything you need to win the contract.



## 4. Planning process

In the implementation phase we prepare all individual documents for the planning process for you. Information tailored to your schedule enables you to begin work on time. We will then accompany you, if you wish, until the end of the project.

# NEW DIRECTIONS. YOUNG TEAM. INTELLIGENT SOLUTIONS.



HAURATON has broken new ground in the development of the SERVICE CHANNEL range. A team of young specialists dedicated themselves to the topic completely independently. Employees from sales, marketing, purchasing, R&D, logistics and project management were involved.

After carrying out a comprehensive market analysis, the young management team put together a systematic redevelopment process. Existing products were used and new ones were introduced as well. A product range was created for quick and flexible laying of cables and lines in an adaptable, heavy-duty channel system.



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### **Your contact for HAURATON SERVICE CHANNELS:**

#### **Patrick Riewe**

##### **Project Manager**

Patrick.Riewe@hauraton.com  
Tel.: +49 7222 958-139  
Mobile: +49 174 9263 450



Patrick Riewe was involved in the development of the new SERVICE CHANNELS product range. He would be pleased to advise you about the available options and will collaborate with you to develop individual solutions for your project.

We reserve the right to make technical changes to improve the products.

Illustrations, dimensions and weight details are not binding.

06/2018  
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