



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/DFW single wall penetration **LG 1**

cable penetration system for installation into triple walls, with gas- and water pressure tight surrounding **KRASO® 2 Seal** on one side and KDS closure cover, 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/DFW 150 single wall penetration** for the enlargement of the centre distance from 210 mm to 250 mm

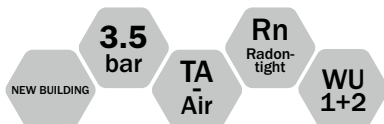
| DafStB waterproof concrete guideline: stress class 1 + 2

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

¹ Only for **KRASO® Cable Penetration KDS/DFW 90 single wall penetration**

Scope of supply: **KRASO® Cable Penetration KDS/DFW 90** or **KDS/DFW 150 single wall penetration**, KDS closure cover, **KRASO® Cover** as an installation aid • Optionally available: **KRASO® Spacer 40 mm for KDS/DFW 150 single wall penetration**, factory-assembled

Further wall thicknesses available on request!



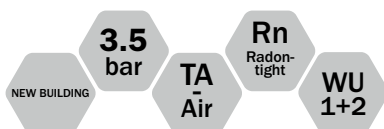
KRASO® Cable Penetration KDS 150 single wall penetration with plug-in sleeve **LG 1**

for later installation of cables or pipes using **KRASO® System Sealing Insert KDS 150** (not included in the scope of supply) or **KRASO® System Cover KDS 150** (not included in the scope of supply), with water pressure tight surrounding **KRASO® 4 Seal**, with plug-in system on one side for forming packages, one side with plug-in sleeve including connection for KG, HT or KG 2000 pipes DN 160 | **DafStB waterproof concrete guideline: stress class 1 + 2**

Type / Item	KRASO® KDS 150 single wall penetration with plug-in sleeve								
Available standard wall thicknesses in cm	20	24	25	30	35	36.5	40	45	50
KRASO® KDS 150 single wall penetration with plug-in sleeve	48 €								

Scope of supply: **KRASO® Cable Penetration KDS 150 single wall penetration with plug-in sleeve**, KDS 150 closure cover and **KRASO® Cover** as an installation aid

Further wall thicknesses available on request!



KRASO® Cable Penetration KDS 150 single wall penetration with hose connection **LG 1**

for later installation of cables or pipes using **KRASO® System Sealing Insert KDS 150** (not included in the scope of supply) or **KRASO® System Cover KDS 150** (not included in the scope of supply), with water pressure tight surrounding **KRASO® 4 Seal**, with plug-in system on one side for forming packages, one side with hose connection e.g. for **KRASO® FLS - Flexible Empty Pipe System**

| DafStB waterproof concrete guideline: stress class 1 + 2

Type / Item	KRASO® KDS 150 single wall penetration with hose connection
Available standard wall thicknesses in cm	30
KRASO® KDS 150 single wall penetration with hose connection 110	113 €
KRASO® KDS 150 single wall penetration with hose connection 160	117 €

Scope of supply: **KRASO® Cable Penetration KDS 150 single wall penetration with hose connection**

Further wall thicknesses available on request!