

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



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

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