

FGFA

UltraGrip Flange Adaptor

FRIAGRIP is the same as UltraGrip.

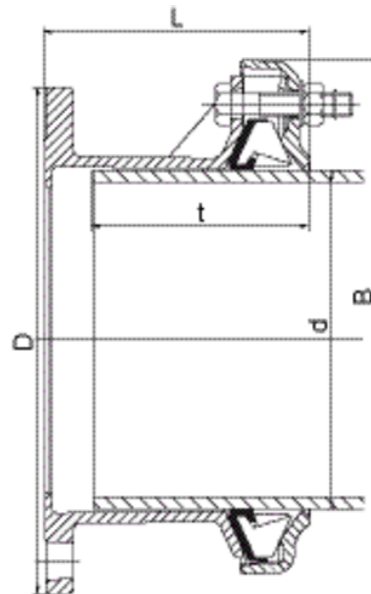
Restrained flange adapter for connecting pipes made of different materials (steel, cast iron, ductile cast iron, asbestos cement, PVC, PE-HD/PEX) in civil engineering.

- Housing and follower-ring made of ductile iron (EN-GS-450-10)
- Corrosion protection Rilsan (min. 250 µm according to GSK)
- One gripping system for all pipe materials gripping segment made of acetal, corundum coated
- Sealing material EPDM or NBR
- Diameter range depending on size up to max. 54 mm
- Stainless steel or galvanized screws and nuts
- Angular deflection of 4 degrees
- Flange connection dimensions according to DIN EN1092, PN 10 and PN 16

A notice:

When used on PE-HD/PEX pipes, our inner support sleeve SHVA is required.

When used on AZ pipes, restrained cannot be entirely ensured.



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Areas of application

FRIAGRIP coupling FGK as a restrained coupling¹ for pipes made of different materials (steel, cast iron, ductile iron, fiber cement², PVC³, PE-HD/PEX⁴). Available from DN 40 to DN 600+.

FRIAGRIP components can only be used in buried areas

Processing instructions

FRIAGRIP, restrained couplings for connections without without abutments (exception: asbestos cement pipes).

The pipe ends must be prepared in accordance with the general installation requirements (see FRIAGRIP installation instructions).

The insertion depths $t_{min.}/t_{max.}$ must be strictly observed.

¹ Restrained; water: \leq DN 300 PN 16, $>$ DN 300 PN10 / restrained: \leq DN 400 PN 5.

² Restrained cannot be guaranteed for asbestos cement pipes

³ For application on PVC gas pipes, see FRIAGRIP Technical Information. For PVC pipes with wall thicknesses $<$ DIN 8061/62 - PN 10, use the FRIAGRIP support liners (type FRIATEC Mod. SHVA).

For application on stainless steel pipes, see FRIAGRIP Technical Information.

⁴ When used with PE-HD/PEX pipes, the FRIAGRIP support liners

Good reasons for FRIAGRIP

- Working in Pipe Trenches reduced to a minimum (no abutments required for directional changes)
- The components are delivered pre-assembled at the factory, thus no conversion and replacement work is required on site
- One gasket-package and one gripping segment for the pipe materials steel, cast iron, ductile iron, fiber cement, PVC, PE-HD/PEX.
- Gasket and gripping system operate independently of each other. This ensures a reliable seal under dynamic axial loads.
- Specially profiled gasket ensures full seal even on scored and corroded pipes.
- Deflection of the pipes up to 8° (coupling) or 4° (flange adapter).
- In case of pipe breakage, axial misalignment can be compensated by installing two couplings. The couplings act like a joint and keep the pipe stress-free
- Simple installation with standard tools
- One torque for all pipe materials
- Repeated checking of the tightening torque of the bolts not necessary
- The tolerance range of up to 54 mm allows different pipe materials to be connected to one FRIAGRIP-Size, therefore reduced stock-keeping necessary