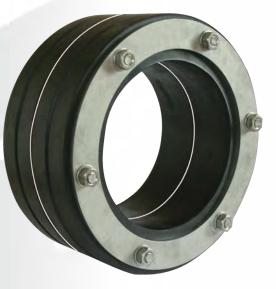
## Wall Penetration Seal Type KFW

for Pre-Insulated pipes in District Heating and Cooling Systems







- for flexible and PE-jacket pre-insulated pipe systems from OD 61 to OD 534 mm pipe tolerances in accordance with EN 253 and the ovality of coiled bundles
- special dimensions upon request
- EPDM sealing available with 1x40 mm and 2x40 mm thickness
- extra soft EPDM rubber allows low tightening torque with low danger of pipe deformation
- MFPA certified up to 5 bar pressure
- individual dimensions possible
- small protrusion of the rubber on the inside allows low pipe movements and distortion whilst at full function

## **Application guide**

- 1. clean casing pipe/core bore and pipe
- 2. check diameter of the casing pipe/core bore diameter and carrier pipe with the information on the sealing kit
- 3. insert seal into the wall and lead carrier pipe through, mount sealing kit on the outside of the building with the nuts inside for later re-tightening
- 4. tighten with a torque wrench according to table below

## **Special recommendation**

- it is highly advisable to coat the core holes with epoxy in order to protect the concrete and smoothen out any cavities or grooves
- carrier pipes must be centered and supported
- for retro fitting split KFW seals are available

Max. tightening torque / Nm		
Screw size	Standard pipes	For thin wall plastic pipes
M 6	5 Nm	5 Nm
M 8	10 Nm for Standard, Standard split version	8 Nm for Standard, Standard split version
	20 Nm for Individual	15 Nm for Individual
M 10	30 Nm	22 Nm
M 12	36 Nm	26 Nm



KFW-Rings 2 x 40 mm Rubber with 2 x 16 mm extra holes including reducing insert and blind plug



KFW-Rings 1 x 40 mm Rubber with 2 x 16 mm extra holes including reducing insert and blind plug

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