



Utility Connection - Entries



UTILITY - ENTRIES

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Multi utility connection for buildings without basement



KRASO® Builder's Convenience Box
- floor - **SET**
Check the installation video
(Just scan the QR code!)



KRASO® Builder's Convenience Box - floor - **SET**

The multi utility connection with integrated installation kit

- + The convenient solution for builders: safe and tight installation of gas, water, electricity and telecommunication lines into buildings without basement!
- + DVGW-certified according to VP 601: overall system is gas- and water pressure tight up to 1 bar! Gas- and odour-tight – high-quality in terms of TA-Air!
- + Radon-tight! Resistant to methane gas!
- + **KRASO® 4 Seal**: exterior sealing of concrete: 10 bar!
Overall system is gas- and water pressure tight up to 1 bar!
- + Simple installation due to stable installation device and visual check of the snap-on-socket - helps to avoid installation errors
- + Hose diameter: external 90 mm - internal 80 mm
- + With integrated installation kit: ready-assembled components for the utility connection of electricity, water and telecommunication lines, including floor screed insert and height fixation. No need to pass on the installation kit to other installers.
- + For flush-mount installation in the base plate - no tripping hazards, no wall damages!
Including building period installation cover
- + Easy integration of vapour barrier foils due to the roughened trowel flange!
- + Height-adjustable base plate and floor screed
- + **KRASO® BKP Gas Installation Kits** optionally available
- + Split end plugs for easy installation!
- + Including extension set!
- + DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1.1 -E



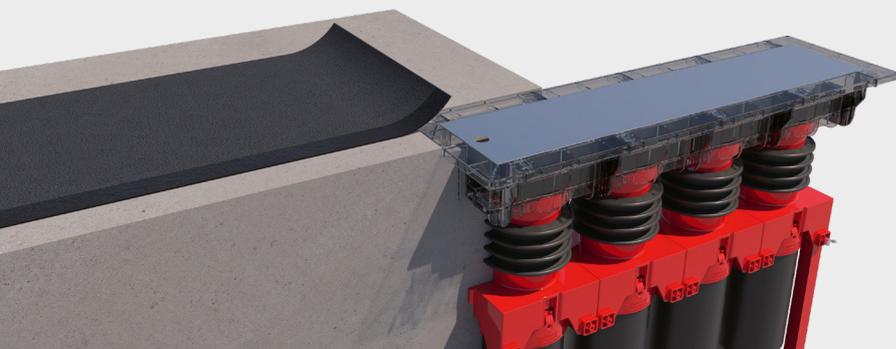
KRASO® BKP - floor - **SET - 4-fold:**
each section can be used!

With integrated installation kit:
no need to pass on the installation kit to other installers

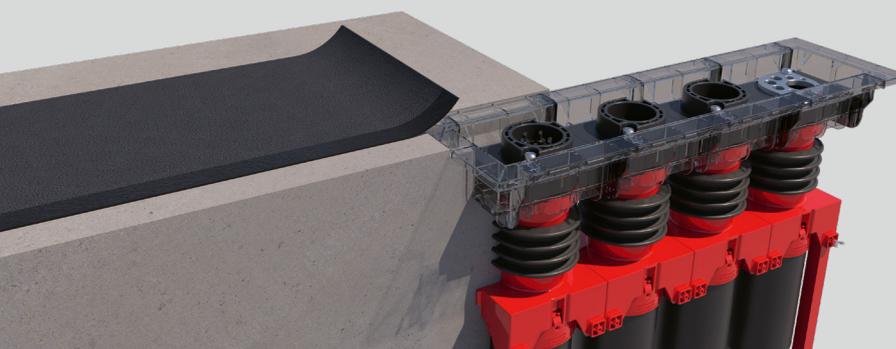


UTILITY - ENTRIES

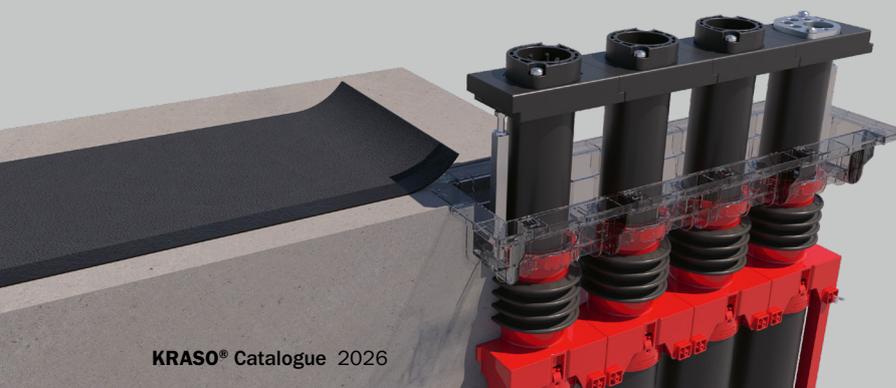
In line with the construction process:



The installation kit in the **SET** is securely closed with a building period protective cover. After the pouring of the base plate the vapour barrier foil can be applied to the roughened trowel flange.



The integrated installation kit includes the pre-assembled components for the utility connection for electricity, water and telecommunication lines. Optionally available: **KRASO® BKP Gas Installation Kits**



The floor screed insert is pulled out of the **SET** and adjusted to the desired height (0-240 mm). The floor screed insert can be fixed with the height fixation. The lines for water, electricity and telecommunication can now be installed in the building and then sealed with the appropriate **KRASO® BKP - Sealing Inserts** from the installation kit.



KRASO® BKP - Sealing Inserts
 - telecommunication -
 - electricity/water -
 - electricity + telecommunication -
 consists of primary and secondary sealing

integrated installation kit with ready-assembled components for the utility connection
 roughened trowel flange for integration of vapour barrier foils
 eyebolts

optionally available **KRASO® BKP Gas Installation Kits** consists of primary and secondary sealing
 • Schuck DN 25
 • RMA DN 25
 • Voigt DN 25
 • Voigt DN 32

height-adjustable **KRASO® BKP Floor Screed Insert** with height fixation, protection foil and lubricant

height-adjustable **SET** 4-fold with gas- and water pressure tight **KRASO® 4 Seal** and visual check of the snap-on-socket

KRASO® FLS 90
 with vulcanised locking-sleeve

pair of supporting bars

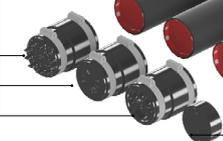
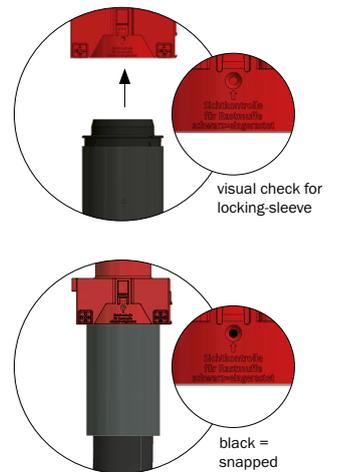
foot

foot extension

sealing lid

gas sealing end plug for a sand proof sealing of the gas line in the **KRASO® FLS 90**

casing pipe end plugs including
 • end plug
 • hose connection 90/75



KRASO® Builder's Convenience Box - floor - SET LG 5

multi utility connection for supply lines (gas, water, electricity, telecommunication) for buildings without basement incl. KRASO® FLS 90, incl. installation kits for electricity/water (2 x), telecommunication, electricity + telecommunication as standard configuration for KRASO® BKP - floor - SET - 4-fold, desired configuration for the KRASO® BKP - floor - SET - 3-fold, 2-fold, 1-fold, KRASO® BKP Gas Installation Kits are optionally available | DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1.1-E

Item		KRASO® BKP - floor - SET						
Height-adjustable to TEUF* in mm from ... to ...		1350 - 1400						
Height-adjustable to TEFF** in mm from ... to ...		0 - 240						
Bending radius in mm		≥ 1000						
incl. KRASO® FLS 90 (hose length per section in metre)		3	4	6	9	10	12	15
Design	Dimensions floor screed insert wiping edge in mm							
1-fold	141 x 90	404 €	424 €	463 €	521 €	541 €	580 €	638 €
2-fold	284 x 90	553 €	592 €	670 €	787 €	826 €	904 €	1,021 €
3-fold	423 x 90	834 €	893 €	1,010 €	1,185 €	1,244 €	1,361 €	1,536 €
4-fold	564 x 90	963 €	1,041 €	1,197 €	1,431 €	1,509 €	1,665 €	1,899 €
5-fold	705 x 90	1,237 €	1,335 €	1,530 €	1,821 €	1,919 €	2,115 €	2,407 €

Scope of supply: the following details are for the KRASO® Builder's Convenience Box - floor - SET - 4-fold with KRASO® FLS 90 (3 metres), the delivery is differing with regard to other designs (3-fold, 2-fold, 1-fold)

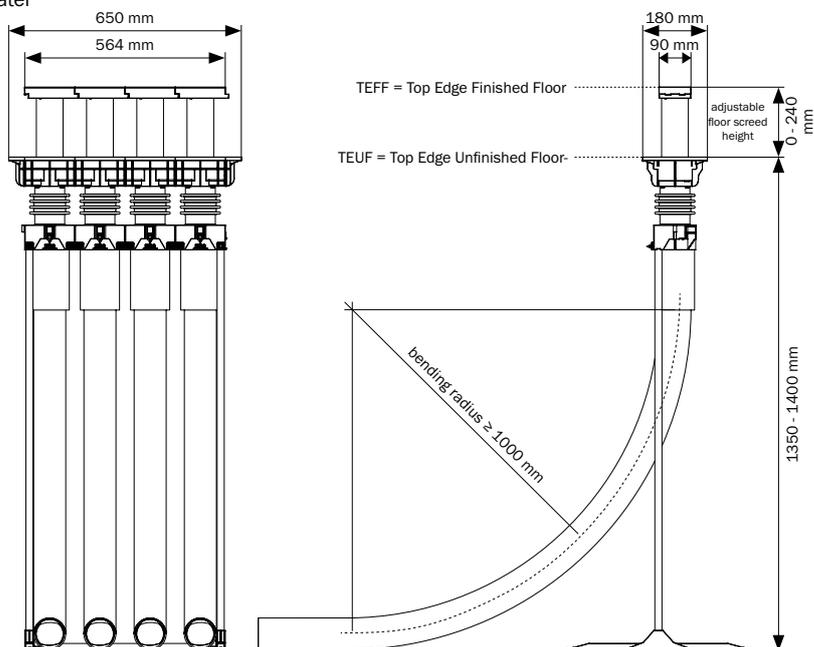
- foot
- foot extension
- pair of supporting bars
- height-adjustable SET 4-fold with gas- and water pressure tight KRASO® 4 Seal, trowel flange, visual check for locking-sleeve and integrated installation kit with building period installation cover
- 4 x Flexible Empty Pipe System KRASO® FLS 90 (3 metres) with vulcanised locking-sleeve and closure cover
- height-adjustable KRASO® BKP Floor Screed Insert with protective cover and lubricant
- height fixation for KRASO® BKP Floor Screed Insert (2 pcs.)
- installation instructions KRASO® Builder's Convenience Box - floor - SET
- KRASO® BKP - floor - Extension Set including
 - 4 x adapter tube 90
 - 8 x shrink hose (DN 90 auf DN 75)
- installation kits including
 - KRASO® BKP - Sealing Insert - electricity/water - 2 pcs. with stepless onion ring technology 26 - 50 mm or blind
 - primary sealing + secondary sealing electricity/water
 - casing pipe end plugs including
 - end plugs electricity/water - split -
 - hose connection 90/75

- KRASO® BKP - Sealing Insert - telecommunication - clamping range: 5 - 13 mm, 3 x 7 - 13 mm, 13 - 21 mm or blind
 - primary sealing + secondary sealing telecommunication
 - casing pipe end plugs including
 - end plug telecommunication - split -
 - hose connection 90/75

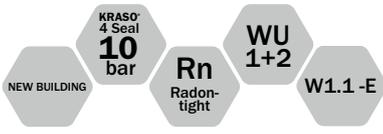
- KRASO® BKP - Sealing Insert - electricity + telecommunication - clamping range: electricity 25 - 36 mm / telecommunication 2 x 5 - 10 mm, 3 x 7 - 14 mm or blind
 - primary sealing + secondary sealing electricity + telecommunication
 - casing pipe end plugs including
 - end plug electricity + telecommunication
 - hose connection 90/75
 - a tube of lubricant

optionally available KRASO® BKP Gas Installation Kits:

- Schuck DN 25 consisting of primary and secondary sealing as well as gas end plug
- RMA DN 25 consisting of primary and secondary sealing as well as gas end plug
- Voigt DN 25 consisting of primary and secondary sealing as well as gas end plug
- Voigt DN 32 consisting of primary and secondary sealing as well as gas end plug



* TEUF = Top Edge Unfinished Floor
** TEFF = Top Edge Finished Floor



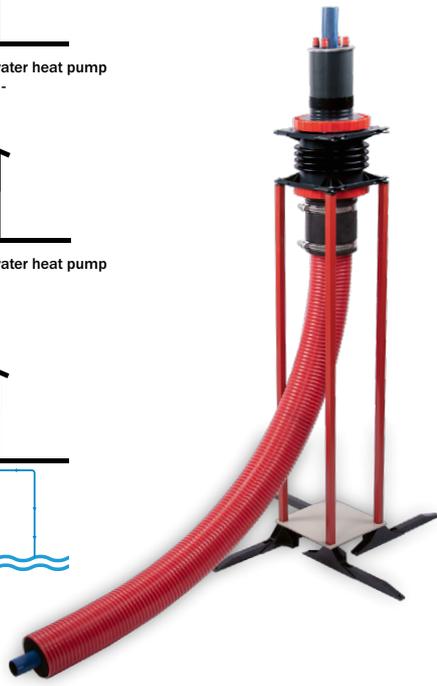
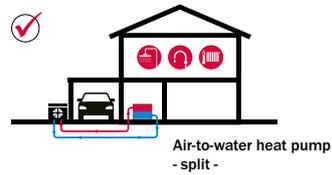
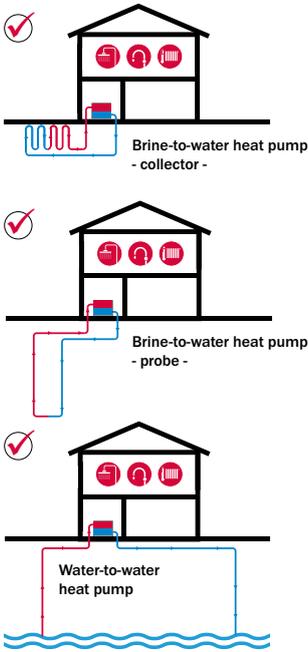
KRASO® Builder's Convenience Box - floor - 110

The flexible utility connection for heat pumps, local, district or geothermal heating, gas, water or electricity

- + The secure utility connection for heat pumps for buildings without basement:
 - **KRASO® Builder's Convenience Box - floor - 110** for water-to-water heat pumps and brine-to-water-heat pumps (probe and collector)
 - **KRASO® Builder's Convenience Box - floor - 110 - SWP** for air-to-water heat pump (split)
- + Flexible: also usable for configuring with local, district or geothermal piping systems, gas, water or electricity up to DN 50
- + With water pressure tight surrounding **KRASO® 4 Seal**: exterior sealing of concrete: 10 bar!
- + Radon-tight!
- + Hose diameter: external 110 mm - internal 100 mm!
- + Stable installation device with foot extension for a safe position and an easy installation
- + For flush-mount installation in the base plate – no tripping hazards, no wall damages! Including building period protection cover
- + Incl. empty pipe insert (25 cm, internal diameter: 100 mm) for a flexible floor construction
- + Incl. Flexible Empty Pipe System **KRASO® FLS 110** (internal diameter: 100 mm) 1000 mm. Incl. hose connection 110 und ending plug
- + DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1.1 -E



KRASO® Builder's Convenience Box - floor - 110 also available as multi utility connection!



KRASO® Builder's Convenience Box - floor - 110

with KRASO® Sealing Insert Universal 100 DD with large flange for internal installation of the lines

Scope of application:

- stepless onion ring technology 18 – 65 mm or blind

KRASO® Builder's Convenience Box - floor - 110 - SWP

with KRASO® Sealing Insert Type SWP with large flange for internal installation of the lines

Scope of application:

- for control cables, closed: stepless onion ring technology 2 x 5 - 18 mm, with plug
- for refrigerant pipes, split:
 - onion ring technology 1 x 6 - 13 mm for 1/4 or 3/8 inch pipes, with plug
 - onion ring technology 1 x 6 - 18 mm for 1/4, 3/8, 1/2 or 5/8 inch pipes, with plug



KRASO® Builder's Convenience Box - floor - 110

LG 5

incl. empty pipe insert (25 cm, internal diameter: 100 mm)

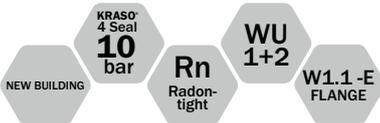
(including installation set)

KRASO® Builder's Convenience Box (BKP) - floor - 110 - 1-fold, single utility connection for supply lines (heat pump, local/district/geothermal heating, gas, water or electricity) for buildings without basement, incl. KRASO® FLS 110. | DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1.1 -E

Item	KRASO® BKP - floor - 110 / KRASO® BKP - floor - 110 - SWP			
Height to TEUF in mm	approx. 1250			
Height-adjustable to TEFF in mm to max.	approx. 1500			
Bending radius in mm	1000			
Incl. KRASO® FLS 110 in metres	3	6	9	12
KRASO® BKP - floor - 110	715 €	814 €	913 €	1,012 €
KRASO® BKP - floor - 110 - SWP	750 €	849 €	948 €	1,047 €
optionally: KRASO® Trowel Flange	93 €			

Scope of supply: stable installation device with foot extension, wall penetration for installation flush with the base plate, Flexible Empty Pipe System KRASO® FLS 110 (internal diameter: 100 mm), radius: 1000 mm, incl. hose adapter 110, installation set including: empty pipe insert ID 100, approx. 25 cm, KRASO® Sealing Insert Universal 100 DD with large flange, end plug FLS 110 Universal or KRASO® Sealing Insert Type SWP with large flange, end plugs

Different lengths available on request!



KRASO® Builder's Convenience Box - floor - 150

The safe utility connection for larger media lines

- + The safe utility connection for larger media lines for buildings without basement, e.g. electricity or water for residential buildings or commercial buildings
- + Usable with **KRASO® Sealing Insert** with large flange as utility connection entry or outlet: e.g. for charging stations in residential buildings (flat ownership modernisation law – WEMoG)
- + With water pressure tight surrounding **KRASO® 4 Seal**: exterior sealing of concrete: 10 bar!
- + Radon-tight!
- + Stable installation device incl. rigid empty pipe with bending radius from 1000 mm
- + For flush-mount installation in the base plate – no tripping hazards, no wall damages! Including building period protection cover
- + Including empty pipe insert (25 cm, internal diameter: 150 mm) for a flexible floor construction
- + Internal installation of media lines via **KRASO® Sealing Inserts**: various designs with stepless onion ring technology
- + External optional connection possibilities: connection to **KRASO® FLS**, cable protective hoses DN 110 or DN 160 or KG empty pipe systems with DN 160
- + Optionally available: **KRASO® Trowel Flange**
- + DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1.1 -E



optional
KRASO®
Trowel Flange

KRASO®
Empty Pipe Insert

KRASO® Builder's Convenience Box - floor - 150 **LG 5**

single utility connection for supply lines, for buildings without basement, with water pressure tight surrounding **KRASO® 4 Seal** | **DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1.1-E**

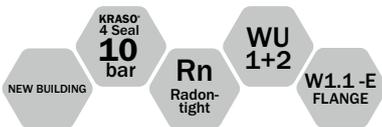
Item	KRASO® BKP - floor - 150			
Height to TEUF in mm	approx. 1330			
Height-adjustable to TEFF in mm to max.	approx. 1580			
Bending radius in mm	1000			
KRASO® Sealing Insert with large flange optionally:	Design 1	Design 2	Design 3	Design 4
Stepless onion ring technology: external diameter cable from ... to ... in mm	3 x 6 - 52 mm or blind	4 x 6 - 18 mm and 6 x 6 - 33 mm or blind	6 x 6 - 38 mm or blind	1 x 50 - 92 mm or blind
KRASO® System Cover – optionally:	Design 1	Design 2	Design 3	
	Hose adapter 160	Hose adapter 110	Sleeve DN 160	
KRASO® BKP - floor - 150	821 €			
optionally: KRASO® Trowel Flange	93 €			

Scope of supply: rigid empty pipe 150 incl. stable installation device, empty pipe insert ID 150, approx. 25 cm, **KRASO® Sealing Insert** with large flange for the installation in **KRASO® Empty Pipe Insert**, **KRASO® System Cover KDS** for the connection of on-site empty pipe

Trusting in knowledge - building tightly **KRASO®** is a member of FHRK e. V.

- + As a member of the **Fachverband Hauseinführungen für Rohre und Kabel** (*Professional association house entries for pipes and cables, FHRK e. V.*), together with other manufacturers and users such as utility companies, we develop test principles and technical guidelines that ensure the quality of sealing solutions for house entries and make them comparable.





KRASO® Builder's Convenience Box - floor - NFE - Basis

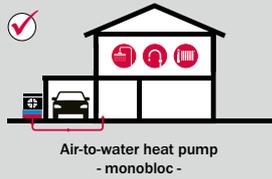
Simple, comfortable, tight
to the heat pump or to the local, district
and geothermal energy network



- + The comfortable solution for the connection to air-to-water-heat pumps (monobloc) or to the local, district and geothermal energy network – for flexible and insulated pipelines with integrated supply and reflux
- + Fully assembled stable installation device: positioning – arrangement – concreting – connection – ready!
- + For buildings without basement: single-/multi-family houses, public and commercial buildings
- + On request also available with **KRASO® Foil Flange** – for the integration into the floor sealing
- + **KRASO® Builder's Convenience Box - floor - NFE - Basis** including:
 - **KRASO® Builder's Convenience Box - floor - NFE - Basis DN 200, DN 250 or DN 315** with water pressure tight surrounding **KRASO® 4 Seal**
 - **KRASO® Empty Pipe Insert** for the internal floor construction
 - Building period protective cover
- + DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1.1 -E

**KRASO® Builder's Convenience Box
- floor - NFE - Basis**
also available as 2-fold system!





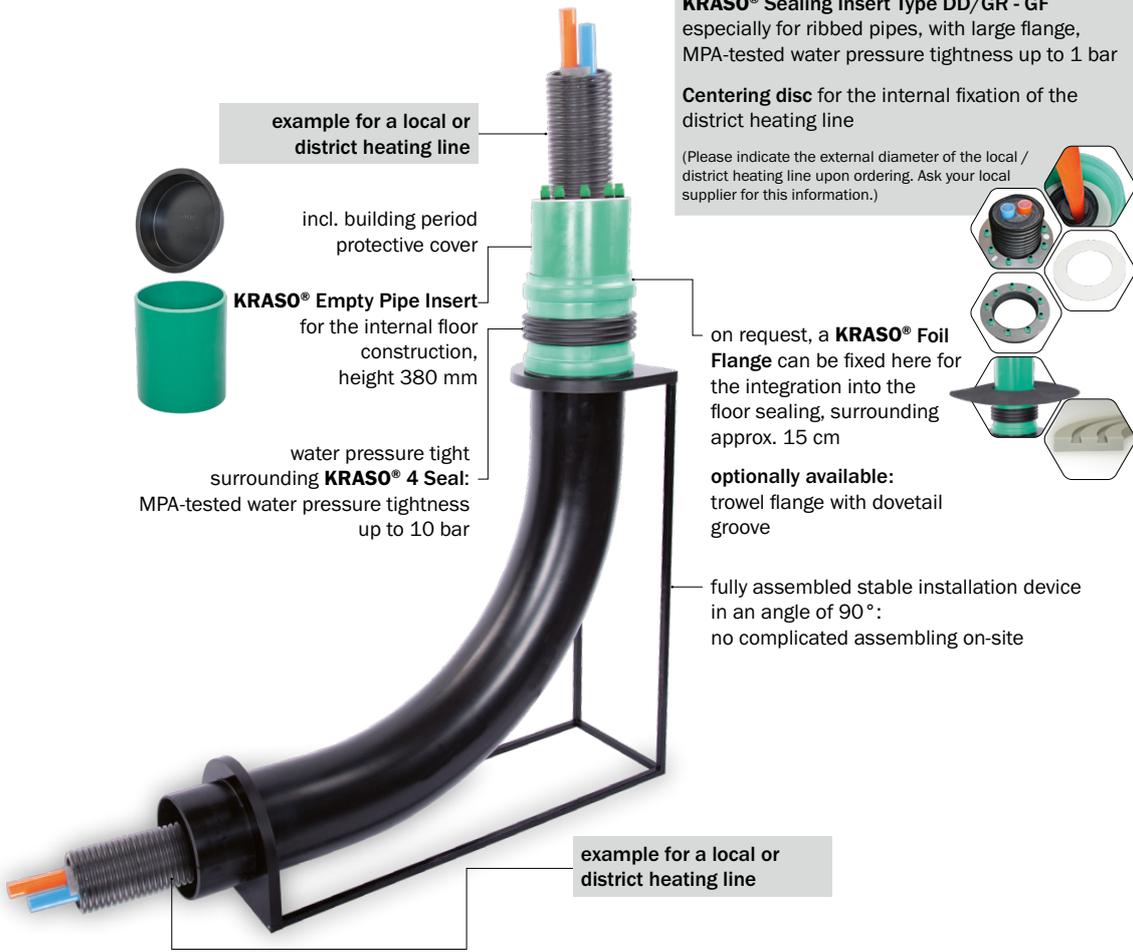
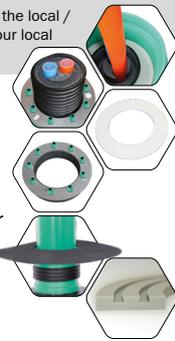
extension of the exterior connection to KG or KG 2000 pipes (on-site) possible

Optionally available installation kit:

KRASO® Sealing Insert Type DD/GR - GF especially for ribbed pipes, with large flange, MPA-tested water pressure tightness up to 1 bar

Centering disc for the internal fixation of the district heating line

(Please indicate the external diameter of the local / district heating line upon ordering. Ask your local supplier for this information.)



KRASO® Builder's Convenience Box - floor - NFE - Basis LG 5

for the connection to the local, district and geothermal energy network. Optionally available: **KRASO® Foil Flange** for the integration into the floor sealing | **DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1.1 - E**

Item	KRASO® BKP - floor - NFE - Basis				
	200	200	200	250	315
Diameter DN	200	200	200	250	315
Bending radius in mm	800	1000	1250	800	1000
KRASO® BKP - floor - NFE - Basis	914 €	955 €	1,017 €	991 €	1,154 €
KRASO® Foil Flange (optionally available)	237 €	237 €	237 €	309 €	400 €
Installation kit (optionally available)	284 €	284 €	284 €	339 €	434 €

Scope of supply: KRASO® Builder's Convenience Box - floor - NFE - Basis with installation device, empty pipe insert and building period protection cover. Optionally available: **KRASO® Foil Flange**, installation kit with **KRASO® Sealing Insert Type DD/GR - GF** and centering disc

Two-fold version on request!



Multi utility connection for buildings with basement



KRASO® Builder's Convenience Box - wall
Check the installation video (Just scan the QR code!)



KRASO® Builder's Convenience Box - wall

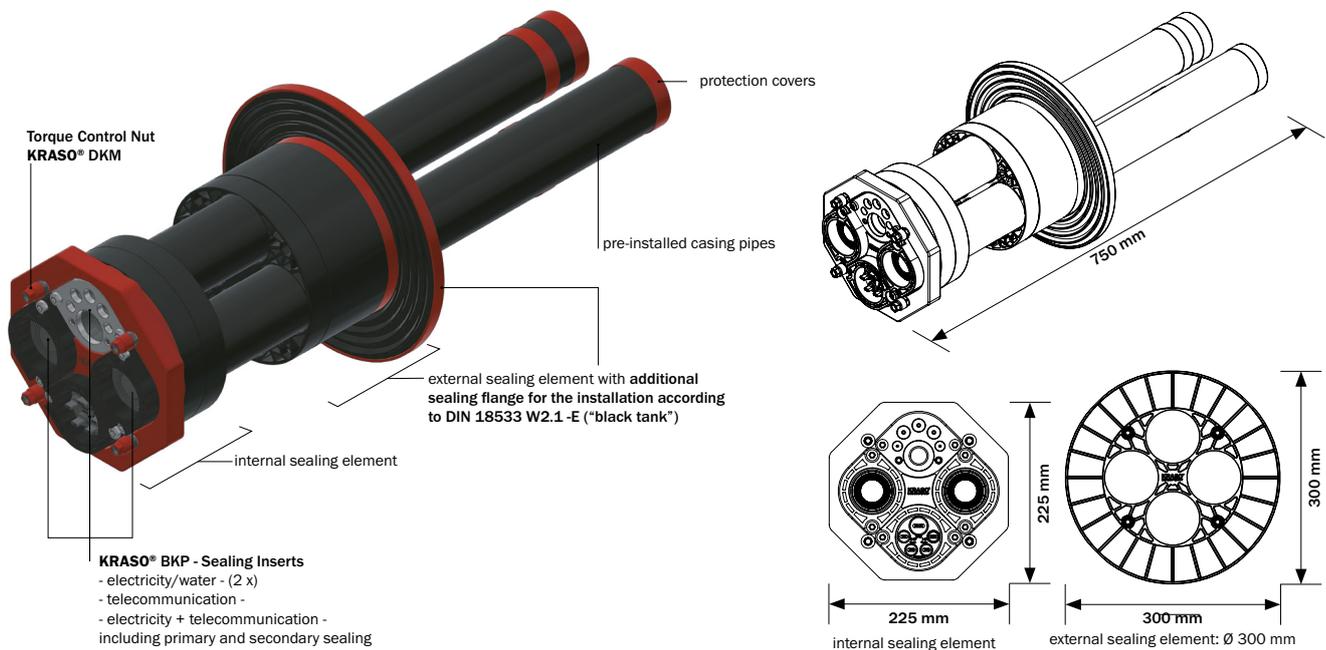
Multi utility connection for buildings with basement: gas, water, electricity and telecommunication

- + DVGW-certified according to VP 601: complete system is gas- and water pressure tight up to 1 bar!
- + For core drilling and casing DN 200 (199 - 203 mm). For precast walls and in-situ concrete walls!
- + External sealing element with sealing flange according to DIN 18533! Seal width: 80 mm
- + Tight in waterproof concrete structures with stress class 1 (permanently or temporarily pressing water)
- + Radon tightness IAF tested - meets the requirements for radon precautionary areas according to FHRK leaflet MB 101! Resistant to methane gas!
- + **Torque Control Nut KRASO® DKM**: integrated torque limiter - no torque wrench required!
- + Split end plugs for easy installation!
- + Ready for the network connection of gas, water, electricity and telecommunication: tested in accordance with DVGW! Including **KRASO® BKP - Sealing Inserts** for electricity/water, telecommunication, electricity + telecommunication
- + Optionally available **KRASO® BKP Gas Installation Kits**:
 - gas utility connection Schuck DN 25
 - gas utility connection RMA DN 25
 - gas utility connection Voigt DN 25
 - gas utility connection Voigt DN 32
- + Including **KRASO® BKP - wall - Extension Set**!
- + DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1 -E and W2.1 -E

KRASO® BKP - wall:
each section can be used!



KRASO® BKP - wall - Extension Set
including
- 4 x double sleeve DN 75
- 8 x sealing ring
- lubricant



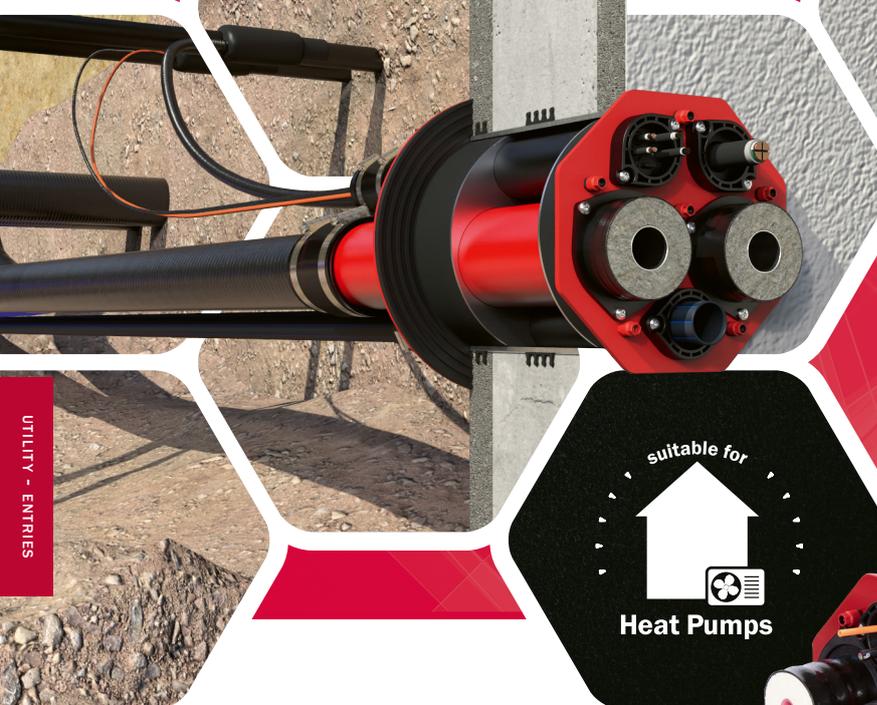
KRASO® Builder's Convenience Box - wall **LG 5**

multi utility connection for supply lines (gas, water, electricity, telecommunication) for buildings with basement, **KRASO® BKP Gas Installation Kits** optionally available | **DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1-E and W2.1 - E**

Item	KRASO® BKP - wall
Wall thickness from ... to ... in mm	200 - 500
Diameter core drilling min ... max ... in mm	199 - 203
Length complete system in mm	750
Length x width internal sealing element in mm	225 x 225
Diameter external sealing element in mm	300
Internal diameter casing pipes in mm	68
External diameter casing pipes in mm	75
KRASO® BKP - wall	772 €

Scope of supply:

- **KRASO® Builder's Convenience Box - wall** including
 - internal sealing element with pre-installed casing pipes incl. protective covers for the installation of supply lines such as gas, water, electricity, telecommunication
 - external sealing element
 - **KRASO® BKP - wall - Extension Set** including
 - 4 x double sleeve DN 75
 - 8 x sealing rings
 - lubricant
 - installation instructions **KRASO® Builder's Convenience Box - wall**
 - installation kits including
 - **KRASO® BKP - Sealing Insert - electricity/water** - 2 pcs. with stepless onion ring technology 26 - 50 mm or blind
 - primary sealing + secondary sealing electricity/water
 - casing pipe end plugs including
 - end plug electricity/water - split -
 - hose connection 80
 - **KRASO® BKP - Sealing Insert - telecommunication** - clamping range: 5 - 13 mm, 3 x 7 - 13 mm, 13 - 21 mm
 - primary sealing + secondary sealing telecommunication
 - casing pipe end plugs including
 - end plug telecommunication - split -
 - hose connection 80
 - **KRASO® BKP - Sealing Insert - electricity + telecommunication** - clamping range: electricity 25 - 36 mm / telecommunication 2 x 5 - 10 mm, 3 x 7 - 14 mm or blind
 - primary sealing + secondary sealing electricity + telecommunication
 - casing pipe end plugs including
 - end plug electricity + telecommunication
 - hose connection 80
 - a tube of lubricant
- optionally available **KRASO® BKP Gas Installation Kits:**
- Schuck DN 25 consists of primary and secondary sealing as well as gas end plug
 - RMA DN 25 consists of primary and secondary sealing as well as gas end plug
 - Voigt DN 25 consists of primary and secondary sealing as well as gas end plug
 - Voigt DN 32 consists of primary and secondary sealing as well as gas end plug



Multi utility connection for buildings with basement



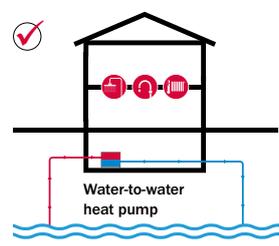
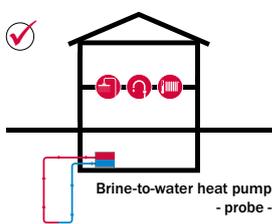
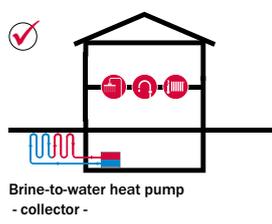
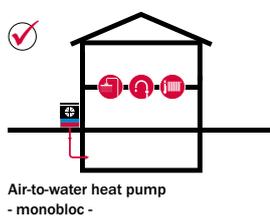
UTILITY - ENTRIES

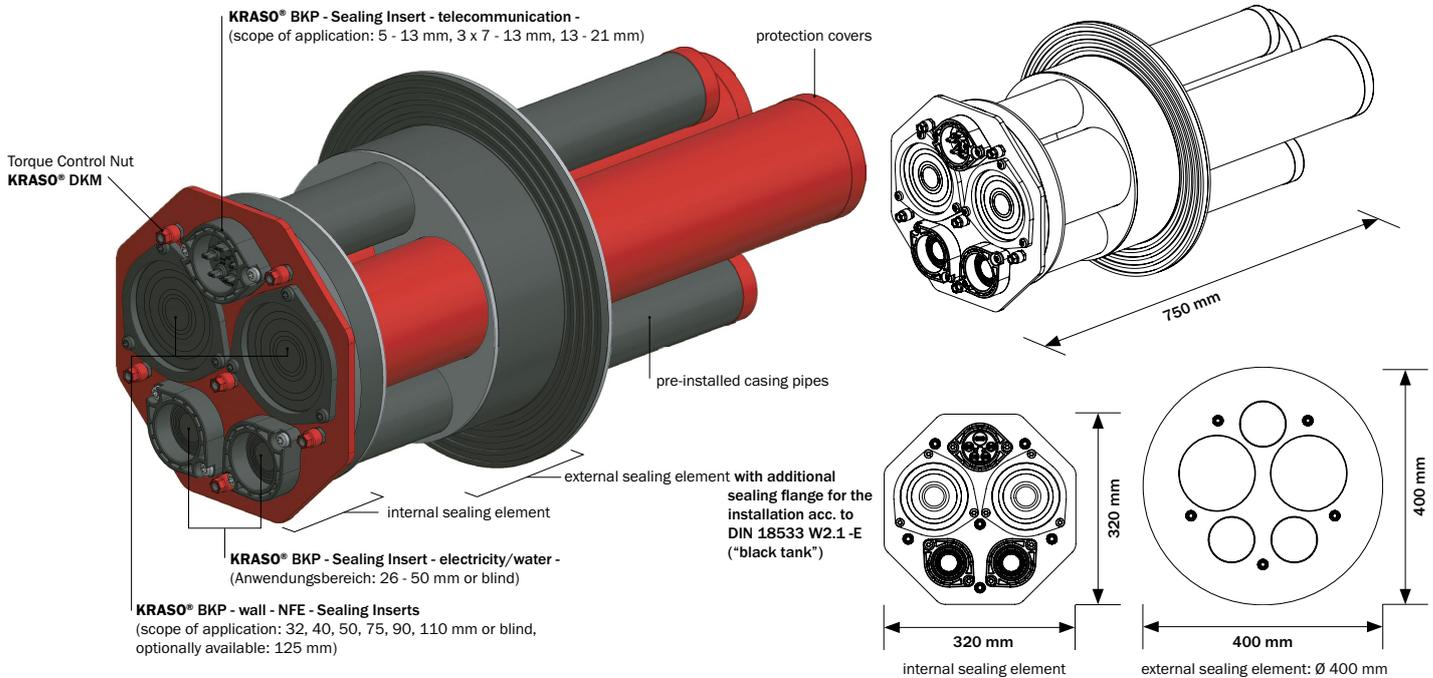


KRASO® Builder's Convenience Box - wall - NFE

Comfortable connection to your basement: heat pump, local, district or geothermal heating

- + Heat pump or local, district or geothermal heating system connection each with supply and reflux!
- + For heat pumps or local, district or geothermal heating lines with diameter 110, 90, 75, 50, 40 or 32 mm, optionally available with a diameter of 125 mm
- + For core drilling and casing DN 300 (299 - 303 mm). For precast walls and in-situ concrete walls!
- + External sealing element with sealing flange according to DIN 18533! Seal width: 90 mm
- + Gas- and odour-tight - high-quality in terms of TA-Air!
- + Certified up to 1 bar!
- + Radon tightness IAF tested - according to FHRK leaflet MB 101! Resistant to methane gas!
- + **Torque Control Nut KRASO® DKM:** integrated torque limiter - no torque wrench required!
- + Including all components for a secure grid connection of heat pump, local, district or geothermal heating, water, electricity and telecommunication!
- + Including casing pipe end plugs - warm bridges are avoided!
- + Optionally available: **KRASO® BKP - wall - NFE - Extension Set** - for cable protective hoses, **KRASO® FLS** or rigid casing pipes!
- + DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1 -E and W2.1 -E





KRASO® Builder's Convenience Box - wall - NFE **LG5**

multi utility connection for supply lines (local, district or geothermal heating, water, electricity, telecommunication) for buildings with basement | DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1 -E and W2.1 -E

Item	KRASO® BKP - wall - NFE
Wall thickness from ... to ... in mm	200 - 500
Diameter core drilling min ... max ... in mm	299 - 303
Length complete system in mm	750
Length x width internal sealing element in mm	320 x 320
Diameter external sealing element in mm	400
Seal width external sealing element in mm	90
Internal diameter casing pipes in mm	68
External diameter casing pipes in mm	75
Internal diameter casing pipes NFE in mm	118
External diameter casing pipes NFE in mm	125
KRASO® BKP - wall - NFE	1,225 €

Scope of supply: KRASO® Builder's Convenience Box - wall - NFE including

- internal sealing element with 5 casing pipes for the installation of supply lines for heat pump, local, district or geothermal heating (supply and reflux), water, electricity and telecommunication incl. protection covers
- external sealing element
- installation instructions **KRASO® BKP - wall - NFE**
- installation kit including
 - **KRASO® BKP - wall - NFE - Sealing Insert** - 2 pcs. scope of application: 32, 40, 50, 75, 90, 110 mm or blind, optionally available: 125 mm
 - primary sealing + secondary sealing NFE
 - 2 x end plug NFE
 - 2 x hose connection 125/125

- **KRASO® BKP - Sealing Insert - electricity/water** - 2 pcs. with stepless onion ring technology 26 - 50 mm or blind
 - primary sealing + secondary sealing electricity/water
 - casing pipe end plugs including
 - end plug electricity/water - split -
 - hose connection 80
- **KRASO® BKP - Sealing Insert - telecommunication** - clamping range: 5 - 13 mm, 3 x 7 - 13 mm, 13 - 21 mm
 - primary sealing + secondary sealing telecommunication
 - casing pipe end plugs including:
 - end plug telecommunication - split -
 - hose connection 80

optionally available:

- **KRASO® BKP - wall - NFE - Extension Set**

Further wall thicknesses available on request!



Single utility connection
for buildings with basement



KRASO® Builder's Convenience Box
- wall - ESH
Check the installation video
(Just scan the QR code!)



KRASO® Builder's Convenience Box - wall - ESH

Convenient, safe, tight connection to the network – gas, water, electricity or telecommunication

- + Simple and safe single utility connection for new buildings or rehabilitation for buildings with basement
- + Flexible installation: gas, water, electricity or telecommunication – including installation / mounting set
- + Double installation possible: electricity and telecommunication!
- + DVGW-certified according to VP 601: complete system is gas- and water pressure tight up to 1 bar!
- + For core drilling and casing DN 100 (99 - 103 mm). For precast walls and in-situ concrete walls!
- + For wall thicknesses from 160 – 500 mm
- + Tight in waterproof concrete structures with stress class 1 (permanently or temporarily pressing water)
- + External sealing element with sealing flange according to DIN 18533! Seal width: 80 mm
- + Radon tightness IAF tested - according to FHRK leaflet MB 101! Resistant to methane gas!
- + Gas- and odour-tight – high-quality in terms of TA-Air!
- + Split end plugs for easy installation!
- + Including extension set
- + DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1 -E and W2.1 -E



KRASO® Builder's Convenience Box - wall - ESH **LG5**

(including installation set)

single utility connection for supply lines (gas, water, electricity or telecommunication) for buildings with basement, incl. extension set
 | DafStB waterproof concrete guideline: stress class 1 + 2, DIN 18533 W1 -E and W2.1 - E

Item	KRASO® BKP - wall - ESH
Wall thickness from ... to ... in mm	160 - 500
Diameter casing or core drilling min ... max ... in mm	99 - 103
Length complete system in mm	630
Length x width internal sealing element in mm	120 x 120
Seal width internal sealing element in mm	40
Diameter external sealing element with flange seal in mm	160
Seal width external sealing element with flange seal in mm	80
Internal diameter casing pipe in mm	68
External diameter casing pipe in mm	75
KRASO® BKP - wall - ESH	277 €

Scope of supply: KRASO® Builder's Convenience Box - wall - ESH including

- internal sealing element with pre-assembled casing pipe incl. protective cover for the installation of supply lines such as gas, water, electricity or telecommunication
 - external sealing element
 - installation instructions **KRASO® BKP - wall - ESH**
- **KRASO® BKP - wall - ESH - Extension Set** including
 - double sleeve DN 75
 - 2 x sealing ring
 - lubricant

as well as one of the following, optionally available installation kits or BKP gas installation kits:

- **KRASO® BKP - Sealing Insert - electricity/water**
 with stepless onion ring technology 26 - 50 mm or blind
 - primary sealing + secondary sealing electricity/water
 - casing pipe end plugs including:
 - end plug electricity/water - split -
 - hose connection 80
- **KRASO® BKP - Sealing Insert - telecommunication** -
 clamping range: 5 - 13 mm, 3 x 7 - 13 mm, 13 - 21 mm
 - primary sealing + secondary sealing telecommunication
 - casing pipe end plugs including:
 - end plug telecommunication - split -
 - hose connection 80

- **KRASO® BKP - Sealing Insert - electricity + telecommunication** -
 clamping range: electricity 25 - 36 mm /
 telecommunication 2 x 5 - 10 mm, 3 x 7 - 14 mm
 - primary sealing + secondary sealing electricity + telecommunication
 - casing pipe end plugs including:
 - end plug electricity + telecommunication
 - hose connection 80
 - a tube of lubricant

- Schuck DN 25 consists of primary and secondary sealing as well as gas end plug
- RMA DN 25 consists of primary and secondary sealing as well as gas end plug
- Voigt DN 25 consists of primary and secondary sealing as well as gas end plug
- Voigt DN 32 consists of primary and secondary sealing as well as gas end plug

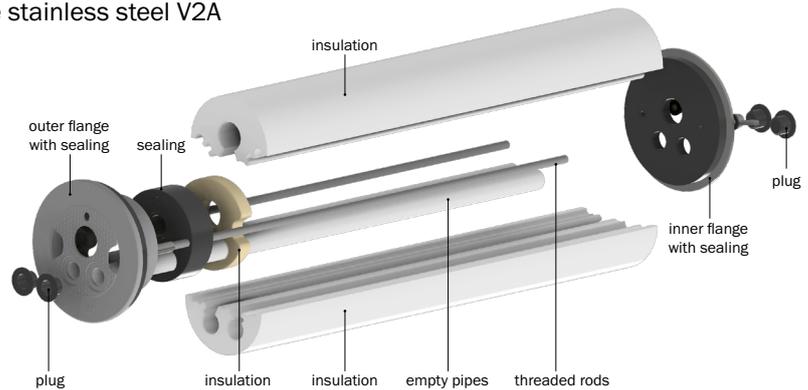
Further wall thicknesses available on request!



KRASO® WP-DUO

The above-ground heat pump connection

- + The fast and simple solution for the heat pump connection: air-to-water
- + Easy installation by one person freehand: core drillings of 100 mm each for supply and reflux
- + For all wall types (plaster, clinker, timber frame construction) and wall thicknesses up to 60 cm
- + Insulated system: avoids thermal bridges and fulfils the requirements of the German Building Energy Act (GEG), soundproof
- + Optionally extendable wall thickness
- + Protection against splash water and driving rain proof
- + Separate installation of supply and reflux, power lines and control cables
- + Metal components made of non-corrosive stainless steel V2A
- + Protection against bird picking
- + For new buildings and rehabilitation



KRASO® WP-DUO

heat pump connection universal, above-ground for supply or reflux as well as power lines and control cables

Item	KRASO® WP-DUO
Wall thickness in mm	from 50
Diameter core drilling min ... max ... in mm	99 - 103
External diameter in mm	140
Assignable diameters: electricity/control cables	2 x 0 - 16 mm
Diameter supply or reflux	1 x 0 or 22 - 30 mm
KRASO® WP-DUO - Set	479 €

Scope of supply: 2 pcs. KRASO® WP-DUO



KRASO® BKP - Sealing Inserts **LG 5**

installation kits for KRASO® Builder's Convenience Box - floor - **SET** and KRASO® Builder's Convenience Box - wall, wall - NFE and wall - ESH: electricity/water, telecommunication, electricity + telecommunication. Tested in accordance with DVGW!

Sealing Insert including		Casing pipe end plug (optional) including		
Primary sealing	Secondary sealing	End plug	Hose connection	
 <p>Primary sealing electricity/water for internal installation of the electricity cable or water pipeline. Clamping range: 26- 50 mm</p>	 <p>Secondary sealing electricity/water for internal installation of electricity cable or water pipeline</p>	 <p>End plug electricity/water - split - for external installation of electricity cable or water pipeline</p>	 <p>Hose connection 90/75 for KRASO® BKP - floor - SET for the connection with the casing pipe and fitting of the end plug for electricity/water - split -</p>	 <p>Hose connection 80 for KRASO® BKP - wall for the connection with the casing pipe and fitting of the end plug for electricity/water - split -</p>
 <p>Primary sealing telecommunication for internal installation of the telecommunication lines Clamping range: 5 - 13 mm 3 x 7 - 13 mm 13 - 21 mm</p>	 <p>Secondary sealing telecommunication for internal installation of telecommunication lines</p>	 <p>End plug telecommunication - split - for external installation of telecommunication lines</p>	 <p>Hose connection 90/75 for KRASO® BKP - floor - SET for the connection with the casing pipe and fitting of the end plug for telecommunication - split -</p>	 <p>Hose connection 80 for KRASO® BKP - wall for the connection with the casing pipe and fitting of the end plug for telecommunication - split -</p>
 <p>Primary sealing electricity + telecommunication for internal installation of the electricity- and telecommunication lines Clamping range: electricity 25 - 36 mm telecom. 2 x 5 - 10 mm 3 x 7 - 14 mm</p>	 <p>Secondary sealing electricity + telecommunication for internal installation of electricity- and telecommunication lines</p>	 <p>End plug electricity + telecommunication for external installation of electricity- and telecommunication lines</p>	 <p>Hose connection 90/75 for KRASO® BKP - floor - SET for the connection with the casing pipe and fitting of the end plug for electricity + telecommunication</p>	 <p>Hose connection 80 for KRASO® BKP - wall for the connection with the casing pipe and fitting of the end plug for electricity + telecommunication</p>
Item	- electricity/water -	- telecommunication -	- electricity + telecommunication -	
KRASO® BKP - Sealing Insert			54 €	
Casing pipe end plug (optional)			32 €	

Scope of supply: as an installation kit for electricity/water, telecommunication or electricity + telecommunication, KRASO® BKP - Sealing Insert, including primary sealing and secondary sealing, optionally available casing pipe end plugs including end plug and hose connection 90/80 (floor) or hose connection 80 (wall)



KRASO® BKP Floor Screed Insert **LG 5**

for KRASO® Builder's Convenience Box - floor - **SET** - 1- to 4-fold, with height fixation, protection foil and lubricant, adjustable height from 0 to 240 mm or 0 to 590 mm

Item	1-fold	2-fold	3-fold	4-fold
KRASO® BKP Floor Screed Insert (0 - 240 mm)	55 €	109 €	163 €	217 €
KRASO® BKP Floor Screed Insert (0 - 590 mm)	83 €	165 €	248 €	330 €

Scope of supply: KRASO® BKP Floor Screed Insert with height fixation, protection foil and lubricant

Further heights on request!



KRASO® BKP Gas Installation Kits **LG 5**

for anti-twist and tear-off protection of gas utility connections, according to DVGW VP 601, incl. primary and secondary sealing elements, gas end plug, lubricant and self-cutting screws



Item	KRASO® BKP Gas Installation Kit			
Gas utility connection	Schuck DN 25	RMA DN 25*	Voigt DN 25	Voigt DN 32
KRASO® BKP Gas Installation Kit	64 €	64 €	64 €	171 €

* For rigid and flexible designs

Scope of supply: KRASO® BKP Gas Installation Kit



KRASO® BKP - Extension Sets **LG 5**

for the extension of the casing pipes for water, electricity and telecommunication in **KRASO® Builder's Convenience Boxes** with a cable protection hose provided on-site

Item	KRASO® BKP - Extension Sets				
System KRASO® BKP - floor - SET	1-fold	2-fold	3-fold	4-fold	5-fold
KRASO® BKP - floor - SET - Extension Set	29 €	56 €	81 €	108 €	135 €
KRASO® BKP - wall - Extension Set	20 €				
KRASO® BKP - wall - NFE - Extension Set	104 €				

Scope of supply:

KRASO® BKP - floor - SET - Extension Set per system including 1 x hose connection 90 and 2 x shrink hose (DN 90 to DN 75) DN 75

KRASO® BKP - wall - Extension Set including 4 x double sleeve DN 75, 8 x sealing ring, lubricant

KRASO® BKP - wall - NFE - Extension Set including 6 x heat-shrink hose 95/25, 3 x adapter pipe DN 75

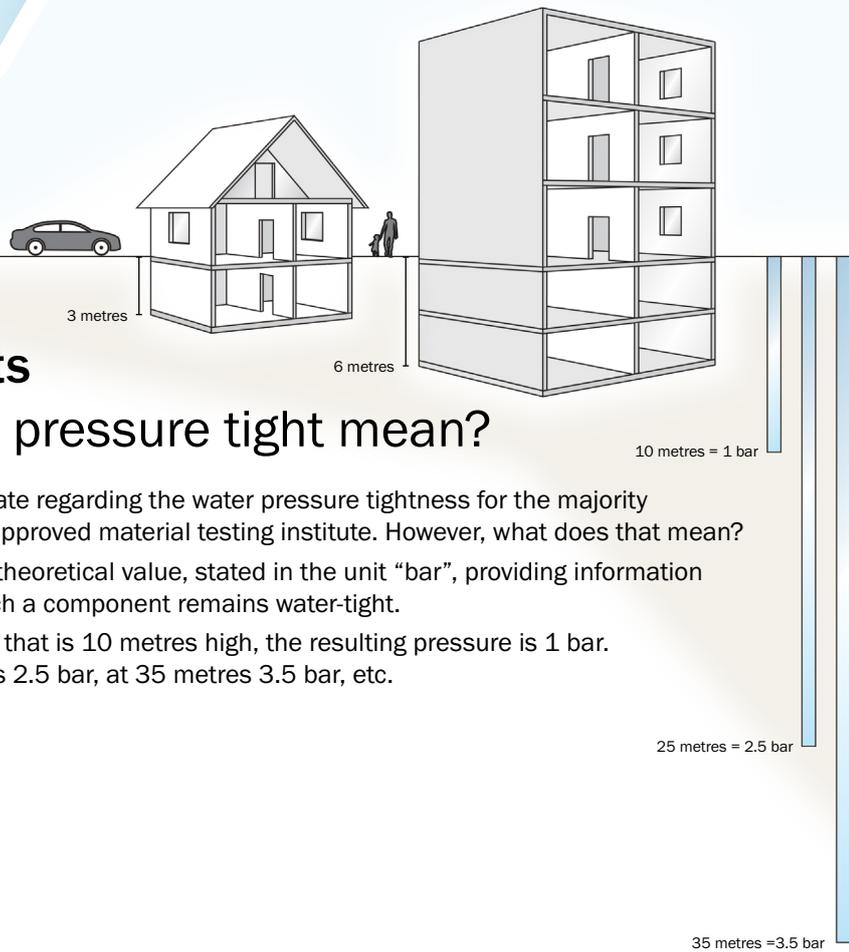


KRASO® FLS 90 - Flexible Empty Pipe System **LG 4**

flexible empty pipe system as a cable protective hose for the extension of the **KRASO® Builder's Convenience Box - floor - SET** using the **KRASO® BKP - Extension Set**, with a smooth interior for easy cable pulling, smooth exterior for optimal sealing, flexible, increased pressure and vacuum resistance, high axial resistance, resistant to alkalis and acids, resistant to brine and sea water, good UV and ozone resistance, gas-tight and liquid-tight, RoHS-compliant (Restriction of Hazardous Substances), compression resistance 629 N, tests in line with DIN EN 61386-24 lead to the following classifications: type 250 - impact resistance: normal - classification code: N250

Item	KRASO® FLS 90
InternalDiameter ID in mm	80
External diameter in mm	88
Bending radius in mm	200
Weight in kg/m approx.	1.5
Material thickness in mm	4
Compression resistance	629 N
Classification according to DIN EN 61386-24	N250 (reached test force F: 364 N)
Stock length in m	30
KRASO® FLS 90	23 € per metre
Cutting costs*	17 €

* Without discount



KRASO® Products

What does water pressure tight mean?

- + You may receive a test certificate regarding the water pressure tightness for the majority of our products issued by an approved material testing institute. However, what does that mean?
- + Water pressure tightness is a theoretical value, stated in the unit “bar”, providing information regarding the pressure at which a component remains water-tight.
- + With a so-called water column that is 10 metres high, the resulting pressure is 1 bar. At a height of 25 metres this is 2.5 bar, at 35 metres 3.5 bar, etc.



KRASO® Tender for your building project!

- + Free of charge and convenient: find tenders for **KRASO® Products** quickly and easily, including product images and installation situations! Also available as download for your digital tenders, allocation and billing: Word, Excel, PDF, RTF, TXT, GAEB, Datanorm 5, ÖNORM files
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