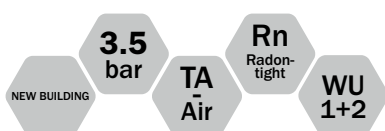




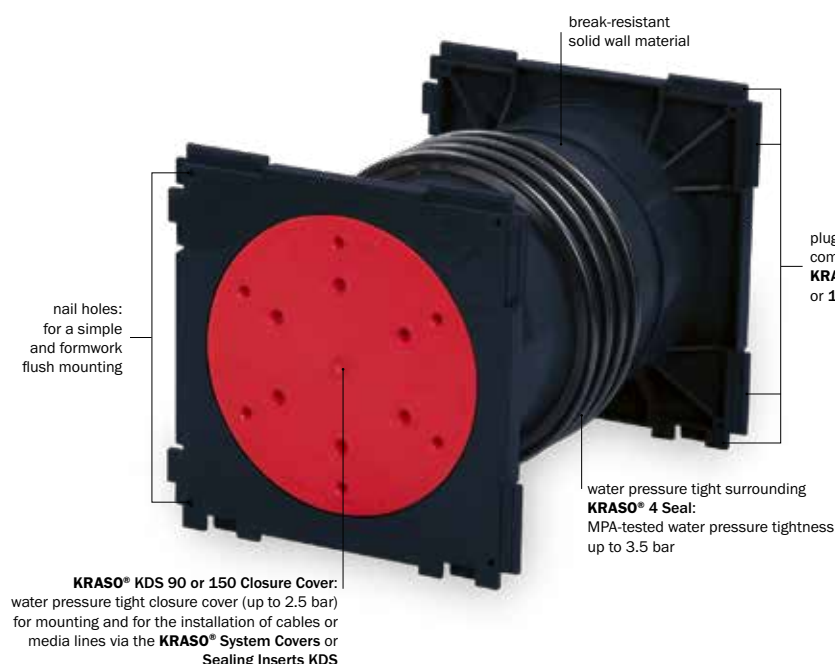
KRASO® Cable Penetration KDS
Check the installation video
(just scan the QR code!)



KRASO® Cable Penetration KDS

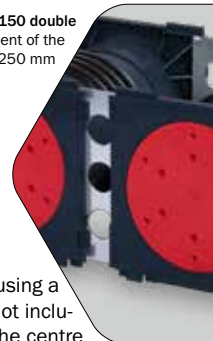
Compatible, tight, secure - the double wall penetration system

- + Compatible with all other current systems! Tight due to our water pressure tight **KRASO® 4 Seal!** Secure due to break-resistant solid wall material!
- + The intelligent, all-purpose and flexible cable penetration system for complex new buildings: public buildings, hospitals, technical-scientific institutions or in the industrial and commercial sector
- + Horizontal and vertical combination possible, installation at an angle of 45° with pre-installed clamps possible, also available for precast walls or as integration into the sealing of larger areas
- + The matching accessories for every purpose!
- + DafStB waterproof concrete guideline: stress class 1 + 2





KRASO® Spacer 40 mm for KDS 150 double wall penetration for the enlargement of the centre distance from 210 mm to 250 mm



KRASO® Cable Penetration KDS double wall penetration **LG 1**

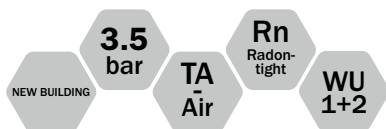
cable penetration system for concreting, with plug-in system on both sides for forming packages, for the later installation of media lines using a **KRASO® System Sealing Insert** (not included in the scope of supply) or for connecting empty pipe hoses using **KRASO® System Cover** (not included in the scope of supply). Optionally available: **KRASO® Spacer 40 mm for KDS 150 double wall penetration** for the enlargement of the centre distance from 210 mm to 250 mm | **DafStB waterproof concrete guideline: stress class 1 + 2**

Type / Item	KRASO® KDS double wall penetration											
Available standard wall thicknesses in cm	12	15	17.5	20	24	25	30	35	36.5	40	45	50
KRASO® KDS 90 double wall penetration	34 €											
KRASO® KDS 150 double wall penetration	39 €											
Surcharge per penetration: KRASO® Spacer 40 mm for KDS 150 double wall penetration	13 €											

Scope of supply: KRASO® Cable Penetration KDS 90 or 150 double wall penetration, 2 KDS closure covers •

Optionally available: **KRASO® Spacer 40 mm for KDS 150 double wall penetration**, factory-assembled

Further wall thicknesses available on request!



KRASO® Spacer 40 mm for KDS 150 single wall penetration for the enlargement of the centre distance from 210 mm to 250 mm



KRASO® Cable Penetration KDS single wall penetration **LG 1**

cable penetration system for concreting, with gas- and water pressure tight surrounding **KRASO® 4 Seal** and KDS closure covers, with plug-in system on one side for forming packages, for the later installation of media lines using a **KRASO® System Sealing Insert** (not included in the scope of supply) or for connecting empty pipe hoses using **KRASO® System Cover** (not included in the scope of supply). Optionally available: **KRASO® Spacer 40 mm for KDS 150 single wall penetration** for the enlargement of the centre distance from 210 mm to 250 mm | **DafStB waterproof concrete guideline: stress class 1 + 2**

Type / Item	KRASO® KDS single wall penetration													
Available standard wall thicknesses in cm	6 ^{1, 2}	7 ²	10 ²	15	17.5	20	24	25	30	35	36.5	40	45	50
KRASO® KDS 90 single wall penetration	29 €													
KRASO® KDS 150 single wall penetration	34 €													
Surcharge per penetration: KRASO® Spacer 40 mm for KDS 150 single wall penetration	9 €													

¹ Only for KRASO® Cable Penetration KDS 90 single wall penetration, ² For technical production reasons partly KRASO® 2 Seal

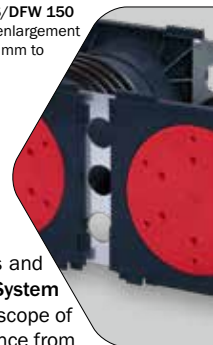
Scope of supply: KRASO® Cable Penetration KDS 90 or KDS 150 single wall penetration, KDS closure cover, **KRASO® Cover** as an installation aid

• Optionally available: **KRASO® Spacer 40 mm for KDS 150 single wall penetration**, factory-assembled

Further wall thicknesses available on request!



KRASO® Spacer 40 mm for KDS/DFW 150 double wall penetration for the enlargement of the centre distance from 210 mm to 250 mm



KRASO® Cable Penetration KDS/DFW double wall penetration **LG 1**

cable penetration system for installation into triple walls, with gas- and water pressure tight surrounding **KRASO® 2 Seal** on both sides and 2 KDS closure covers, with plug-in system on both sides for forming packages, for the later installation of media lines using a **KRASO® System Sealing Insert** (not included in the scope of supply) or for connecting empty pipe hoses using **KRASO® System Cover** (not included in the scope of supply). Optionally available: **KRASO® Spacer 40 mm for KDS/DFW 150 double wall penetration** for the enlargement of the centre distance from 210 mm to 250 mm | **DafStB waterproof concrete guideline: stress class 1 + 2**

Type / Item	KRASO® KDS/DFW double wall penetration										
Available standard wall thicknesses in cm	15	17.5	20	24	25	30	35	36.5	40	45	50
KRASO® KDS/DFW 90 double wall penetration	34 €										
KRASO® KDS/DFW 150 double wall penetration	39 €										
Surcharge per penetration: KRASO® Spacer 40 mm for KDS/DFW 150 double wall penetration	13 €										

Scope of supply: KRASO® Cable Penetration KDS/DFW 90 or KDS/DFW 150 double wall penetration, 2 KDS closure covers •

Optionally available: **KRASO® Spacer 40 mm for KDS/DFW 150 double wall penetration**, factory-assembled

Further wall thicknesses available on request!