

HD

Sanierungstechnik



CATALOG

short liner technology

DN 25 - DN 1000

HD SANIERUNGSTECHNIK GMBH

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HD



There is only one proof of ability: **action!**

HD Sanierungstechnik is a young and enthusiastic team which develops and sells innovative technologies and rehabilitation methods for sewer rehabilitation without digging. We are constantly involved in development and maintenance of latest and most innovative rehabilitation methods.



Our products are tested under field conditions and have proven themselves for many years. This gives us the certainty to be able to offer you products of perfect quality. Our years of experience in daily practice inspire us constantly to optimize obsolete methods and perfected workflows.

Our objective is to enable users by practical training and the use of appropriate products, combined with our advanced equipment, a rehabilitation result of highest possible quality and durability.

Richard Heiberger, CEO



www.hd-sanierungstechnik.com



bendy packer

Our HD Bendy Packer are dimensionally stable and highly bendable and enable an innovative rehabilitation without cross section constriction in pipe bends.

Advantage:

- optimal extension (radial and axial blow performance)
- bowing perfect without bends
- ideal push behavior to assimilate with conventional ECR-glass fiber mat
- suitable for all pipe materials (KG/stoneware/SML)
- small packer diameter for efficient and economical working



Rohrsanierungspacker

- Mechanisch-physikalische Eigenschaften
- Berstdruckprüfung
- Wirkungsweise geprüft

www.tuev-sued.de/fik



DN 40 - 250



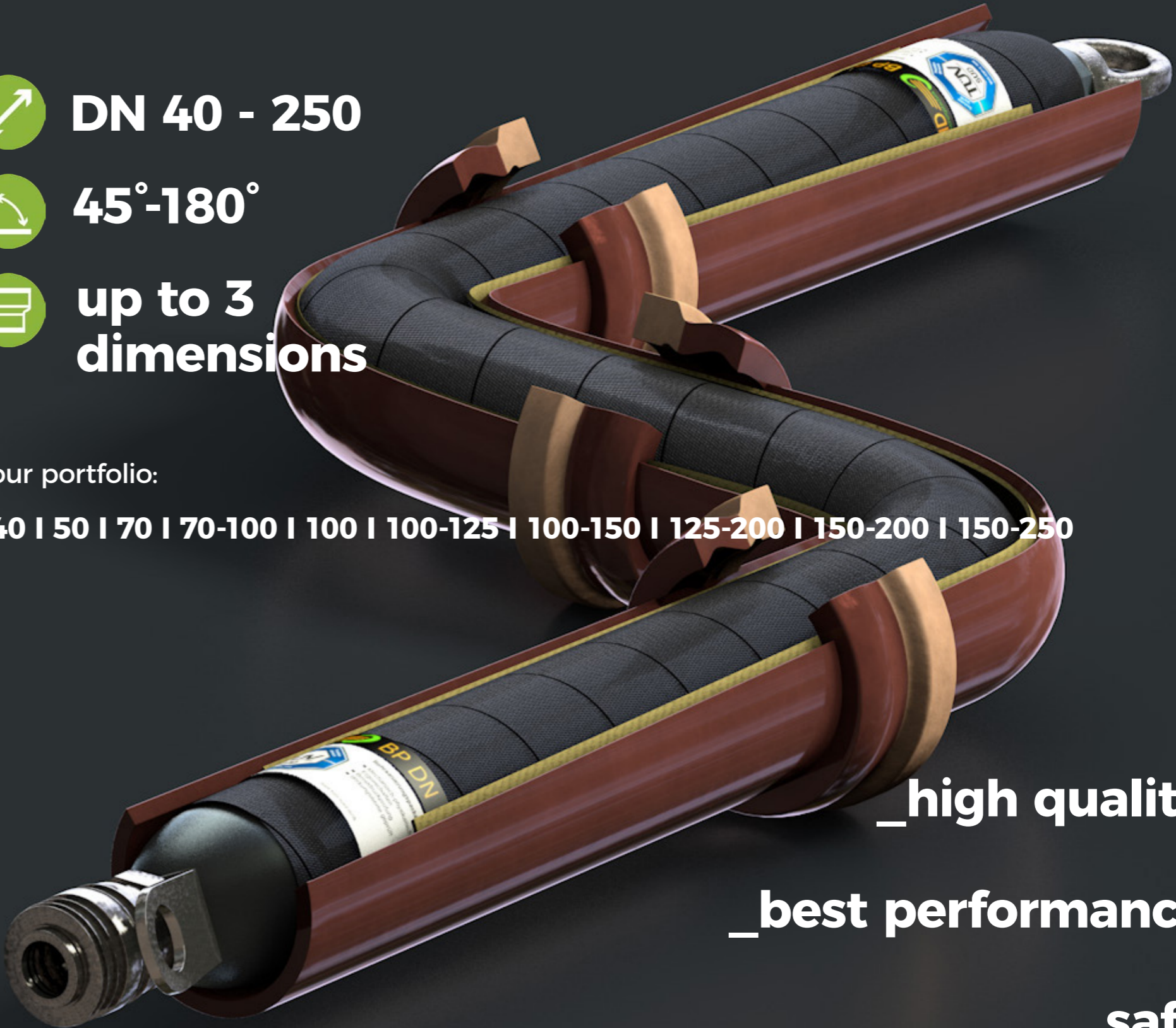
45°-180°



up to 3 dimensions

our portfolio:

40 | 50 | 70 | 70-100 | 100 | 100-125 | 100-150 | 125-200 | 150-200 | 150-250



_high quality

_best performance

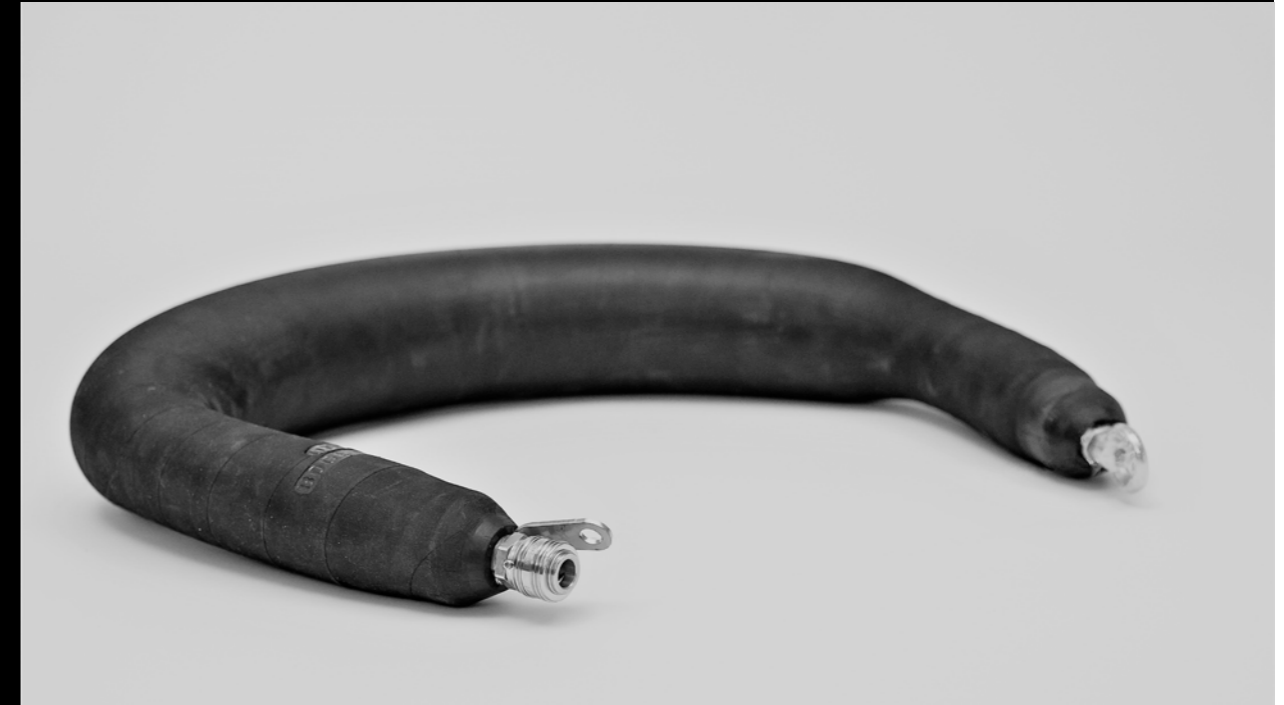
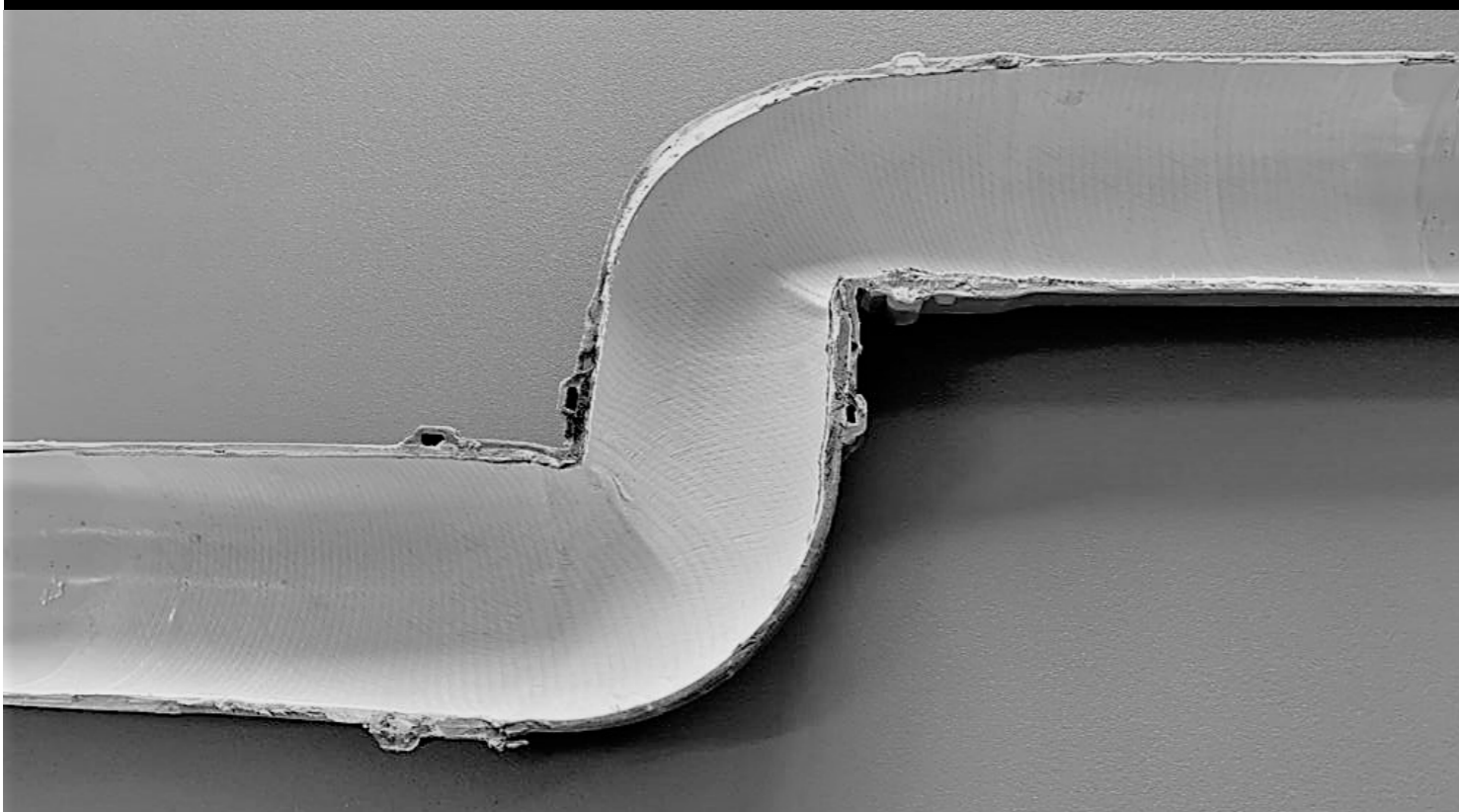
_safe

bendy packer

New

Model	description	dia- meter	patch size
BP 40	HD bendy packer NW 40 mm, length 35 cm	22 mm	20 cm
BP 50	HD bendy packer NW 50 mm, length 35 cm	30 mm	25 cm
BP 70	HD bendy packer NW 70 mm, length 55 cm	35 mm	40 cm
BP 70100	HD bendy packer NW 70-100 mm, length 80 cm	42 mm	60 cm
BP 100 short	HD bendy packer NW 100 mm, length 60 cm	50 mm	40 cm
BP 100	HD bendy packer NW 100 mm, length 100 cm	50 mm	85 cm
BP 100 long	HD bendy packer NW 100 mm, length 140 cm	50 mm	130 cm
BP 100125 short	HD bendy packer NW 100-125 mm, length 70 cm	60 mm	50 cm
BP 100125	HD bendy packer NW 100-125 mm, length 110 cm	60 mm	90 cm
BP 100125 long	HD bendy packer NW 100-125 mm, length 145 cm	60 mm	130 cm
BP 100150	HD bendy packer NW 100-150 mm, length 110 cm	64 mm	85 cm
BP 125200	HD bendy packer NW 125-200 mm, length 110 cm	80 mm	90 cm
BP 150250	HD bendy packer NW 150-250 mm, length 130 cm	95 mm	100 cm

New



WE RECOMMEND:

FLEX-ADAPTER



AIR-PUSH-RODS STANDARD OR 6-EDGED



HD

packer lateral

High-end and durable packer for lateral pipe repairs or between dimension gaps and pipes with up to 45° bends.

Advantage:

- small packer diameter
- unique dimension
- dimensionally stable and nevertheless high-flexible
- customization on customer's specifications
- ideal push performance
- with three HD packer you can reach nominal diameter of DN 30-1000
- efficient and economical working
- can be upgraded with flex adapter
- with pre-fitting for steam curing



Rohrsanierungspacker

- Mechanisch-physikalische Eigenschaften
- Berstdruckprüfung
- Wirkungsweise geprüft

www.tuev-sued.de/fik

TÜV Süd
geprüft!



DN 25 - 1000



0°-45°



**up to 5
dimensions**

our portfolio:

25-80 | 30-100 | 50-150 | 70-200 | 100-250 | 125-300 | 200-500 | 300-1000



_high quality

_best performance

_safe

packer lateral

New
New
New

model	description	diameter	patch size
2580-300	HD packer lateral NW 25-80 mm, length 500 mm	20 mm	30-35 cm
2580-500	HD packer lateral NW 25-80 mm, length 1000 mm	20 mm	80-85 cm
2580-1000	HD packer lateral NW 25-80 mm, length 1000 mm	20 mm	130-135 cm
30100-500	HD packer lateral NW 30-100 mm, length 500 mm	28 mm	25-28 cm
30100-1000	HD packer lateral NW 30-100 mm, length 1000 mm	28 mm	75-78 cm
30100-1500	HD packer lateral NW 30-100 mm, length 1500 mm	28 mm	125-128 cm
30100-2000	HD packer lateral NW 30-100 mm, length 2000 mm	28 mm	175-178 cm
50150-500	HD packer lateral NW 50-150 mm, length 500 mm	42 mm	15-25 cm
50150-1000	HD packer lateral NW 50-150 mm, length 1000 mm	42 mm	65-75 cm
50150-1500	HD packer lateral NW 50-150 mm, length 1500 mm	42 mm	115-125 cm
50150-2000	HD packer lateral NW 50-150 mm, length 2000 mm	42 mm	165-175 cm
50150-2500	HD packer lateral NW 50-150 mm, length 2500 mm	42 mm	215-225 cm
50150-3000	HD packer lateral NW 50-150 mm, length 3000 mm	42 mm	265-275 cm

midi

model	description	diameter	patch size
70200-500	HD packer lateral NW 70-200 mm, length 500 mm	55 mm	10-20 cm
70200-1000	HD packer lateral NW 70-200 mm, length 1000 mm	55 mm	60-70 cm
70200-1500	HD packer lateral NW 70-200 mm, length 1500 mm	55 mm	110-120 cm
70200-2000	HD packer lateral NW 70-200 mm, length 2000 mm	55 mm	160-170 cm
70200-2500	HD packer lateral NW 70-200 mm, length 2500 mm	55 mm	210-220 cm
70200-3000	HD packer lateral NW 70-200 mm, length 3000 mm	55 mm	260-270 cm
70200-4000	HD packer lateral NW 70-200 mm, length 4000 mm	55 mm	360-370 cm
100250-1000	HD packer lateral NW 100-250 mm, length 1000 mm	66 mm	60-70 cm
100250-2000	HD packer lateral NW 100-250 mm, length 2000 mm	66 mm	160-170 cm
100250-3000	HD packer lateral NW 100-250 mm, length 3000 mm	66 mm	260-270 cm
125300-1500	HD packer lateral NW 125-300 mm, length 1500 mm	90 mm	90-100 cm
125300-2000	HD packer lateral NW 125-300 mm, length 2000 mm	90 mm	140-150 cm
125300-3000	HD packer lateral NW 125-300 mm, length 3000 mm	90 mm	240-250 cm
125300-4000	HD packer lateral NW 125-300 mm, length 4000 mm	90 mm	340-350 cm

small

Individual length available!

HD



packer lateral

model	description	diameter	patch size
200500-1500	HD packer lateral NW 200-500 mm, length 1500 mm	150 mm	65-75 cm
200500-2000	HD packer lateral NW 200-500 mm, length 2000 mm	150 mm	115-125 cm
200500-3000	HD packer lateral NW 200-500 mm, length 3000 mm	150 mm	215-225 cm
3001000-2000	HD packer lateral NW 300-1000 mm, length 2000 mm	270 mm	50-60 cm
301000-2500	HD packer lateral NW 300-1000 mm, length 2500 mm	270 mm	90-110 cm
3001000-3000	HD packer lateral NW 300-1000 mm, length 3000 mm	270 mm	150-180 cm
FWK 200500	wheels for packer 200-500		
FWK 3001000	adjustable wheels for packer 300-1000		

WE RECOMMEND:



WHEELS FOR PACKER 200/500 and 300/1000



HD TYger

HD TYger is a new technology for rehabilitation of T-and Y-connections in sewer in the field of dimensions 70-200.

HD TYger is a new and unique designed packer system for fast, reliable and easy rehabilitation of T-and Y-Connection in pipes and sewers either with collars or hats. Our system consists of 3 different packers, which provide a range from DN 70 bis zu DN 200.

The functionality of our brand new system is based on 2 independent pressure chambers. This enables the packer and the pulled-over inflating tube to expand separately. It can easily be adjusted and placed at the damaged area. Tight-fitting and flexible collars and hats are available for all common T- and Y-Connections.



DN 70 - 200



for T & Y connections

_easy to handle

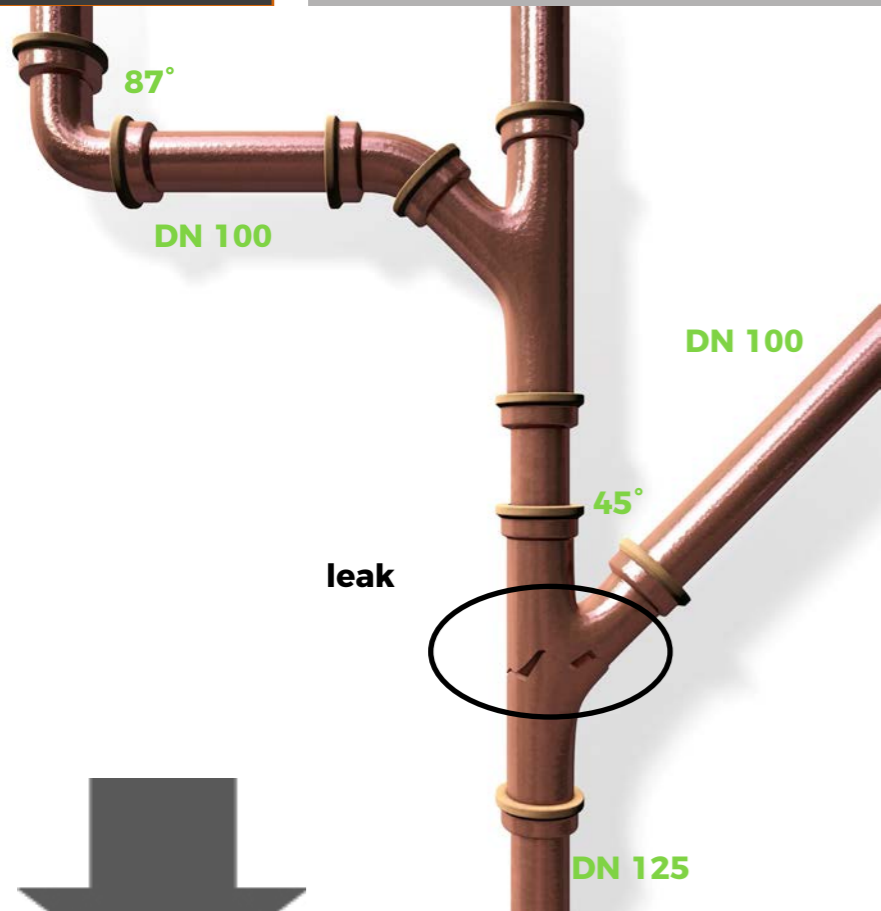
_new technology

_quick results

HD

problem

damaged T- or Y- junction
in the field of house connection
with pipe fitting and dimension gap



solution

HD TYger®

- without milling operations
- bendy & flexible
- quick
- easy handling
- small diameter
- only little equipment necessary

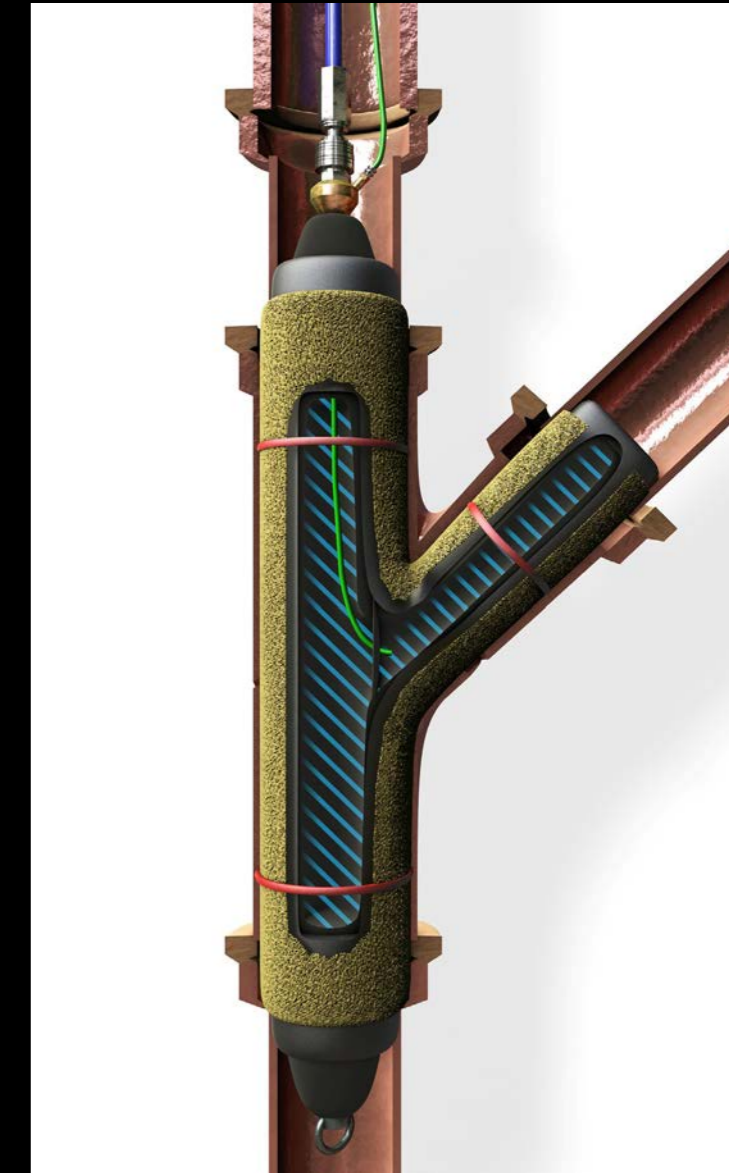


function

1



2



HD

expandable materials



HD-resin system

Our resin system is edited for high and low treatment temperature, the hardening process is manageable by indicator C. We offer non-foaming, alstisticize 3-component resin and pre-accelerated 2-component resin with good grip even on wet surfaces for bonding of partial liners (short liners/ long liners) in the field of sewer rehabilitation. Especially in this field, variable hardening and treatment periods are requested to install liners of different length and dimensions.

packaging sizes: 2-components system with 35 kg
3-components system with 70 kg



HD

expendable
materials

GFK ECR laminates & liner and ProFlex liner



Fiberglass complex multipatch ECR Advantex fabric layer and random arrangement of fibers. The Fiberglass laminates are manufactured solely of non-corroding glass. They consist of one glass fibre mat and one mat with random arrangement of fibers, which are sewed up to a textile rowing. In standard width 130cm and pre-cutted ECR GFK from DN 100-250

New

1081g/m²

1387g/m²

980g/m²
multiaxial, for bends

Stepping outside
your comfort
zone and trying
new things is
the best way to
grow.

HD



New

PROFLEX, UNCOATED

ideal for tight bends

DN 50

DN 70

DN 80

DN 100

DN 125

DN 150

DN 200

DN 250



New

ECR GFK LINER

for bends, available in:

DN 75

DN 100

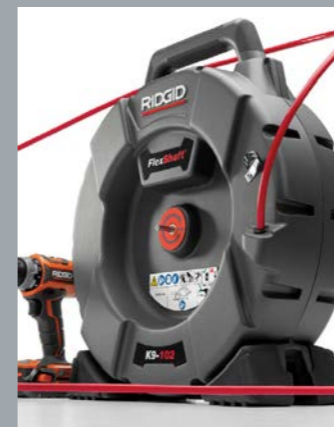
DN 150

TV cameras & equipment

- SeeSnake drums and variations
NEW: FlexShaft
 microDrain drums
 microReel drums
 Mini SeeSnake
 SeeSnake Max
- SeeSnake monitors
 CS12
 CA-350
 CS6
 LT1000
- camera systems
 SeeSnake Compact2
 SeeSnake MaxrM200
- Navitrack Scout tracking device
 and much more...



HD



New

Compressors



CS240/03

weight: 33kg
 size: 40x48x60 cm
 power: 1.7 KW
 max. pressure: 10 bar
 air intake: 240 l/min
 air output: 150 l/min
 tank volume: 3l
 volume: 67 dB (A)



CS240/24

weight: 37kg
 size: 48x55x80 cm
 power: 1.7 KW
 max. pressure: 10 bar
 air intake: 240 l/min
 air output: 150 l/min
 tank volume: 24l
 volume: 67 dB (A)



CS330/03

weight: 32kg
 size: 48x56x40 cm
 power: 2.2 KW
 max. pressure: 10 bar
 air intake: 330 l/min
 air output: 200 l/min
 tank volume: 3l
 volume: 80 dB (A)



CS240/03

weight: 33kg
 size: 40x48x60 cm
 power: 1.7 KW
 max. pressure: 10 bar
 air intake: 240 l/min
 air output: 150 l/min
 tank volume: 3l
 volume: 67 dB (A)



CS330/24

weight: 36kg
 size: 48x79x53 cm
 power: 2.2 KW
 max. pressure: 10 bar
 air intake: 330 l/min
 air output: 200 l/min
 tank volume: 24l
 volume: 80 dB (A)



B110/05

weight: 12.5kg
 size: 40x40x20 cm
 power: 0,75 KW
 max. pressure: 8 bar
 air intake: 110 l/min
 air output: 60 l/min
 tank volume: 5l
 volume: 72 dB (A)



**flow control &
test technology**

**More than
design is
passion.**



**flow control &
test bladder (patented)
as an intelligent system
DN 25-1000**

for house connection, separators, industrial maintenance



only medium air for testing.



flex adapter

scope of system

flow control bladder
test bladder
flex adapter
air push rods

flow control & test technology

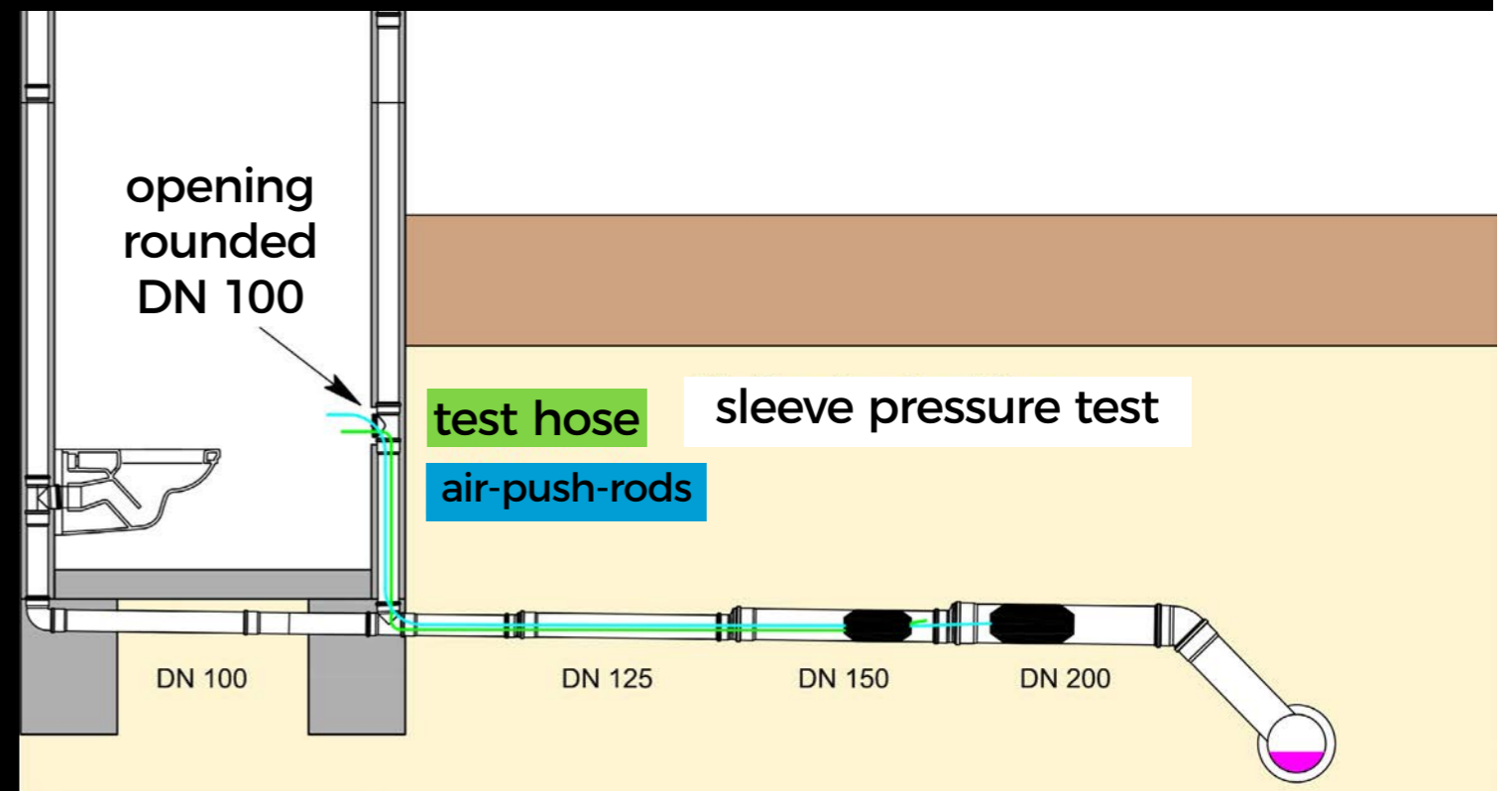
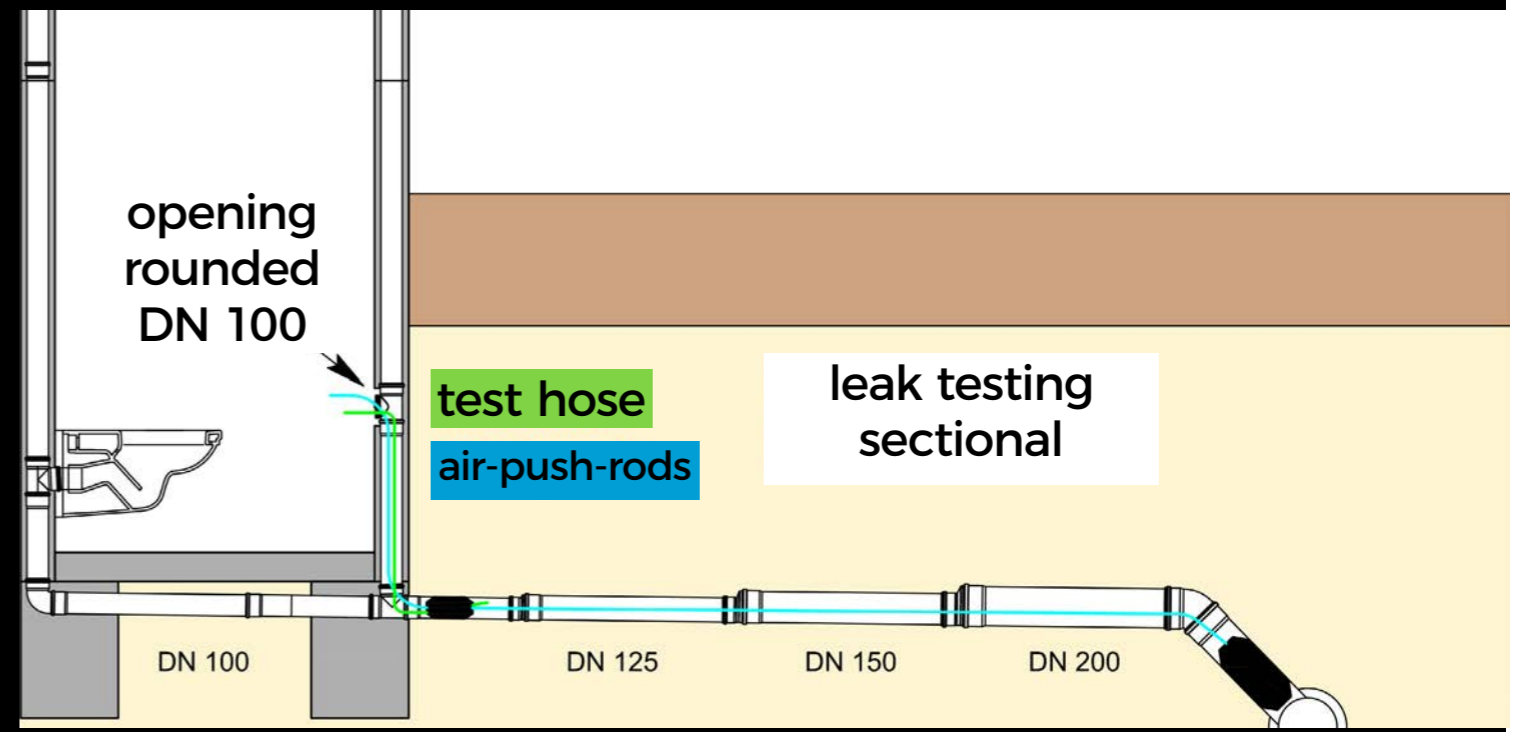
genius

By one inspection chamber section leak test or pipe sleeve test pressure is possible.

- test bladder and flow control bladder in one work step
- small cross-section
- durable and solid, technology based on the HD Packer
- equal operation pressure of test bladder and flow control bladder
- quick and easy exchange of valves and seals

When using multidimensional block off bladders (small cross-section / large expand-volume as dimension 50-150) or our new HD test bladder together leak tests can now be realized, as easily as ever before. In addition, branched drainage systems can be implemented with multiple dimension jumps in the smallest dimension to verify the largest dimension in sections or at points for leaks.

example



air push rods & push assistance & flex dapter

HD



- 6-edged-air push rods
coded, ultra-high flexible, blue
DN 100-200**
- coupled linkage
for exact radial positioning
 - for rehabilitation of T and Y junctions
with new HD TYger
 - junction rehabilitation with templates



- air push rods, blue
ultra-high flexible pro DN 100-200**
- very good push behaviour through
revision openings, fittings, curvatures
(levels) all materials from DN 100
 - thrust DN 150 up to 35m
 - high-quality material combination
couplings V2A and brass plated

Different length available!



- push assistance**
- bendable 87° HT from DN 50
 - thrust up to 10m
 - quick coupling NW 7,2
with manual safety lock
 - with 1/8 Zoll-connection AG
-> DN 25-80, for packer 30/100,
diameter 10 mm
 - with 1/4 Zoll-connection AG
-> DN 50-150, for packer 50/150 &
BP 70/100, diameter 16 mm



- flex adapter**
- in various styles for packers
& flow control and test bladders.
- best performance in bends
 - enable a new spectrum of leak test

couplings &
nipples &
spinning chain scraper
with carbide buckle

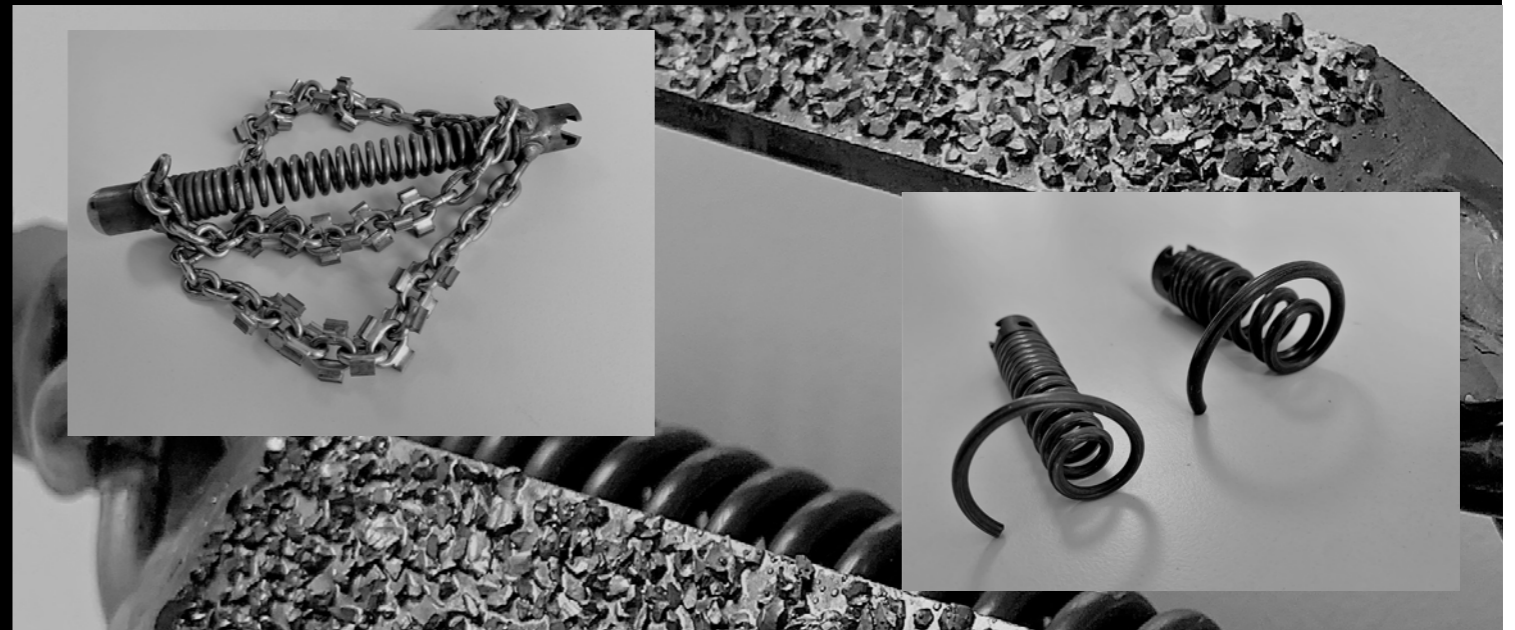
Creativity
is just
connecting
things.

Steve Jobs

fine

medium

rough



air pressure hoses & regulators

No pressure,
no diamond.

air pressure hoses

DN 13, 3-fold fabric reinforcement, wall thickness 3mm, maximum pressure 20 bar, very flexible and kink stable, working temperature -15°C to + 60°C

models: 2x plug male or
 1x plug male, 1x coupling

- insensitive against chemicals, oil or petrol
- high abrasion resistance
- high-quality couplings with press-making
- connections in stainless steel edition
- * quick coupling NW 7,8 with manual safety lock

individual length on request!



pressure regulator

Perfect for exact measuring of initial air pressure and work pressure in packer.

pressure regulator 1/4 Zoll, plug nipple, coupling NW 7,2

HD

Individual vehicle expansion



HD

Basics of our inner space concept:

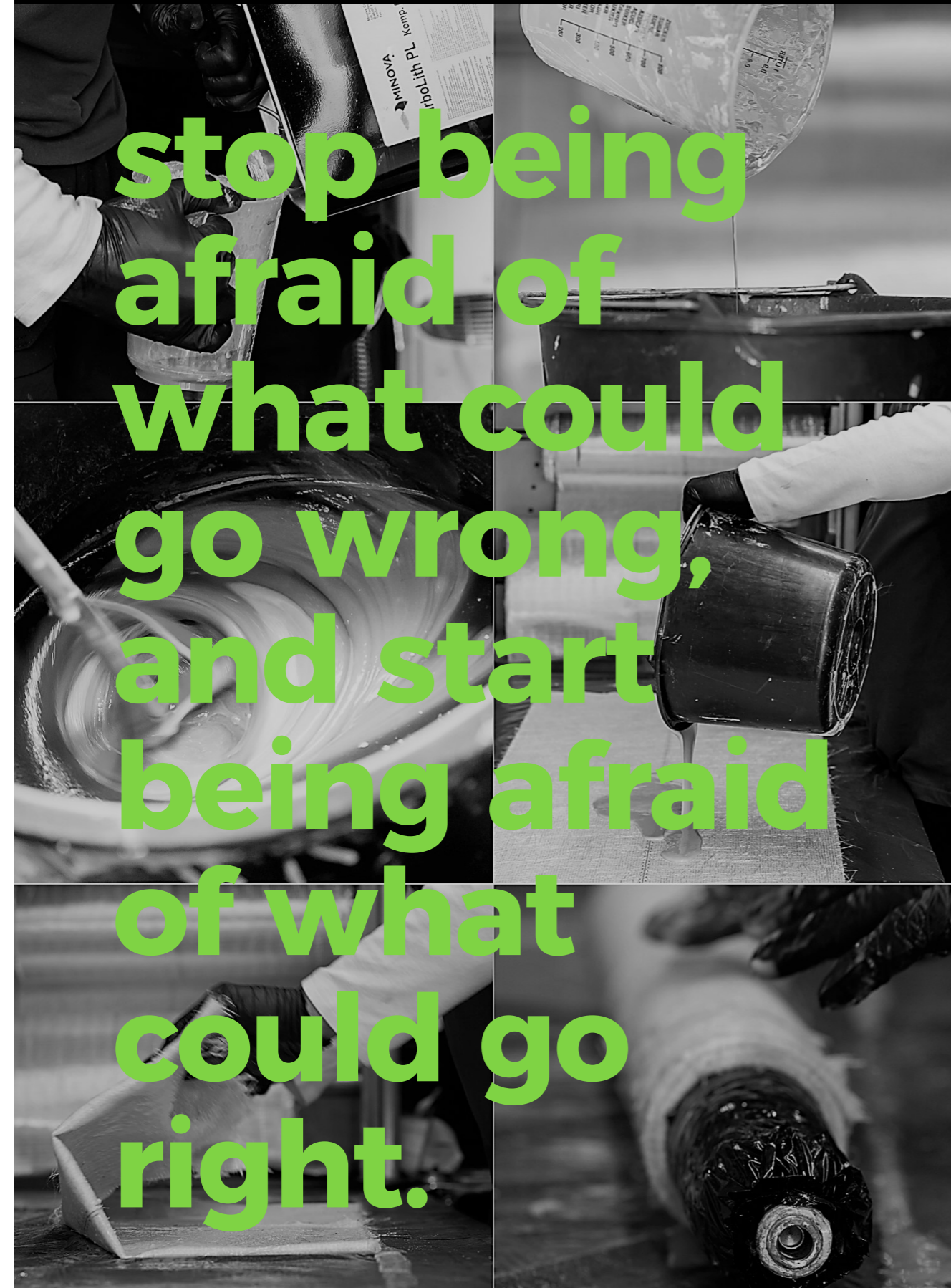
- stable & light weight material construction for higher payload
- smart inner space design for efficient work process
- optimal access to tools, materials and machines

All common services of house connection combined in one vehicle:

- pipe cleaning (electromechanical, hydraulic)
- TV-pipe inspection (DN 30-800)
- pipe socket rehabilitation (DN 70-200)
- short liner technology
- leaktests (DN 30-500)

simplicity is the soul of efficiency

individual trainings



**stop being
afraid of
what could
go wrong,
and start
being afraid
of what
could go
right.**

We sell goods from in-house production and offer technical support for your concerns and training to ensure safe and responsible handling for flexible and simple application while rehabilitation. By transferring theoretical knowledge, by proper use of machines and materials and also by considering a keen sense of intuition whilst performance, success can be reached. We would like to support you in achieving your goals.

We provide:

- **in-house coaching**
- **operator coaching**
- **practice-related trainings on construction site**

Or visit us:

- **Certified trainings on our site.**

**„our contact
#1 for short liner
technology“**

customers voice

HD

service in short liner technology

HD Services Maintenance work on the underground infrastructure is a complex task area. In permanent contact with our partners practice-oriented system solutions are being developed. With our decades of experience and expertise in the application and continuous research and development we guarantee and offer you a true value-added and long-term partnership. We offer planning and execution for the following services:

- partial rehabilitation
- house connection / hose liner
- Connector rehabilitation
- leak test
- separator test
- separator and manhole rehabilitation
- Wrap-Tech-Solution®

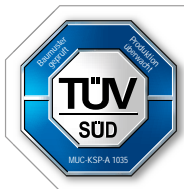


work smart
not hard

HD

HD

catalog



Rohrsanierungspacker

- Mechanisch-physikalische Eigenschaften
- Berstdruckprüfung
- Wirkungsweise geprüft

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