



(Split-) duct system.
Safe repair of
occupied cable ducts.

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gabocom.

Your future network partner.

From drainage pipe to speed•pipe®

What began in 1970 with the production of the first plastic pipes and general fittings for telecommunications is today a coordinated complete system provided by a single source. Consistent performance capabilities throughout the entire life cycle and more than 50 years of experience in telecommunications make us what we are today:

gabocom is your manufacturer of micro duct systems - made in Germany and since 2019 'a member of HellermannTyton'.

We give our advice eye-to-eye already during the development process of your fibre-optic network. Along with you we consider all requirements of the broadband extension. By means of our products you use existing duct systems, lay new duct routes and master the crossover between both variants. We are constantly growing with new challenges in the FTTx-sector – every single experience gained improves our speed•pipe® system.

Not for nothing our products are complementary to one solution like made of one piece: fittings for sealing and fixing all dimensions of ducts and variants of bundles as well as our accessories and split ducts for existing duct routes complete our portfolio as system provider.

With HellermannTyton we have found our perfect match. As a leading provider of fibre management systems, HellermannTyton offers a complete end-to-end range of FTTx solutions that, together with gabocom products, cover fibre connectivity and distribution along the broadband roll-out.

Visit our website:
www.gabocom.com

Your investment in infrastructure is supposed to be secure and successful. Therefore we are by your side with pleasure. You can find your personal contact on our website at any time – Europe-wide. Just make use of our callback service on www.gabocom.com.



gabocom.

Your future
network partner.

→ **50⁺**

years of experience in
serving the telecoms
industry

→ approx.

300⁺

employees

→ Since

2019

a Member of HellermannTyton

→ **55T**

sqm

of factory area based in
Niederwinkling, Germany

→ **30⁺**

patents

→ Serving more than

40⁺

countries worldwide

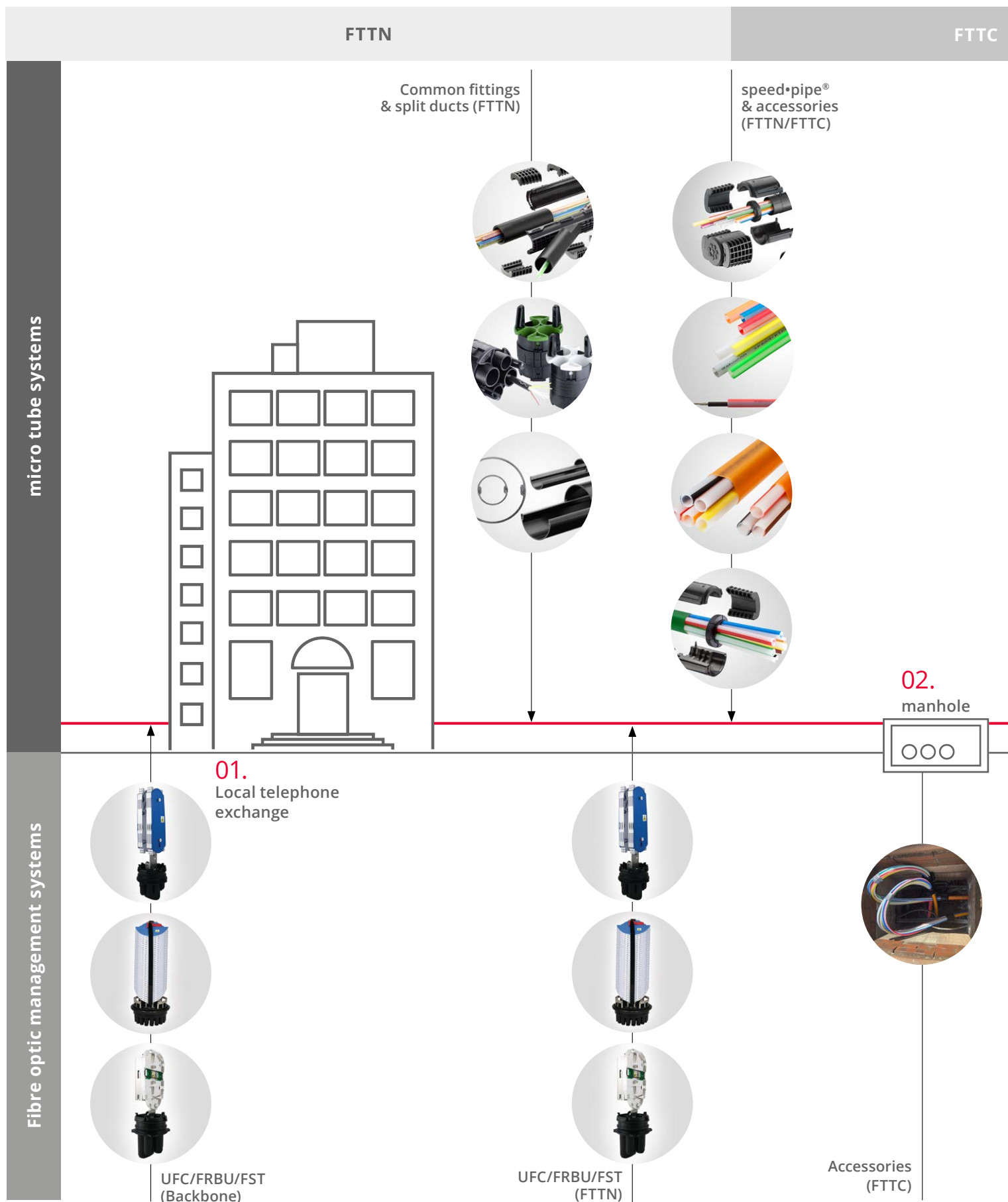
→ More than

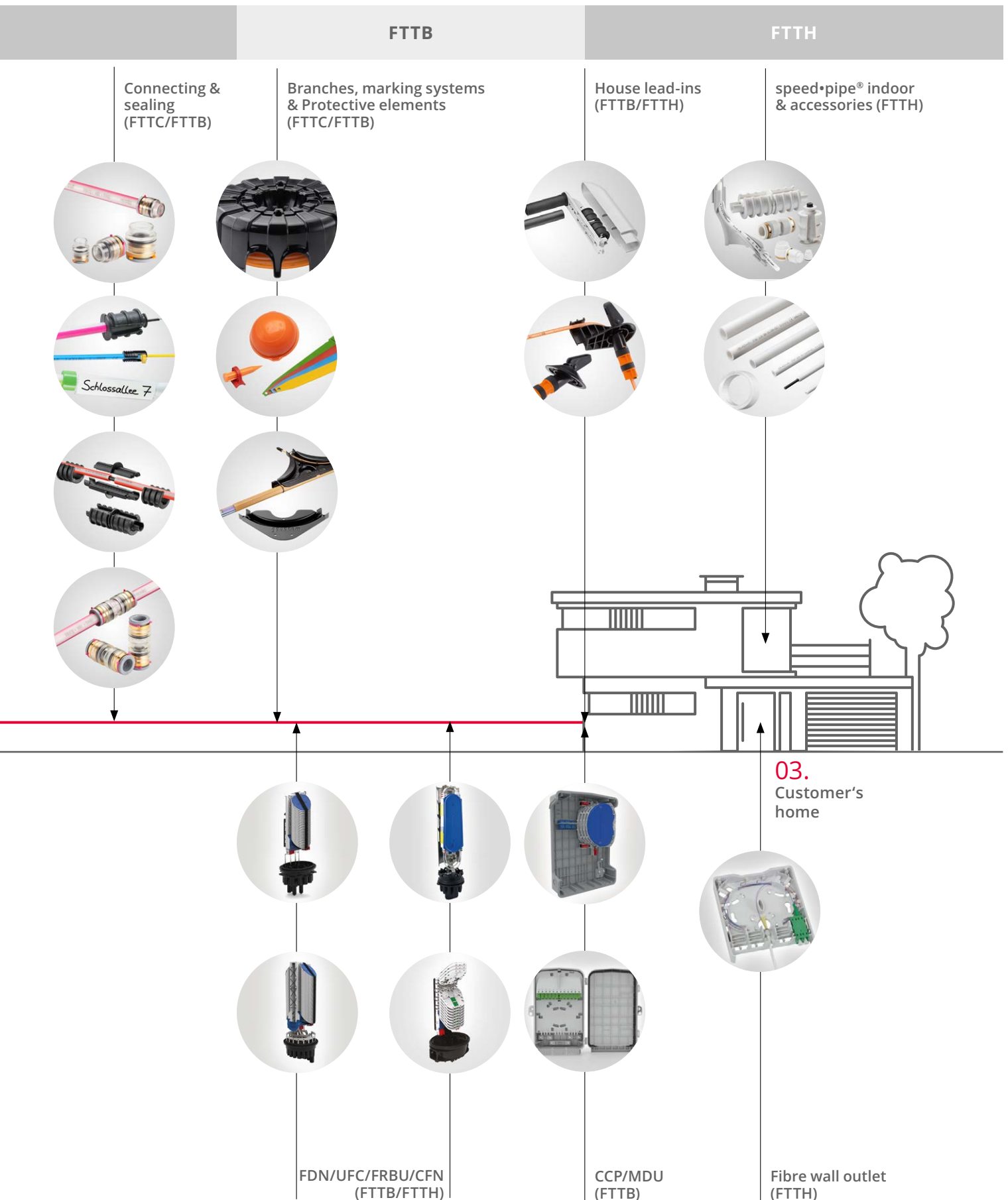
3.8

Mio km
of speed•pipe® ducts
and bundles already laid
around the world

dated 02/2025

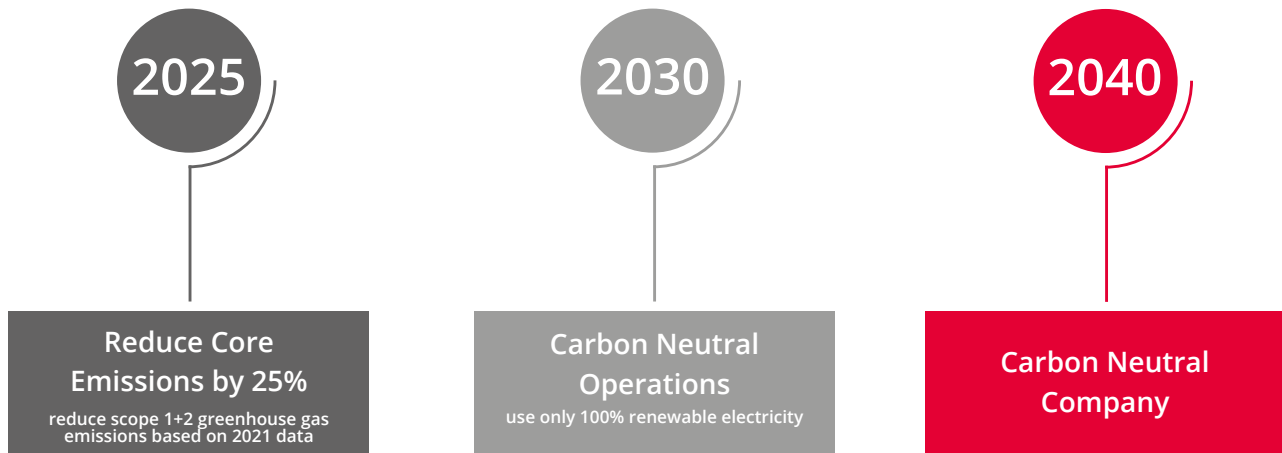
System solutions thought further. gabocom & HellermannTyton.





Sustainability. Our responsibility.

OUR CLIMATE TARGETS.



EFFECTING POSITIVE CHANGE - OUR SUCCESSES.



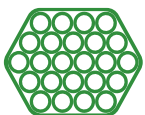
WATER TREATMENT

- conversion to free cooler with winter relief
- utilisation of cool ambient temperatures to reduce electricity consumption
- recycling of our cooling water using the closed-loop principle



ELECTRICITY CONSUMPTION

- use of electricity from 100% renewable energy sources
- conversion to LED lighting in approx. 75% of the company areas, supported by automatic on/off control
- optimisation of the compressed air network and regular leak detection
- replacement of compressed air equipment with energy-saving blowers
- increasing efficiency and saving energy by insulating the injection connection



MATERIALS USED

Both the jacket and the speedpipe are made of single-origin polyethylene (PE-HD) and can be recycled together at the end of their life cycle.



PACKAGING MATERIAL USED

- use of cardboard packaging made from 100% recycled material to conserve resources
- change in packaging method for palletised goods reduced the need for PE film (saving approx. 4.5 tonnes of PE film annually)

OUR CERTIFICATIONS.



Environmental Management System
according to ISO 14001:2015



Energy Management System
according to ISO 50001:2018



Quality Management System
according to ISO 9001:2015



FURTHER COMMITMENT.

ecovadis evaluates companies' activities in the areas of the environment, labour and human rights, ethics and sustainable procurement. gabocom also takes part in this evaluation and was awarded the silver medal in the current EcoVadis rating.



CDP is an international, non-profit organisation that provides a system for the disclosure of environmental data. gabocom, together with its parent company Aptiv PLC, reports publicly on a consolidated CDP report.



The Science Based Targets are corporate climate targets for reducing emissions on the basis of the Paris Climate Agreement. We have set these targets for ourselves together with our parent company Aptiv.



Extend the life of existing duct systems.

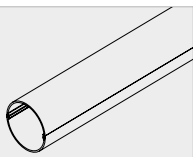
Safe repair and sealing of occupied cable ducts. (Split-)duct system.

The split duct system is designed for protecting and upgrading existing duct routes. Split along the length, these protective ducts can be easily installed around already occupied conduits or cables without interrupting operation. They provide mechanical protection, enable quick repairs, and make it possible to extend networks efficiently – all while maintaining the integrity of the existing infrastructure.

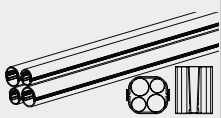
Complementing this, the wide range of common fittings ensures reliable sealing, fixing and connecting of ducts across all dimensions. From connectors and end caps to sealing elements, branch and transition fittings, every component contributes to secure and durable installations. The fittings offer flexibility for various installation scenarios, and are designed for efficient handling on site.

Together, the split duct system and common fittings form an essential part of modern duct networks – ensuring that fibre roll-outs are not only fast and efficient, but also long-lasting and future-proof.

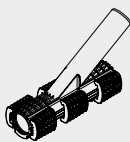
1. (Split-)duct system.



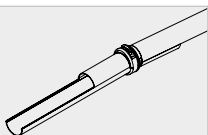
1.1 Split ducts



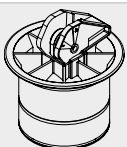
1.2 Repair set for multiducts



1.3 Branch supports

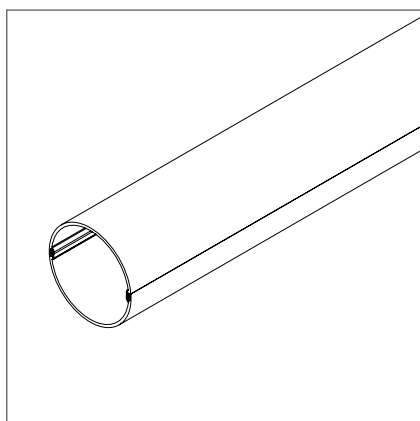


1.4 Split duct accessories



1.5 Accessories for Telecommunications duct systems

1.1 Split ducts.



Split ducts KKHR



Split ducts KKHR for pressure-tight sealing of damage in cable ducts.

PRESSURE-TIGHT AND DIVISIBLE SOLUTIONS FOR REPAIR WORKS.

Divisible split duct components seal blowing-in points or repair occupied duct systems quickly, simply and efficiently. Internal speedpipe or cables and the ongoing data transmission remain unaffected by the operations on the protective duct.

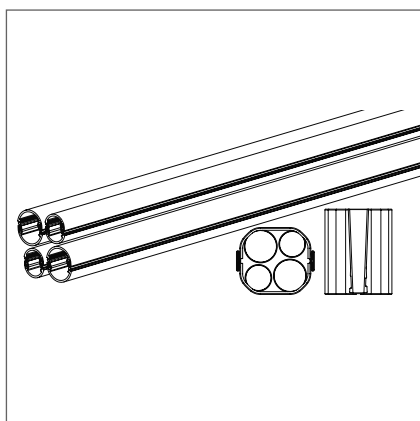
Features and benefits

- suitable for the gas- and water-tight sealing of blow-in points
- two half shells manufactured out of high-quality PVC-U
- easy installation
- assembly device required for correct sealing

Type	Ø (D)	Length (L)	Applications	Colour	Item no.
KKHR_32	32	2000	gas and waterproof up to 0.5 bar permanently (10 bar / 30 min.)	Black (BK)	12195
KKHR_40	40	2000	gas and waterproof up to 0.5 bar permanently (10 bar / 30 min.)	Black (BK)	9956
KKHR_50	50	2000	gas and waterproof up to 0.5 bar permanently (10 bar / 30 min.)	Black (BK)	9957
KKHR_110	110	2000	gas and waterproof up to 0.5 bar	Black (BK)	14149
	110	6000	gas and waterproof up to 0.5 bar	Black (BK)	4709
KKHR_125	125	3000	gas and waterproof up to 0.5 bar	Black (BK)	5298
	125	6000	gas and waterproof up to 0.5 bar	Black (BK)	5299

All dimensions in mm. Subject to technical changes.

1.2 Repair set for multiducts.



Repair set for multiducts MR-RS



Multiple pipe connector MR-VM to repair occupied multiple pipes.

FOR THE REPAIR OF OCCUPIED MULTIPLE PIPES.

The repair set for multiducts MR-RS has been developed by gabocom for the repair of occupied multiducts and for the connection in manholes. The gas- and water-tight system completes the split duct system KKHR 110. It is compatible with multiducts in the dimensions 2×32 and 2×40 and is easy to assemble.

The set contains:

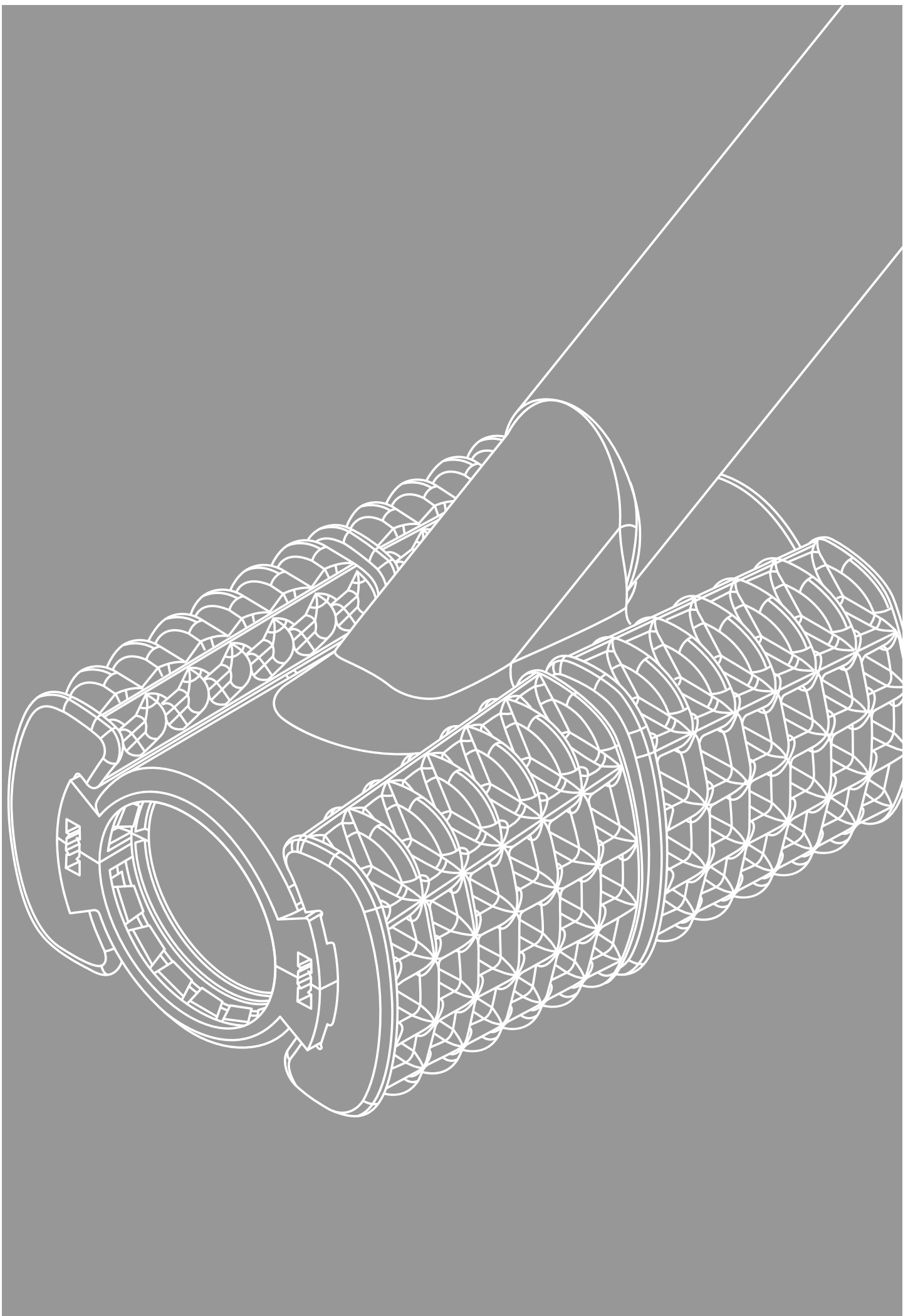
2x split ducts MR-HR 32

2x split ducts MR-HR 40

2x multiple pipe connectors MR-VM

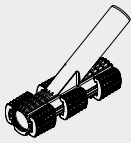
Type	Ø (D)	Ø (D2)	Length (L)	Colour	Item no.
MR-RS	40	32	4000	Black (BK)	6348

All dimensions in mm. Subject to technical changes.

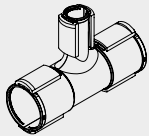


1.3 Branch supports. For direct burying.

Long durability and to safely branch speedpipe or cable from a PE/PVC pipe.

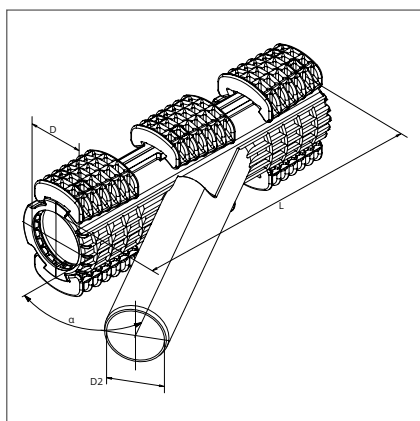


1.3.1 Split duct tees.



1.3.2 Half-shell branch.

1.3.1 Split duct tees.



Branches HRMA



Branch off speedpipe or cable from a PE/PVC pipe with HRMA branches.

BRANCH OFF SAFELY.

Apertures of existing duct systems for branching off standard cables or internal speedpipe are closed safely and simply. Thus no manhole is necessary any more for branching off from a duct system. Install the branches wherever you want to minimize or optimize your routes. Due to the mechanical protection of the branch point you receive optimum results at blowing in fibre optic cables into the internal speedpipe even after decades.

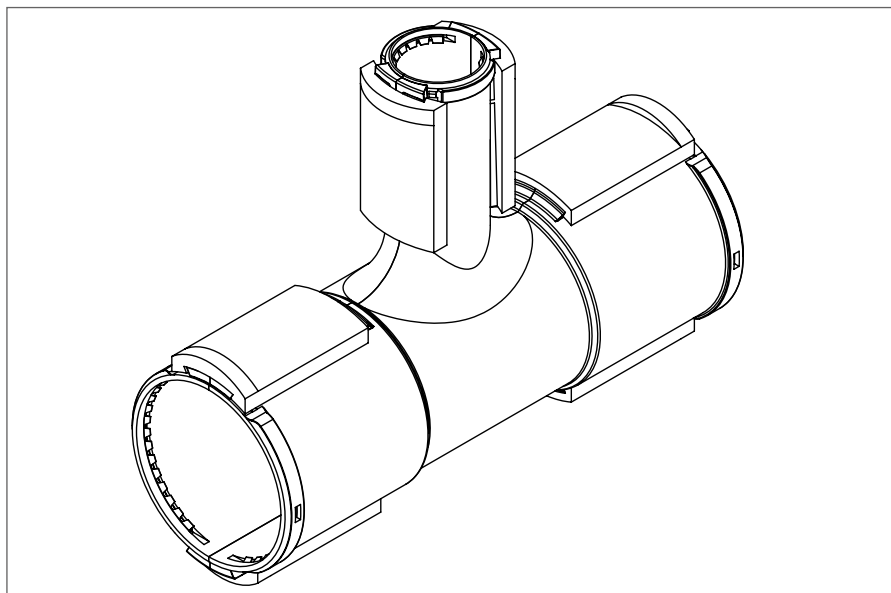
Features and benefits

- gas- and water-tight up to 0.5 bar
- no interference with the other speedpipe or cables or the ongoing data transmissions during the interventions

Type	Ø (D)	Ø (D2)	Angle	Length (L)	Colour	Item no.
HRMA_32/32-30°	32	32	30 °	261	Black (BK)	42174
HRMA_40/32-30°	40	32	30 °	125	Black (BK)	1034
HRMA_40/40-90°	40	40	90 °	261	Black (BK)	10315
HRMA_50/32-30°	50	32	30 °	125	Black (BK)	486
HRMA_50/50-30°	50	50	30 °	261	Black (BK)	4621
HRMA_50/50-90°	50	50	90 °	261	Black (BK)	983
HRMA_110/50-30°-BK	110	50	30 °	300	Black (BK)	288

All dimensions in mm. Subject to technical changes.

1.3.2 Half-shell branch.



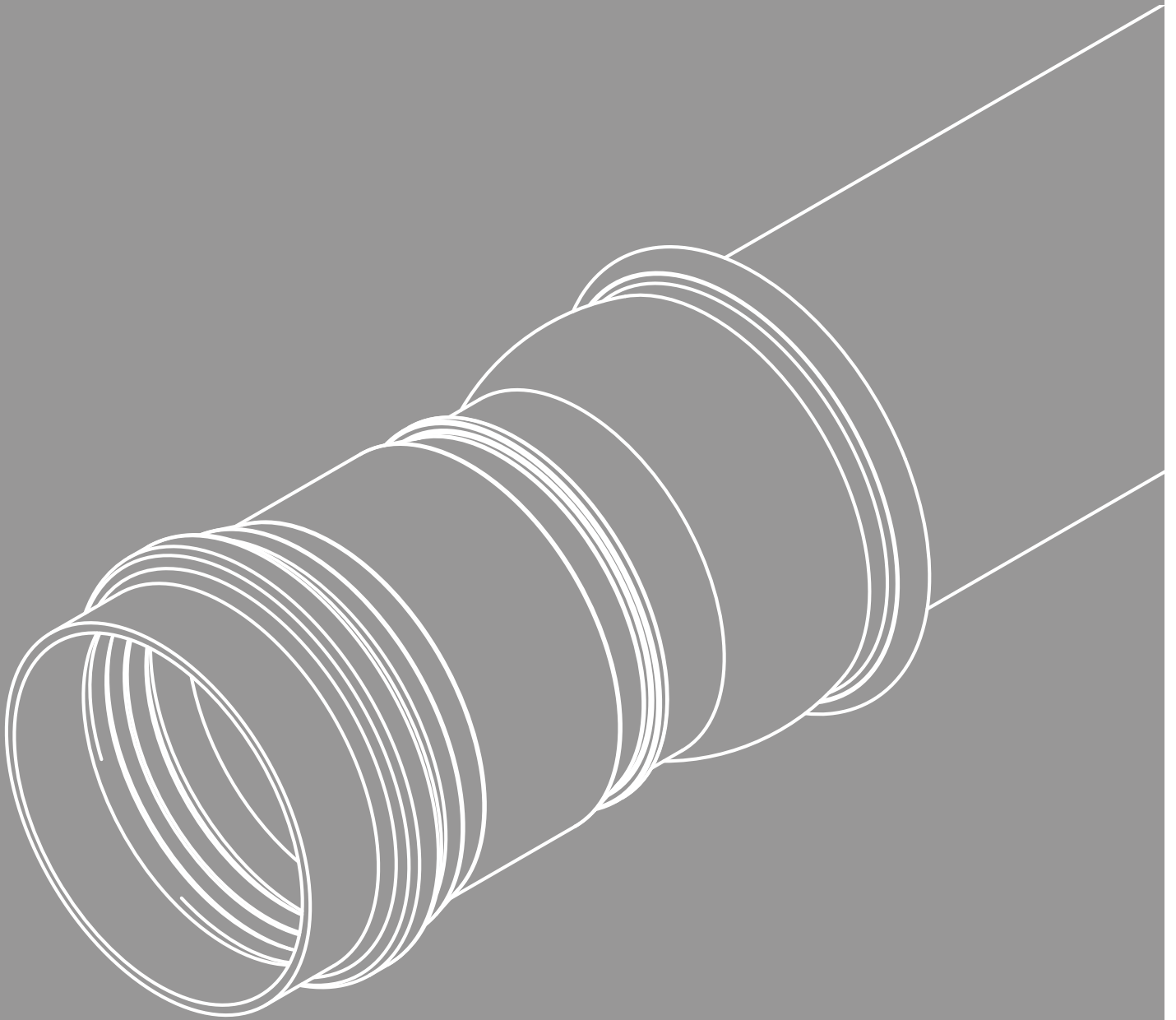
Half-shell branch HSA

EASY AND FAST ASSEMBLY.

The half shell branch HSA is used for passing through and branching cables. It is divided along its longitudinal axis and is tensile in the master as well as in the branching direction. The fitting is sand-tight and can easily and quickly be installed.

Type	Ø (D)	Ø (D2)	Angle	Length (L)	Colour	Item no.
HSA_110/50-90°	110	50	90 °	350	Black (BK)	12233

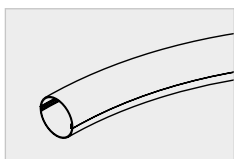
All dimensions in mm. Subject to technical changes.



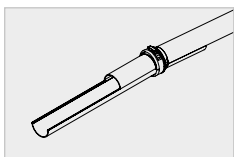
1.4 Split duct accessories.

Quick repair without any net-interruption.

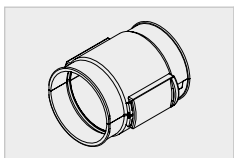
Repair and assembly works can be carried out both quick and cost-saving. Meanwhile occupied ducts can be used further on without any signal interruptions.



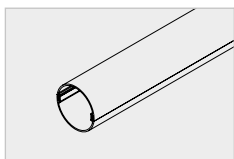
1.4.1 Split duct bends.



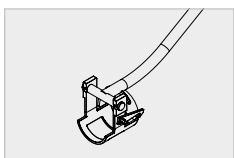
1.4.2 Divisible Cable duct joint bends.



1.4.3 Split duct connectors.

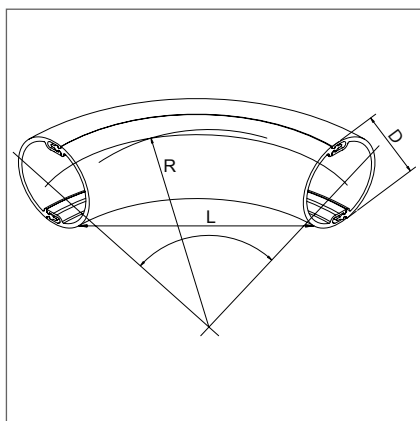


1.4.4 Protective half-shells.



1.4.5 Assembly device.

1.4.1 Split duct bends.



Split duct bends KKHRB



Split duct bends KKHRB

SPLIT DUCT BENDS FOR CABLE DUCTS.

The divisible split duct bends for cable ducts KKHRB are used for the repair of ducts that are layed in curves because of changes in the route or because of height differences. They consist of PVC-U and are gas- and water tight up to 0.5 bar.

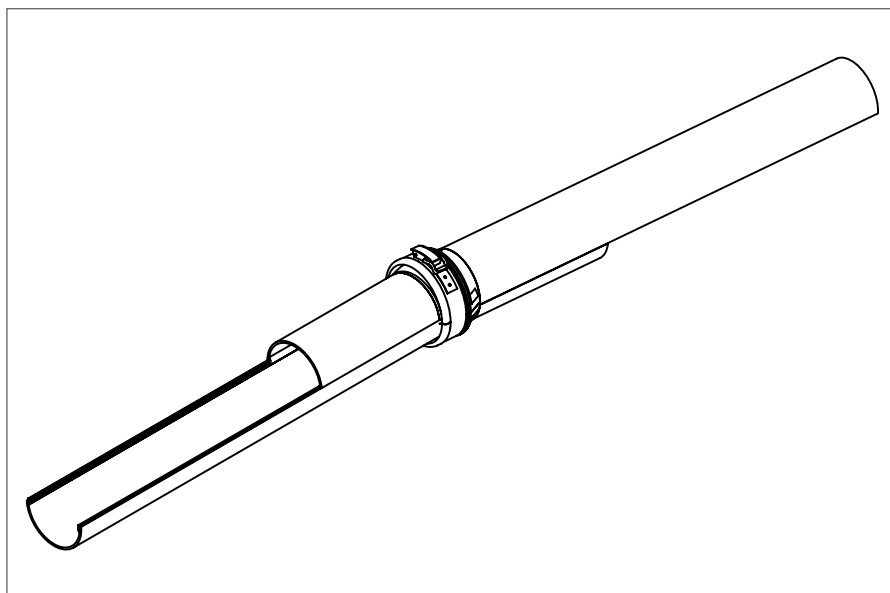
Features and benefits

- tensile and gas- and water tight up to 0.5 bar
- made from PVC-U
- assembly device KKHRG required for correct sealing

Type	Ø (D)	Radius (R)	Angle	Length (L)	Colour	Item no.
KKHRB_50_Type_I	50	1000	90 °	1379	Black (BK)	4765
KKHRB_50_Type_II	50	3100	45 °	2776	Black (BK)	4763
KKHRB_110	110	1000	45 °	723	Black (BK)	5068
	110	1000	90 °	1336	Black (BK)	5067
KKHRB_110_Type_I	110	2710	45 °	2181	Black (BK)	4757
KKHRB_110_Type_II	110	3340	45 °	2706	Black (BK)	4754
KKHRB_110_Type_III	110	4040	45 °	3252	Black (BK)	4750
KKHRB_110_Type_IV	110	4810	45 °	3893	Black (BK)	4741
KKHRB_110_Type_V	110	6070	45 °	5148	Black (BK)	4739
KKHRB_125_Type_I	125	2710	45 °	2181	Black (BK)	1196

All dimensions in mm. Subject to technical changes.

1.4.2 Divisible cable duct joint bends.



Cable duct joint bends KKGB-t

FLEXIBLE AND IMPERMEABLE TO FINE SAND AND SEEPAGE WATER.

The divisible cable duct joint bend KKGB-t is used in a variety of possible applications: for redirecting the duct route in case of obstacles or external plants like gas pipes or district heating pipelines; in case of height or lateral differences of duct routes; in case of changes in the duct route level due to slopes or subsidence when crossing the road; for skipping obstacles within a bend area; for branching off and refixing ducts into the duct route; in case of local tightness at distribution boxes, cable manholes or distribution stations; for connection ranges that do not align; generally in rough terrain. The flexible duct bends with socket and insertion end include the smallest possible bending radius limit.

Features and benefits

- use smallest possible bending radius limit
- impermeable to fine sand and seepage water
- assembly device KKHRG required for correct sealing

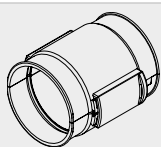
Type	Ø (D)	Wall (WT)	Angle	Colour	Item no.
KKGB-t_110/8°	110	3.20	8 °	Black (BK)	3968

All dimensions in mm. Subject to technical changes.

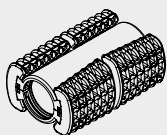
1.4.3 Split duct connectors.

Quick repair without any net-interruption.

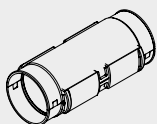
The split duct connectors are used for the gas- and water-tight connection of the split duct with the duct.



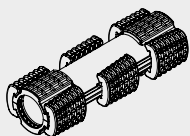
1.4.3.1 Split duct connectors.



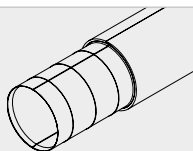
1.4.3.2 Divisible connectors.



1.4.3.3 Repair sleeves.

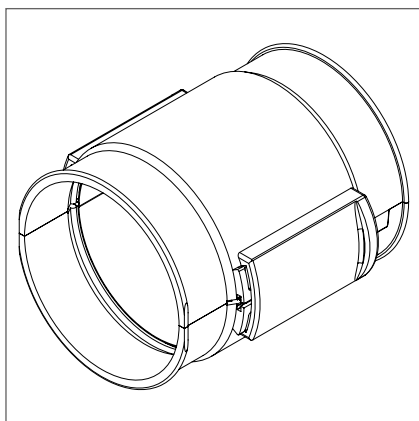


1.4.3.4 Repair sleeves.



1.4.3.5 Transition fittings.

1.4.3.1 Split duct connectors.



Connectors KKHRM



Connectors KKHRM connect split ducts gas- and water-tight.

CONNECT THE HALF-PIPE TO THE PIPE IN A GAS- AND WATER-TIGHT MANNER.

The split duct connectors KKHRM are used for the gas- and water-tight connection of the split duct with the duct.

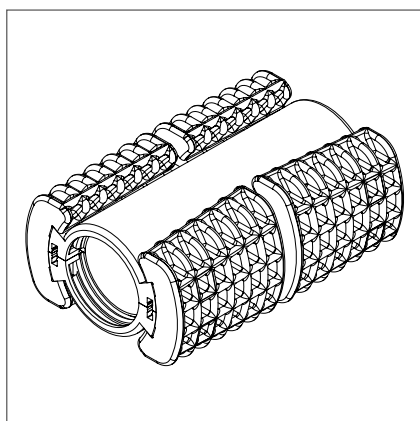
Features and benefits

- divisible
- gas and watertight up to 0.5 bar
- made from PVC-U

Type	Ø (D)	Length (L)	Colour	Item no.
KKHRM_110	110	180	Black (BK)	5891
KKHRM_125	125	180	Black (BK)	5695

All dimensions in mm. Subject to technical changes.

1.4.3.2 Divisible connectors.



Divisible connectors EBM



Divisible connectors EBM for the gas- and water-tight connection of split duct and duct.

CONNECT THE SPLIT-DUCT TO THE DUCT IN A GAS- AND WATER-TIGHT MANNER.

The divisible connector EBM is used for the gas- and water-tight connection of the split duct with the duct. The EBM is tensile, divisible and consist of PVC-U.

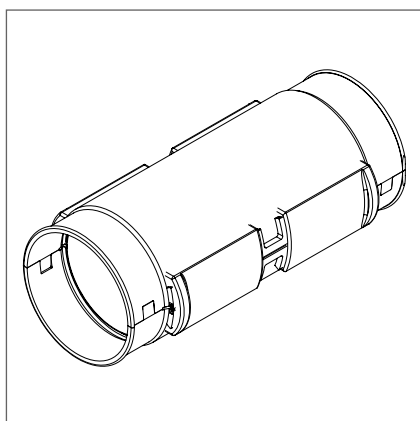
Features and benefits

- permanently gas and watertight up to 0.5 bar (10 bars/30 min)
- tensile
- made from PVC-U

Type	Ø (D)	Colour	Item no.
EBM_32	32	Black (BK)	10777
EBM_40	40	Black (BK)	10778
EBM_50	50	Black (BK)	10779

All dimensions in mm. Subject to technical changes.

1.4.3.3 Repair sleeves.



Repair sleeves RM



Split repair sleeve RM repairs damage to unoccupied pipes or pipes covered with cables.

REPAIR OF EMPTY DUCTS OR DUCTS OCCUPIED WITH CABLES.

The RM split repair sleeves are suitable for repairing minor damage up to approx. 150 mm to empty pipes or pipes covered with cables.

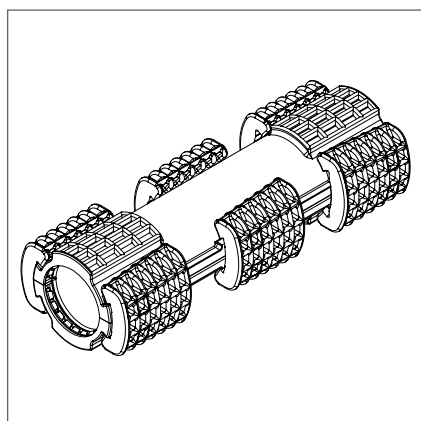
Features and benefits

- gas- and water-tight up to 0.5 bar
- made from PVC-U

Type	Ø (D)	Length (L)	Colour	Item no.
RM_110	110	300	Black (BK)	11188

All dimensions in mm. Subject to technical changes.

1.4.3.4 Repair sleeves.



Repair sleeves EBM-R



Repair sleeve EBM-R for repairing occupied and unoccupied cable conduits.

REPAIR OF EMPTY DUCTS OR DUCTS OCCUPIED WITH CABLES.

The divisible repair connectors EBM-R are suitable for the repair of small damages up to approx. 170 mm on empty ducts or on ducts occupied with cables. They are tensile and gas- and water-tight up to 0.5 bar.

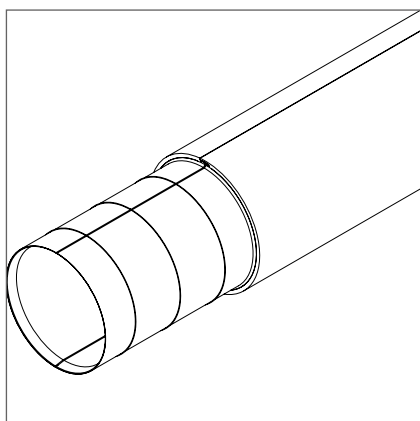
Features and benefits

- tensile
- permanently gas and watertight up to 0.5 bar
- made from PVC-U

Type	Ø (D)	Length (L)	Colour	Item no.
EBM-R_32	32	260	Black (BK)	42233
EBM-R_40	40	260	Black (BK)	10316
EBM-R_50	50	260	Black (BK)	997

All dimensions in mm. Subject to technical changes.

1.4.3.5 Transition fittings.



Split transition fittings UEFT-t



Split transition fittings UEFT-t 110 are suitable for cable duct shaped blocks that are already occupied.

IMPERMEABLE TO FINE SAND AND SEEPAGE WATER.

The split transition fitting UEFT-t made of PVC-U was developed for cable duct blocks that are already covered with cables.

Features and benefits

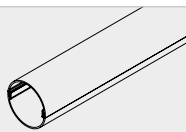
- impermeable to fine sand and seepage water
- made from PVC-U
- assembly device KKHRG required for correct sealing

Type	Ø (D)	Length (L)	Colour	Item no.
UEFT-t_110	110	1650	Black (BK)	8255

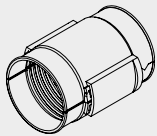
All dimensions in mm. Subject to technical changes.

1.4.4 Protective half-shells. Above ground installation.

The protective half-shells protect the communications and power cables at the aboveground installation. Furthermore they fulfill all requirements for repair half shells of fine sand-tight protective pipes for cables.

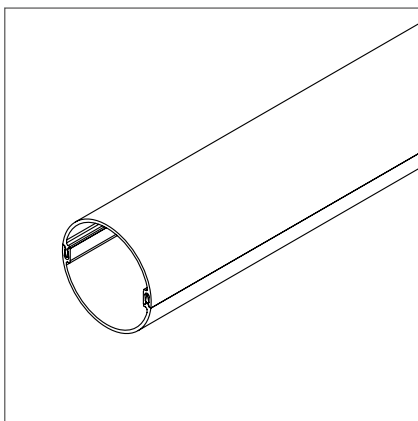


1.4.4.1 Protective half-shells.



1.4.4.2 Half-shell sleeves.

1.4.4.1 Protective half-shells.



Protective half-shells HS



Protective half-shells HS protect cables during above-ground installation.

PROTECT THE COMMUNICATIONS AND POWER CABLES AT THE ABOVE GROUND INSTALLATION.

The protective half-shells HS protect the communications and power cables at the above ground installation. Furthermore they fulfill all requirements of fine sand-tight protective pipes for cables for repair half shells. They consist of two half shells with continuous snap lock and are made from UV-resistant PVC-U. Due to their white color, they expand only to a minimum under solar exposure. The simple handling allows quick assembly and reusability.

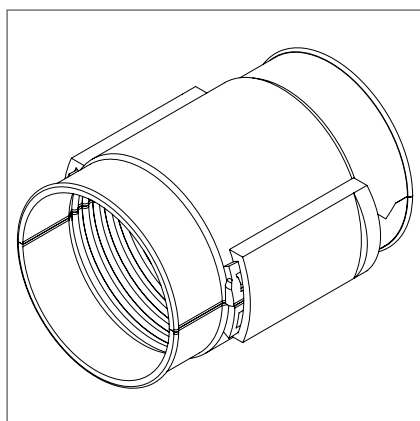
Features and benefits

- made of UV-resistant PVC-U
- easy assembly and reusability
- assembly device KKHRG required for correct sealing

Type	Ø (D)	Wall (WT)	Length (L)	Colour	Item no.
HS_110	110	3.20	3000	White (WH)	4222
	110	3.20	6000	White (WH)	7757

All dimensions in mm. Subject to technical changes.

1.4.4.2 Half-shell sleeves.



Half-shell sleeve for protective pipes
HSM



Half-shell sleeves for protective pipes HSM make connections fine sand-tight.

CONNECTING PROTECTIVE HALF-SHELLS.

Half-shell sleeves for protective pipes are used with two connecting clamps and are made from PVC-U. The UV-resistant, white moulded part is fine sand-tight and reusable.

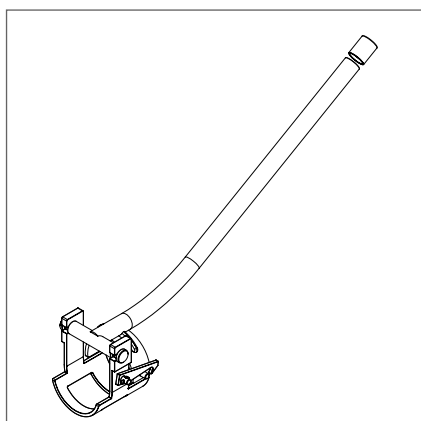
Features and benefits

- made from UV-resistant PVC-U
- reusable and fine sand-tight

Type	Ø (D)	Length (L)	Colour	Item no.
HSM_110	110	180	White (WH)	7749

All dimensions in mm. Subject to technical changes.

1.4.5 Assembly device.



Assembly device KKHRG



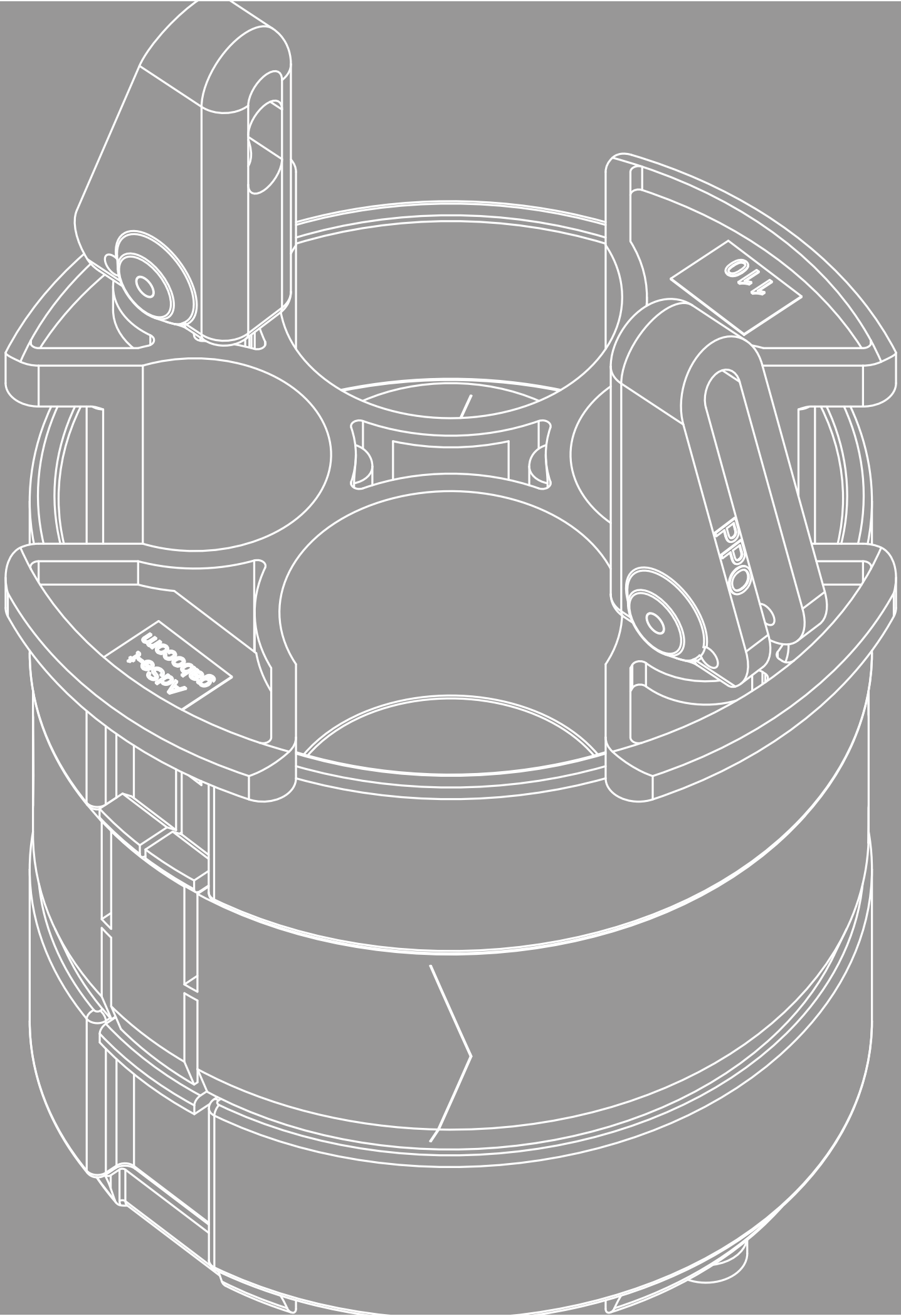
Assembly device KKHRG are needed for professional assembly.

ASSEMBLY OF SPLIT DUCT SYSTEMS.

The divisible split duct assembly devices KKHRG are required for the professional assembly of gabocom split duct systems.

Type	Ø (D)	Colour	Item no.
KKHRG_32	32	Silver (SR)	5022
KKHRG_40	40	Silver (SR)	4179
KKHRG_50	50	Silver (SR)	7624
KKHRG_110	110	Silver (SR)	1930
KKHRG_125	125	Silver (SR)	9747

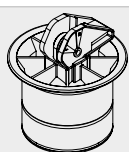
All dimensions in mm. Subject to technical changes.



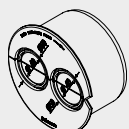
1.5 Accessories for Telecommunications duct systems.

Everything for quick assembly.

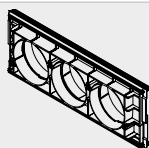
The gabocom product range has grown with the special requirements of telecommunications, cable television and energy supply. Over the years, we developed a wide range of gas-, water- and dirt-tight accessories of the highest quality.



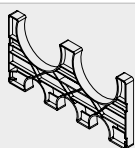
1.5.1 Sealing-and fixing-elements



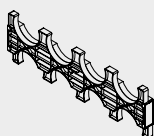
1.5.2 Connectors.



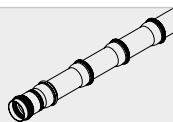
1.5.3 Ducting terminal panels.



1.5.4 Spacers.



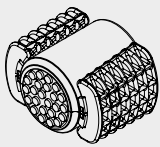
1.5.5 Spacers for bridge construction.



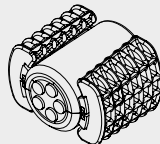
1.5.6 Cable duct joint bends.

1.5.1 Sealing- and fixing-elements. Divisible and easy to install.

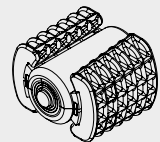
Sand-, gas-, and water-tight sealing of existing and new duct systems depending on the application - gabocom offers the optimum solution.



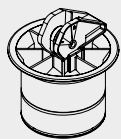
1.5.1.1 Divisible seals for SRV-G tc.



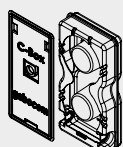
1.5.1.2 Divisible seals for in-duct use, SRV and SRV-G.



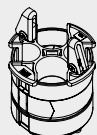
1.5.1.3 Divisible seals.



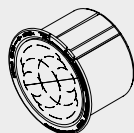
1.5.1.4 Sealing plugs.



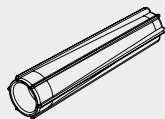
1.5.1.5 Sealing caps.



1.5.1.6 Divisible sealing and fixing discs.

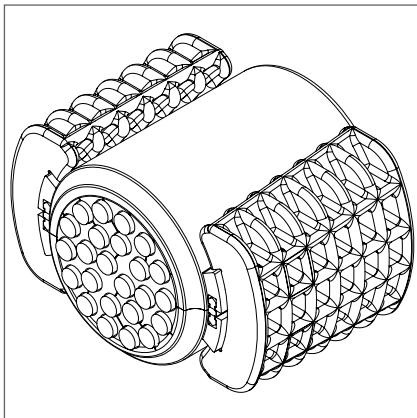


1.5.1.7 Protective duct seals.



1.5.1.8 Cable end-caps.

1.5.1.1 Divisible seals for SRV-G tc.



Divisible seals EZA-t 24x7



speedpipe bundles ground SRV-G tc with EZA-t for sealing.

SEALING SPEEDPIPE BUNDLES GROUND.

Sealing speedpipe bundles under ground with divisible seals, adjusted to all SRV-G tc: due to the variable gaskets bundles remain clean, dry and operational over decades. The divisible elements fix speedpipe subduct solutions against temperature-affected length modifications.

Features and benefits

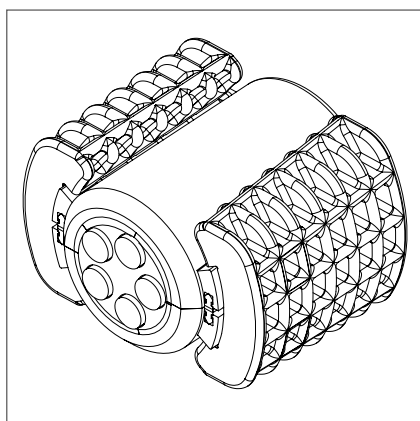
- divisible
- reusable
- gas- and water-tight up to 0.5 bar



Type	Applications	Colour	Item no.
EZA-t_3x12	3 speedpipe Ø 12	Black (BK)	1237
EZA-t_3x14	3 speedpipe Ø 14	Black (BK)	1273
EZA-t_3x16	3 speedpipe Ø 16	Black (BK)	1905
EZA-t_3x20	3 speedpipe Ø 20	Black (BK)	1906
EZA-t_4x14	4 speedpipe Ø 14	Black (BK)	1857
EZA-t_4x16	4 speedpipe Ø 16	Black (BK)	1278
EZA-t_4x20	4 speedpipe Ø 20	Black (BK)	1282
EZA-t_5x14	5 speedpipe Ø 14	Black (BK)	1277
EZA-t-7x7	7 speedpipe Ø 7	Black (BK)	1236
EZA-t_7x10	7 speedpipe Ø 10	Black (BK)	1268
EZA-t_7x12	7 speedpipe Ø 12	Black (BK)	1591
EZA-t_7x14	7 speedpipe Ø 14	Black (BK)	1280
EZA-t_7x16	7 speedpipe Ø 16	Black (BK)	1281
EZA-t_8x7+1x12	8 speedpipe Ø 7 1 speedpipe Ø 12	Black (BK)	1589
EZA-t-12x7	12 speedpipe Ø 7	Black (BK)	1904
EZA-t_12x7+1x14	12 speedpipe Ø 7 1 speedpipe Ø 14	Black (BK)	2514
EZA-t_12x7+3x14	12 speedpipe Ø 7 3 speedpipe Ø 14	Black (BK)	2801
EZA-t_12x10	12 speedpipe Ø 10	Black (BK)	1276
EZA-t_12x12	12 speedpipe Ø 12	Black (BK)	2429
EZA-t_13x7+5x14	13 speedpipe Ø 7 5 speedpipe Ø 14	Black (BK)	4056
EZA-t_14x7	14 speedpipe Ø 7	Black (BK)	1267
EZA-t_18x7	18 speedpipe Ø 7	Black (BK)	1274
EZA-t_22x7+1x12	22 speedpipe Ø 7 1 speedpipe Ø 12	Black (BK)	1590
EZA-t_24x7	24 speedpipe Ø 7	Black (BK)	1275
EZA-t_24x7+1x14	24 speedpipe Ø 7 1 speedpipe Ø 14	Black (BK)	1279

All dimensions in mm. Subject to technical changes.

1.5.1.2 Divisible seals for in-duct use, SRV and SRV-G.



Divisible seals EZA-t 40 5x10



Divisible seals EZA-t seal ducts and speedpipe bundles.

SEALING SPEEDPIPE BUNDLES GROUND.

Sealing speedpipe bundles under ground with divisible seals, adjusted to all occupancy variants of PE-HD ducts: due to the variable gaskets bundles as well as protective ducts - either empty or occupied with speedpipe / cables - remain clean, dry and operational over decades. The divisible elements fix speedpipe subduct solutions against temperature-affected length modifications.

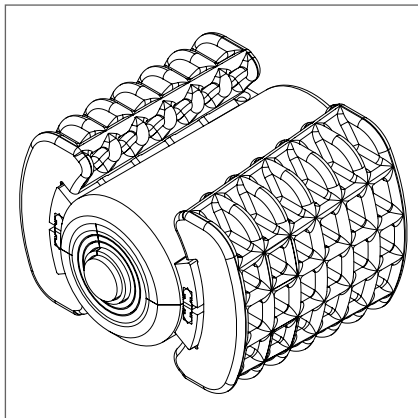
Features and benefits

- divisible
- reusable
- gas- and water-tight up to 0.5 bar

Type	Ø (D)	Applications	Cable Ø min	Cable Ø max	Colour	Item no.
EZA-t_32/K+2x10	32	0 - 2 speedpipe Ø 10	8	13.5	Black (BK)	3551
EZA-t_32/3x10	32	0 - 3 speedpipe Ø 10	-	-	Black (BK)	506
EZA-t_32/3x12	32	0 - 3 speedpipe Ø 12	-	-	Black (BK)	4078
EZA-t_32/4x10	32	0 - 4 speedpipe Ø 10	-	-	Black (BK)	4099
EZA-t_32/7x7	32	0 - 7 speedpipe Ø 7	-	-	Black (BK)	2355
EZA-t_40/K+2x7	40	0 - 2 speedpipe Ø 7	18.5	27.5	Black (BK)	1378
EZA-t_40/K+3x10	40	0 - 3 speedpipe Ø 10	8	18.5	Black (BK)	947
EZA-t_40/3x14	40	0 - 3 speedpipe Ø 14	-	-	Black (BK)	4101
EZA-t_40/3x16	40	0 - 3 speedpipe Ø 16	-	-	Black (BK)	42328
EZA-t_40/4x12	40	0 - 4 speedpipe Ø 12	-	-	Black (BK)	4083
EZA-t_40/K+5x7	40	0 - 5 speedpipe Ø 7	8	18.5	Black (BK)	42527
EZA-t_40/5x10	40	0 - 5 speedpipe Ø 10	-	-	Black (BK)	507
EZA-t_40/5x12	40	0 - 5 speedpipe Ø 12	-	-	Black (BK)	1640
EZA-t_40/7x10	40	0 - 7 speedpipe Ø 10	-	-	Black (BK)	4097
EZA-t_40/8x7+12-14	40	0 - 8 speedpipe Ø 7 0 - 1 speedpipe Ø 12 / 14	-	-	Black (BK)	42329
EZA-t_40/10x7	40	0 - 10 speedpipe Ø 7	-	-	Black (BK)	526
EZA-t_40/14x7	40	0 - 14 speedpipe Ø 7	-	-	Black (BK)	4821
EZA-t_50/K+2x7	50	0 - 2 speedpipe Ø 7	18.5	27.5	Black (BK)	1379
EZA-t_50/K+3x10	50	0 - 3 speedpipe Ø 10	16	25.5	Black (BK)	3550
EZA-t_50/3x20	50	0 - 3 speedpipe Ø 20	-	-	Black (BK)	1407
EZA-t_50/4x16	50	0 - 4 speedpipe Ø 16	-	-	Black (BK)	42330
EZA-t_50/K+5x10	50	0 - 5 speedpipe Ø 10	8	18.5	Black (BK)	3545
EZA-t_50/K+5x12	50	0 - 5 speedpipe Ø 12	8	18.5	Black (BK)	3553
EZA-t_50/5x14	50	0 - 5 speedpipe Ø 14	-	-	Black (BK)	1101
EZA-t_50/K+7x7	50	0 - 7 speedpipe Ø 7	8	18.5	Black (BK)	42125
EZA-t_50/16x7+3x12	50	0 - 7 speedpipe Ø 7 0 - 3 speedpipe Ø 12	-	-	Black (BK)	2195
EZA-t_50/7x12	50	0 - 7 speedpipe Ø 12	-	-	Black (BK)	4090
EZA-t_50/8x10	50	0 - 8 speedpipe Ø 10	-	-	Black (BK)	5698
EZA-t_50/9x12	50	0 - 9 speedpipe Ø 12	-	-	Black (BK)	5091
EZA-t_50/10x7+12-14	50	0 - 10 speedpipe Ø 7 0 - 1 speedpipe Ø 12 / 14	-	-	Black (BK)	3552
EZA-t_50/12x10	50	0 - 12 speedpipe Ø 10	-	-	Black (BK)	5085
EZA-t_50/14x7	50	0 - 14 speedpipe Ø 7	-	-	Black (BK)	497
EZA-t_50/18x7	50	0 - 18 speedpipe Ø 7	-	-	Black (BK)	42200
EZA-t_50/22x7+1x12	50	0 - 22 speedpipe Ø 7 0 - 1 speedpipe Ø 12	-	-	Black (BK)	42331
EZA-t_50/24x7	50	0 - 24 speedpipe Ø 7	-	-	Black (BK)	5080
EZA-t_63/4x20	63	0 - 4 speedpipe Ø 20	-	-	Black (BK)	1408
EZA-t_63/7x12	63	0 - 7 speedpipe Ø 12	-	-	Black (BK)	1965
EZA-t_63/7x14	63	0 - 7 speedpipe Ø 14	-	-	Black (BK)	1072
EZA-t_63/7x16	63	0 - 7 speedpipe Ø 16	-	-	Black (BK)	1199
EZA-t_63/24x7+14-16	63	0 - 24 speedpipe Ø 7 0 - 1 speedpipe Ø 14 / 16	-	-	Black (BK)	1071

All dimensions in mm. Subject to technical changes.

1.5.1.3 Divisible seals.



Divisible seals EZA-t 32 K



Divisible seals EZA-t K seal ducts occupied with cables.

FOR PIPES OCCUPIED WITH CABLES.

The divisible sealing elements EZA-t allow gas- and water-tight sealing of empty ducts and ducts occupied with cables up to 0.5 bar. They are also applicable for fixing against elongations due to temperature changes. The high-quality fittings are reusable and can easily and quickly be installed.

Features and benefits

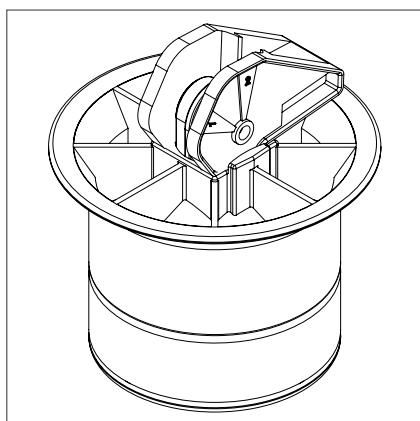
- divisible, reusable and up to 0.5 bar gas- and watertight
- stabilisation against temperature-induced changes in length



Type	Ø (D)	Applications	Cable Ø min	Cable Ø max	Colour	Item no.
EZA-t_32/K	32	1 cable (10.5 - 21.5)	10.5	21.5	Black (BK)	271
EZA-t_40/2K	40	1 cable (10.5 - 16) and 1 cable (10.5 - 18.5)	-	-	Black (BK)	527
EZA-t_40/K	40	1 cable (10.5 - 25.5)	10.5	25.5	Black (BK)	272
EZA-t_50/2K	50	1 cable (10.5 - 16) or 1 cable (10.5 - 25.5); when using 2 cables: sum of the two cable diameters ≤ 30	-	-	Black (BK)	274
EZA-t_50/K	50	1 cable (21.5 - 34)	21.5	34	Black (BK)	4344
EZA-t_50/3K	50	2 cable (10.5 - 16) and 1 cable (10.5 - 18.5)	-	-	Black (BK)	277
EZA-t_63/2K	63	1 cable (10.5 - 16) or 1 cable (10.5 - 25.5); when using 2 cables: sum of the two cable diameters ≤ 30	-	-	Black (BK)	1797
EZA-t_63/K	63	1 cable (21.5 - 34)	21.5	34	Black (BK)	1846
EZA-t_63/3K	63	2 cable (10.5 - 16) and 1 cable (10.5 - 18.5)	-	-	Black (BK)	1817

All dimensions in mm. Subject to technical changes.

1.5.1.4 Sealing plugs.



Sealing plugs AdS



Sealing plugs AdS seal insertion ends and sleeves.

CLOSE PLUG-IN TIPS AND SLEEVES.

AdS sealing plugs seal off plug-in tips and sleeves, preventing the ingress of gas and water at pressures of up to 0.5 bar. As soon as the handle is closed, seal integrity is assured, and the correct installation position is obvious at a glance.

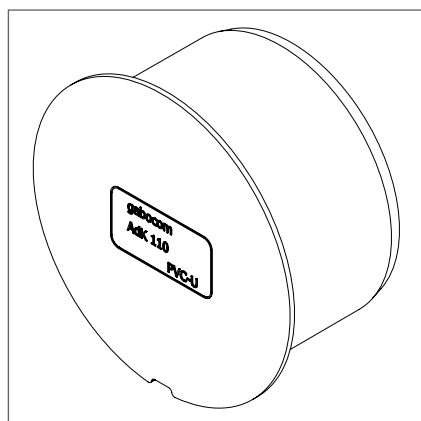
Features and benefits

- gas- and water-tight up to 0.5 bar
- reusable

Type	Ø (D)	Applications	Colour	Item no.
AdS_50	50	sealing range 39.5 - 50.5	Black (BK)	5997
AdS_110	110	sealing range 97.5 - 111	Black (BK)	6135
AdS_125	125	sealing range 118 - 126	Black (BK)	6144

All dimensions in mm. Subject to technical changes.

1.5.1.5 Sealing caps.



Sealing caps AdK



AdK 110

SEAL UNASSIGNED DUCTING TERMINAL PANELS.

AdK sealing caps made of PVC-U are used to seal unassigned cable duct terminal panels and openings. They can also be used to close sleeve ends on PVC-U tubes.

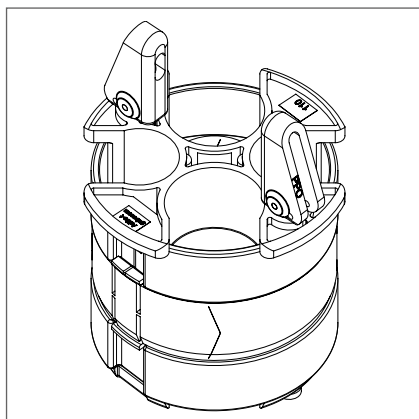
Features and benefits

- made of PVC-U
- protects against sand
- reusable

Type	Ø (D)	Colour	Item no.
AdK_50	50	Black (BK)	3867
AdK_110	110	Black (BK)	3398

All dimensions in mm. Subject to technical changes.

1.5.1.6 Divisible sealing and fixing discs.



Divisible sealing and fixing discs
AdSe-t



Divisible sealing and fixing discs AdSe-t seal the cavity between the cable duct pipe or half-pipe run and the multiple pipe.

SEALING CAVITY.

With the divisible AdSe-t sealing and retaining discs, the remaining cavity between cable duct tube or pipe section and multiple tube is sealed and secured at the same time. The shaped parts are gas and watertight to 0.5 bar and are also suitable for retrospective installation on multiple tubes containing pulled-through cables. Available for the combination of PE duct and steel pipe, PP duct and cable duct blocks (KKF), PVC duct and split duct (KKHR) as well as PVC duct only.

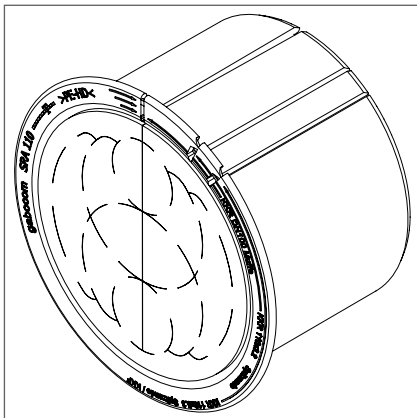
Features and benefits

- gas- and water-tight up to 0.5 bar
- reusable
- compatible with multiple ducts 2x32 and 2x40

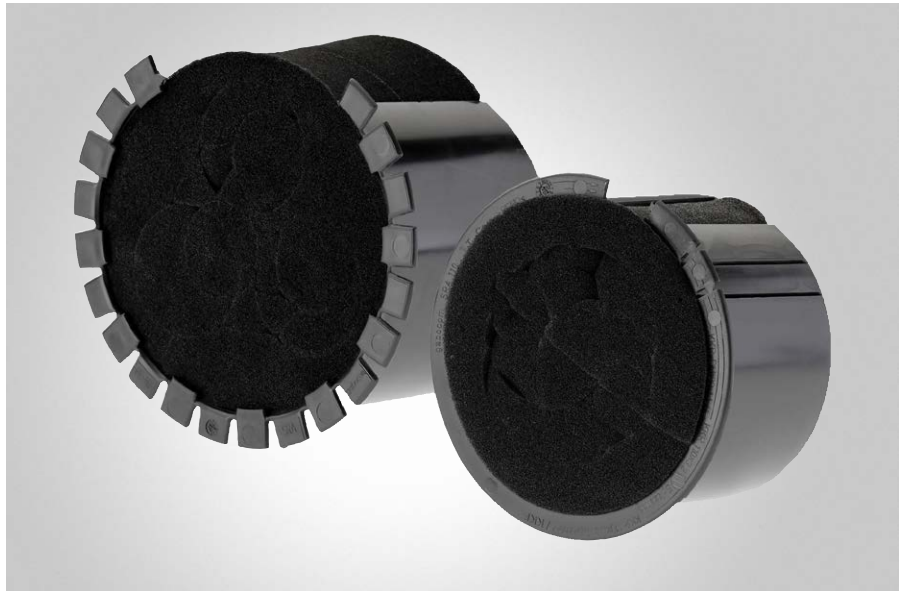
Type	Ø (D)	Applications	Colour	Item no.
AdSe-t_110x4.3	110	PE pipe 110 x 4.3 / steel pipe 108 x 3.6	White (WH)	292
AdSe-t_110x3.4	110	PP pipe 110 x 3.4 / KKF 110	Green (GN)	309
AdSe-t_110x3.2	110	PVC pipe 110 x 3.2 / KKHR 110 x 3.2	Black (BK)	1264
AdSe-t_125x3.7	125	PVC pipe 125 x 3.7	Black (BK)	3354

All dimensions in mm. Subject to technical changes.

1.5.1.7 Protective duct seals.



Protective duct seals SRA



Protective duct seals SRA are used to protect against sand.

TO PROTECT DUCTS AGAINST SAND.

SRA protective duct seals are used at intersections and on unassigned (i.e. empty) protective cable tubes to protect them against sand. Due to pre-stamped sealing bodies, tubes containing cables are protected against the ingress of fine sand. These high-quality shaped parts fit inside cable duct tube sleeves and plug-in tips. They are quick and easy to install and eliminate the need for unsafe makeshift solutions. No tools are required for removal and subsequent reuse.

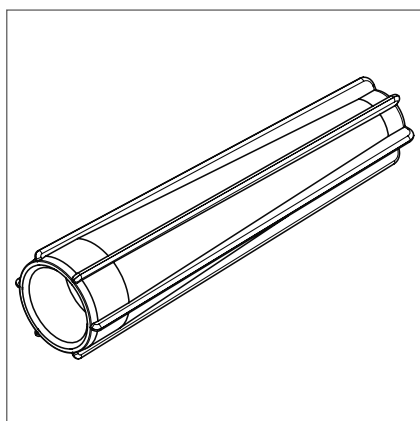
Features and benefits

- protect against sand
- no tools required
- reusable

Type	Ø (D)	Applications	Length (L)	Colour	Item no.
SRA_50	50	inner duct Ø 40-50	60	Black (BK)	4271
SRA_90	90	inner duct Ø 88-100	113	Black (BK)	1607
SRA_110	110	inner duct Ø 99-110	80	Black (BK)	2998
SRA_125	125	inner duct Ø 110-120	113	Black (BK)	3357
SRA_140	140	inner duct Ø 125-134.5	113	Black (BK)	7567

All dimensions in mm. Subject to technical changes.

1.5.1.8 Cable end-caps.



Cable end-caps KEK



Cable end-caps KEK seal cable ends gas- and watertight.

SEAL THE ENDS OF CABLES GAS- AND WATERTIGHT.

KEK cable end caps (ferrules) are the low-cost alternative to expensive shrink-fit sleeves and serve to seal the ends of cables in a gas- and water-tight manner. For these reasons, they are used in manufacturing, transport, warehousing and construction site environments. These reusable parts are easy to install, save power and time, and do not require any gas burners.

Features and benefits

- reusable
- easy assembly
- made from PVC-U

Type	Cable Ø min	Cable Ø max	Colour	Item no.
KEK_8-17	8	17	Black (BK)	1865
KEK_15-24.5	15	24.5	Black (BK)	1866

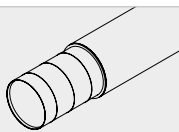
All dimensions in mm. Subject to technical changes.



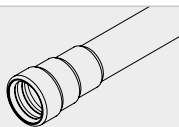
1.5.2 Connectors.

Safe transitions from duct to duct.

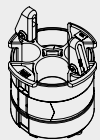
gabocom offers sand-, gas- and water-tight transition and connection possibilities. They are suitable for empty as well as for occupied duct networks.



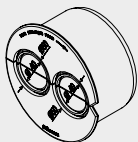
1.5.2.1 Transition fittings.



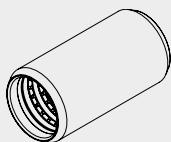
1.5.2.2 Transition duct socket.



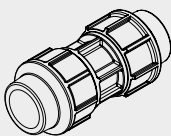
1.5.2.3 Divisible sealing and fixing discs.



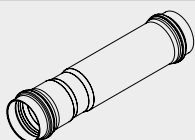
1.5.2.4 Duct adaptor.



1.5.2.5 Connector.

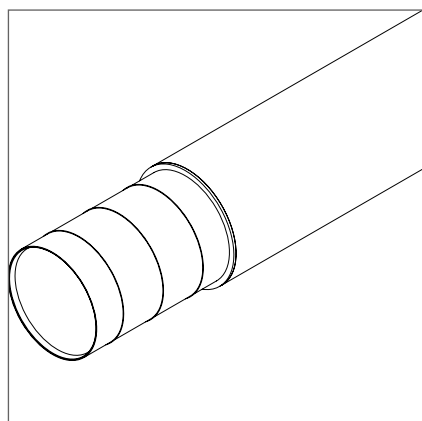


1.5.2.6 Double clamp fittings.

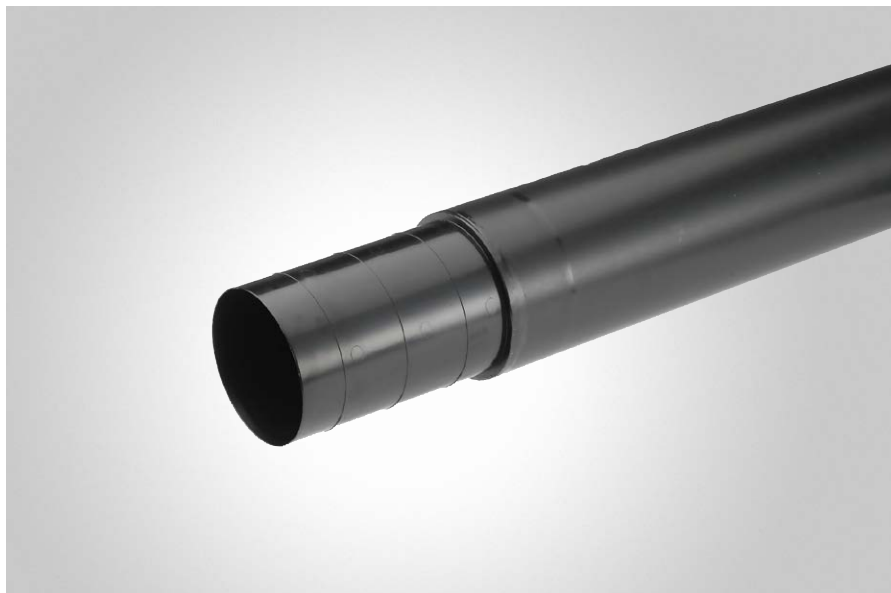


1.5.2.7 Couplers.

1.5.2.1 Transition fittings.



Transition fittings UEFT



Transition fittings UEFT connect ducts with duct fittings.

IMPERMEABLE TO FINE SAND AND SEEPAGE WATER.

The transition fitting ÜFT connects cable ducts with cable duct block and is manufactured out of PVC-U.

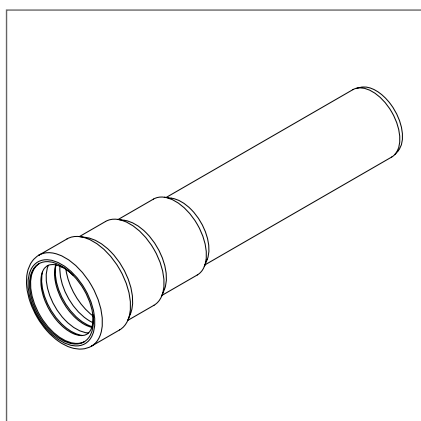
Features and benefits

- made from PVC-U
- impermeable to fine sand and seepage water

Type	Ø (D)	Length (L)	Colour	Item no.
UEFT_110	110	1650	Black (BK)	8254

All dimensions in mm. Subject to technical changes.

1.5.2.2 Transition duct socket.



Transition duct socket UMPE



Cable duct transition sleeve UMPE connects culvert pipes with cable duct pipes.

CONNECT CABLE DUCT PIPES.

The UMPE cable duct adapter sleeve is used to connect PE-HD crossing pipes to cable duct tubes. This accessory is made of durable PVC-U.

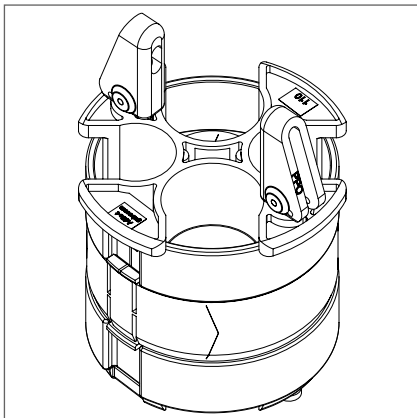
Features and benefits

- made from PVC-U
- up to 0.5 bar gas- and watertight

Type	Ø (D)	Ø (D2)	Length (L)	Colour	Item no.
UMPE_125	125	110	690	Black (BK)	4336

All dimensions in mm. Subject to technical changes.

1.5.2.3 Divisible sealing and fixing discs.



Divisible sealing and fixing discs
AdSe-t



Divisible sealing and fixing discs AdSe-t seal the cavity between the cable duct pipe or half-pipe run and the multiple pipe.

SEALING CAVITY.

With the divisible AdSe-t sealing and retaining discs, the remaining cavity between cable duct tube or pipe section and multiple tube is sealed and secured at the same time. The shaped parts are gas and watertight to 0.5 bar and are also suitable for retrospective installation on multiple tubes containing pulled-through cables. Available for the combination of PE duct and steel pipe, PP duct and cable duct blocks (KKF), PVC duct and split duct (KKHR) as well as PVC duct only.

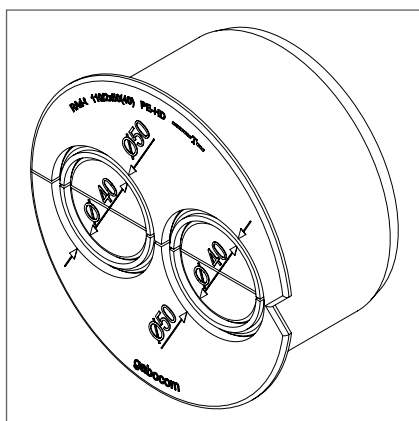
Features and benefits

- gas- and water-tight up to 0.5 bar
- reusable
- compatible with multiple ducts 2x32 and 2x40

Type	Ø (D)	Applications	Colour	Item no.
AdSe-t_110x4.3	110	PE pipe 110 x 4.3 / steel pipe 108 x 3.6	White (WH)	292
AdSe-t_110x3.4	110	PP pipe 110 x 3.4 / KKF 110	Green (GN)	309
AdSe-t_110x3.2	110	PVC pipe 110 x 3.2 / KKHR 110 x 3.2	Black (BK)	1264
AdSe-t_125x3.7	125	PVC pipe 125 x 3.7	Black (BK)	3354

All dimensions in mm. Subject to technical changes.

1.5.2.4 Duct adaptor.



Duct adaptor RAD-t



Duct adaptor RAD-t for use in sleeves.

SAFE TRANSITION FROM DUCT TO DUCT.

The divisible duct adaptor Rad-t made of PE-HD is installed in sleeves with a diameter of 110 mm. They are suitable for PE-HD ducts with a diameter of 40 or 50 mm.

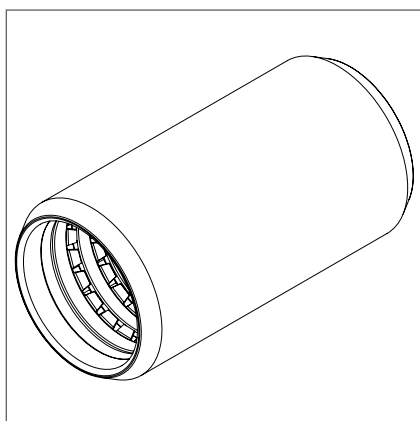
Features and benefits

- divisible
- made from PE-HD
- easy and fast assembly of the tubes due to predetermined breaking points

Type	Ø (D)	Length (L)	Colour	Item no.
RAAd-t_110/2x50(40)	110	65	Black (BK)	1474

All dimensions in mm. Subject to technical changes.

1.5.2.5 Connector.



Double connector DSM



Double connectors DSM for connecting PE pipes.

TENSILE JOINTING OF PE-HD PIPES DIMENSION 50.

The DSM connects PE-HD tubes of dimension 50. This accessory has tensile strength and is suitable for being pushed in firmly.

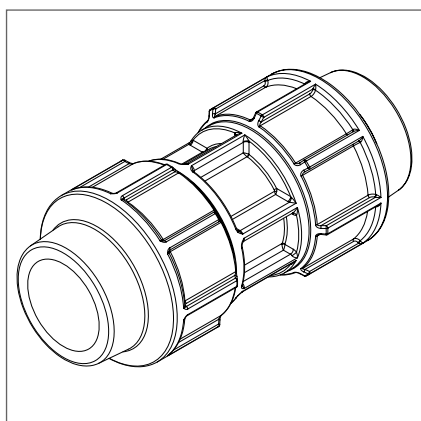
Features and benefits

- up to 0.5 bar gas- and watertight
- up to 15 bar pressure tight (tested 30 minutes)
- directly buriable
- tensile
- made from PVC-U

Type	Ø (D)	Colour	Item no.
DSM_50	50	White (WH)	12215

All dimensions in mm. Subject to technical changes.

1.5.2.6 Double clamp fittings.



Double clamp fittings DKF



Double clamp fittings DKF connect PE-HD ducts.

CONNECT PE-HD TUBES.

DKF double clamp fittings can be used to connect PE-HD tubes of dimension 50 together.

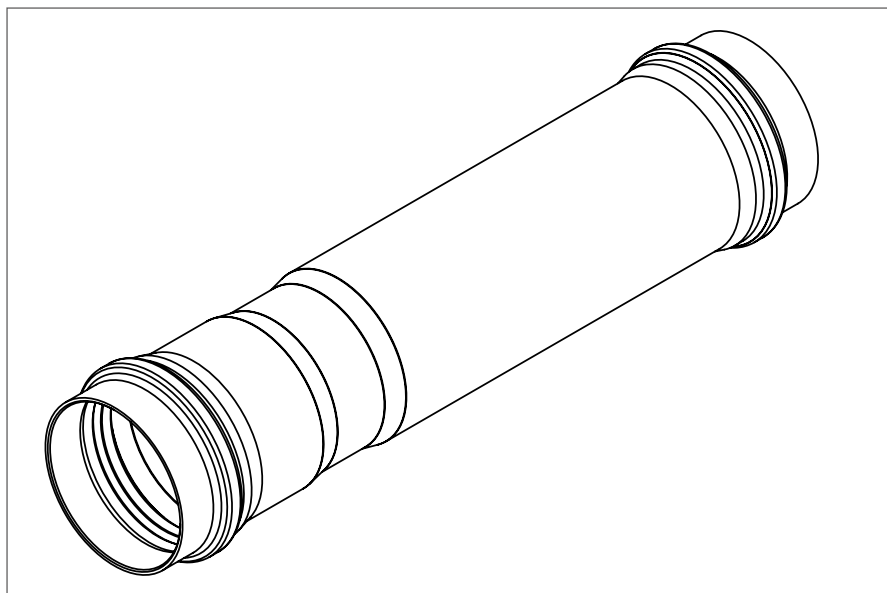
Features and benefits

- up to 0.5 bar gas- and watertight
- suitable for a blow-in pressure higher than 10 bar (tested up to 30 minutes)
- made from PP

Type	Ø (D)	Colour	Item no.
DKF_50	50	Light Blue (LTBU)	3789

All dimensions in mm. Subject to technical changes.

1.5.2.7 Couplers.



Coupler DS

CONNECT TWO PIPES Ø110 PRESSURE-TIGHT

The coupler DS and the coupler for expansion compensation DSD 110 connect two pipes Ø110 pressure-tight.

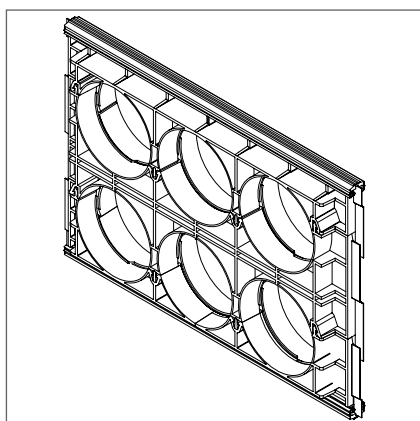
Features and benefits

- gas- and watertight up to 0.5 bar
- made from PVC-U

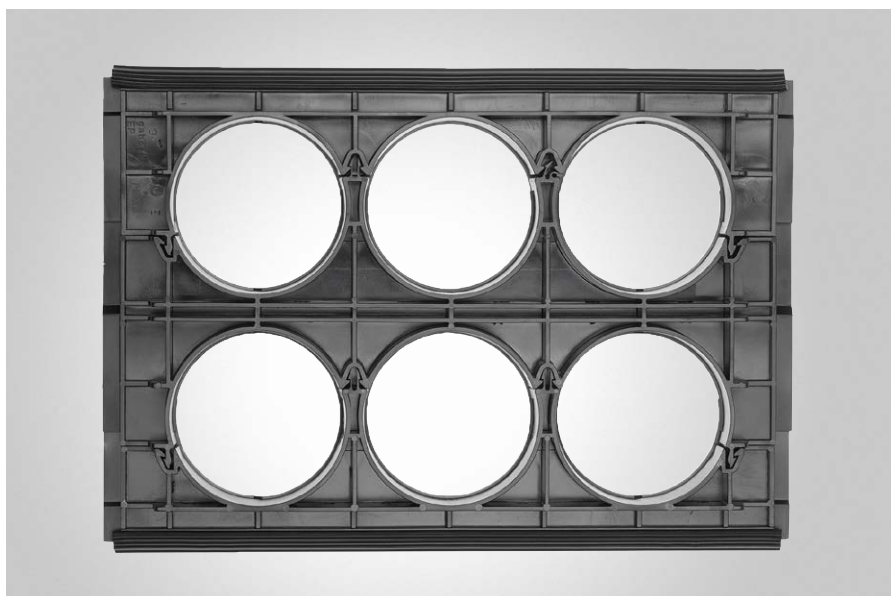
Type	Ø (D)	Length (L)	Colour	Item no.
DS_110	110	540	Black (BK)	6489
DSD_110	110	540	Black (BK)	8002

All dimensions in mm. Subject to technical changes.

1.5.3 Ducting terminal panels.



Ducting terminal panels EP



Ducting terminal panels EP insert pipes into junction boxes and small manholes.

INSERT PIPES INTO JUNCTION BOXES AND SMALL MANHOLES.

The ducting terminal panels EP have been developed for inserting ducts with a diameter of 110 mm into junction boxes and small manholes. They consist of PE-HD, are self-clamping at the duct and thus they are particularly easy to assemble. A subsequent installation is also possible.

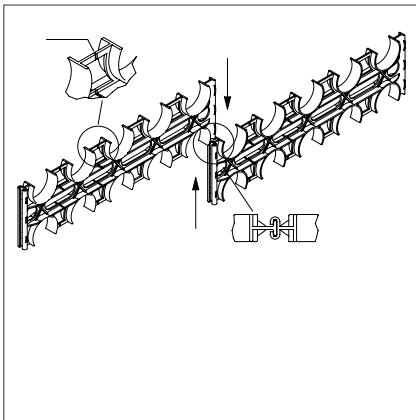
Features and benefits

- made from PE-HD
- self-clamping at the duct and thus easy to install

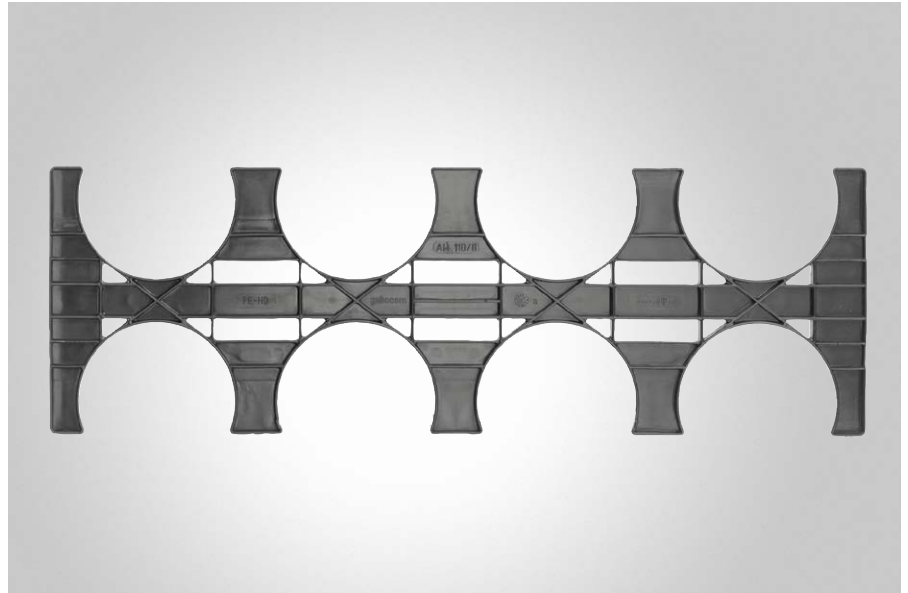
Type	Ø (D)	Applications	Compatibility	Colour	Item no.
EP_1x110	110	1x 110 duct	Azk 83	Black (BK)	1769
EP_3x110	110	3 x 110 ducts	Azk 86 / KS 88R1	Black (BK)	280
EP_6x110	110	6 x110 ducts	Azk 83 / Azk 86 / KS 88R1	Black (BK)	282

All dimensions in mm. Subject to technical changes.

1.5.4 Spacers.



Spacers AH 50/10



The AH spacers are used for underground installation.

FOR DIRECT BURYING.

The spacer AH is used for underground laying and is made of PE-HD. The spacer AH 50/10 is also used in underground installation but is made of durable PVC-U and can be divided and extended.

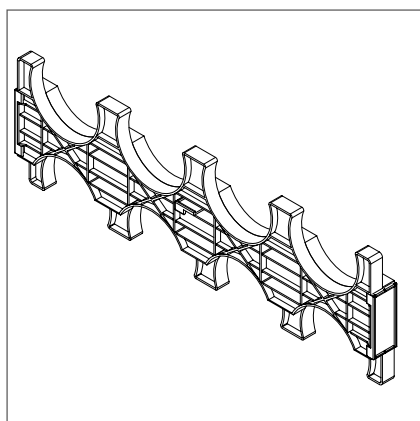
Features and benefits

- made from PE-HD / PVC-U

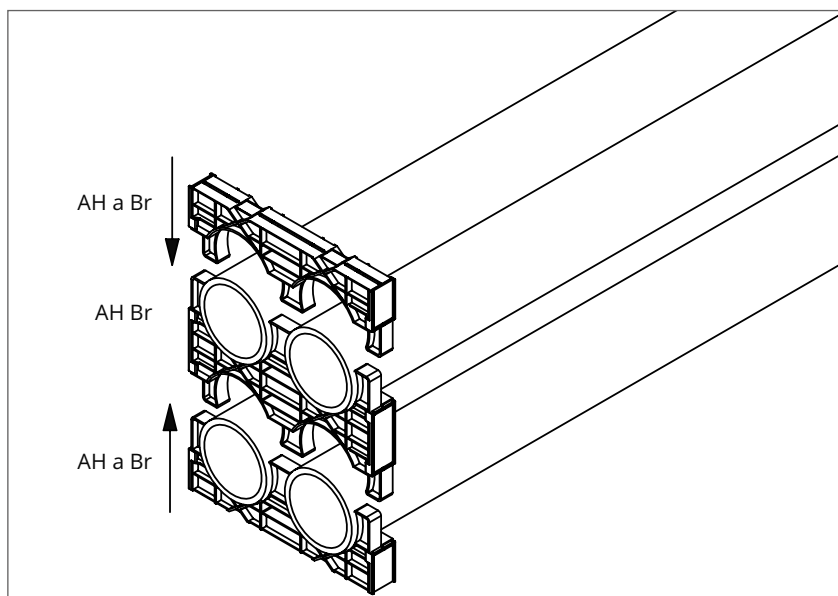
Type	Ø (D)	Length (L)	Colour	Item no.
AH_50/3+110/2	50	293	Black (BK)	208
AH_50/10	50	400	Black (BK)	7563
AH_110/4	110	293	Black (BK)	209
AH_110/6	110	433	Black (BK)	210
AH_110/8	110	573	Black (BK)	211

All dimensions in mm. Subject to technical changes.

1.5.5 Spacers for bridge construction.



Spacers for bridge construction AH Br



Spacers AH Br

FOR ABOVE GROUND LAYING.

Furthermore gabocom offers spacers in the dimensions 50 and 110 especially, for the construction of bridges. These are suitable for aboveground installation and consist of high-quality PE-HD.

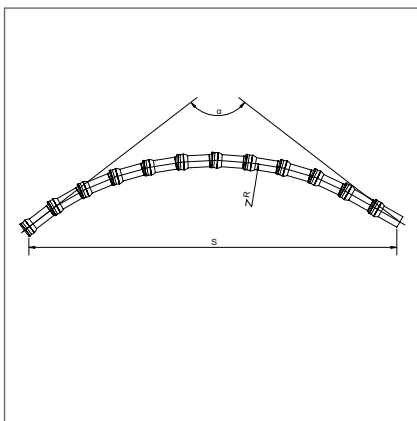
Features and benefits

- made of PE-HD

Type	Ø (D)	Ø (D2)	Applications	Length (L)	Colour	Item no.
AH_50/3+110/2_Br	50	110	-	303	Black (BK)	4601
AH_110/4a_Br	110	-	initial section	303	Black (BK)	4603
AH_110/6a_Br	110	-	initial section	443	Black (BK)	4605
AH_110/8a_Br	110	-	initial section	583	Black (BK)	4388
AH_110/4_Br	110	-	middle section	303	Black (BK)	4604
AH_110/6_Br	110	-	middle section	443	Black (BK)	4606
AH_110/8_Br	110	-	middle section	583	Black (BK)	4389

All dimensions in mm. Subject to technical changes.

1.5.6 Cable duct joint bends.



Cable duct joint bends KKGB



Cable duct joint bends KKGB offer the smallest possible bending radius limitation.

FLEXIBLE AND PRESSURE-TIGHT.

The cable duct joint bend KKGB is used in a variety of possible applications: for redirecting the duct route in case of obstacles or external plants like gas pipes or district heating pipelines; in case of height or lateral differences of duct routes; in case of changes in the duct route level due to slopes or subsidence when crossing the road; for skipping obstacles within a bend area; for branching off and refixing ducts into the duct route; in case of local tightness at distribution boxes, cable manholes or distribution stations; for connection ranges that do not align; generally in rough terrain. The flexible duct bends with socket and insertion end include the smallest possible bending radius limit.

Features and benefits

- include the smallest possible bending radius limit
- gas- and water-tight up to 0.5 bar

Type	Ø (D)	Radius (R)	Angle	Length (L)	Colour	Item no.
KKGB_50/1.0/90°	50	1000	90 °	1653	Black (BK)	540
KKGB_110/8°	110	-	8 °	460	Black (BK)	3992
KKGB_110/1.0/90°	110	1000	90 °	1930	Black (BK)	3328
KKGB_110/2.5/45°	110	2500	45 °	2023	Black (BK)	3228

All dimensions in mm. Subject to technical changes.

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