

Questionnaire on the Structural Sizing of Pipelines for Rehabilitation with Lining and Assembly Procedures in Accordance with DWA A-143-2; M-127-2

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Your details

Project: _____

Company: _____ Contact person: _____

Street: _____ Town/ZIP: _____

Phone no.: _____ E-mail: _____

Liner pipe

Circular cross section: d_a _____ [mm] Ovoid cross section: H/W _____ [mm]

Pipe material: _____ Service temperature: _____ [°C]

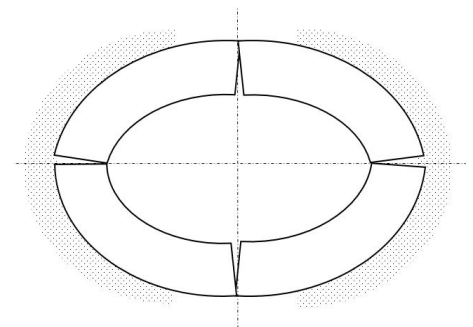
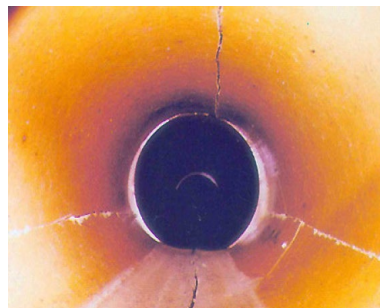
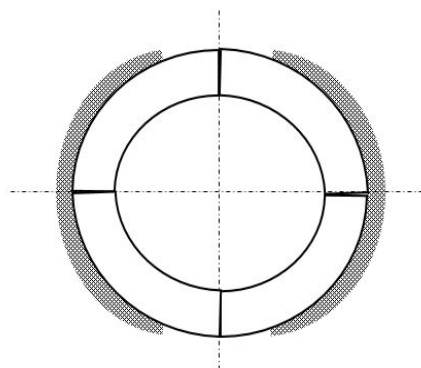
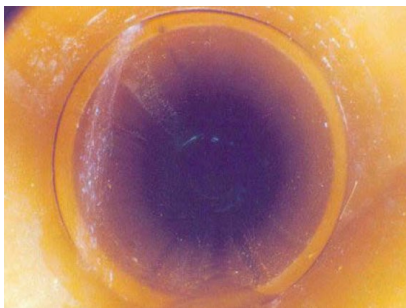
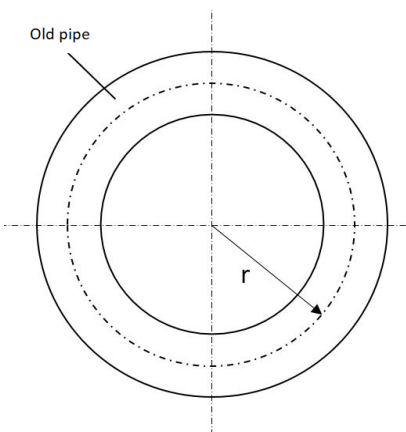
Wall thickness: e _____ [mm] Medium: _____

Old pipe

Old pipe condition I
(old pipe load-bearing on its own; e.g. leaks in pipe joints, no cracks, except hairline cracks)

Old pipe condition II
(old pipe/soil system load-bearing on its own; e.g. longitudinal cracks with minimal pipe deformation and verification of functioning lateral bedding. Confirmed, e.g. by long-term observation and/or drop-penetration testing)

Old pipe condition III
(pipe/soil system no longer load-bearing on its own in the long term; distinct deformations; compared with old pipe condition II the liner is also subjected to soil loads and live loads)



Geometry: Circular profile, inside diameter: d_i _____ [mm]

Ovoid cross section acc. to DIN Height: H _____ [mm] Width: B _____ [mm]

Material of old pipe: _____ Wall thickness: e _____ [mm]

Laying conditions

Annular space grouting: No Yes No Yes
 *No additional details required
 *Please fill in additional details

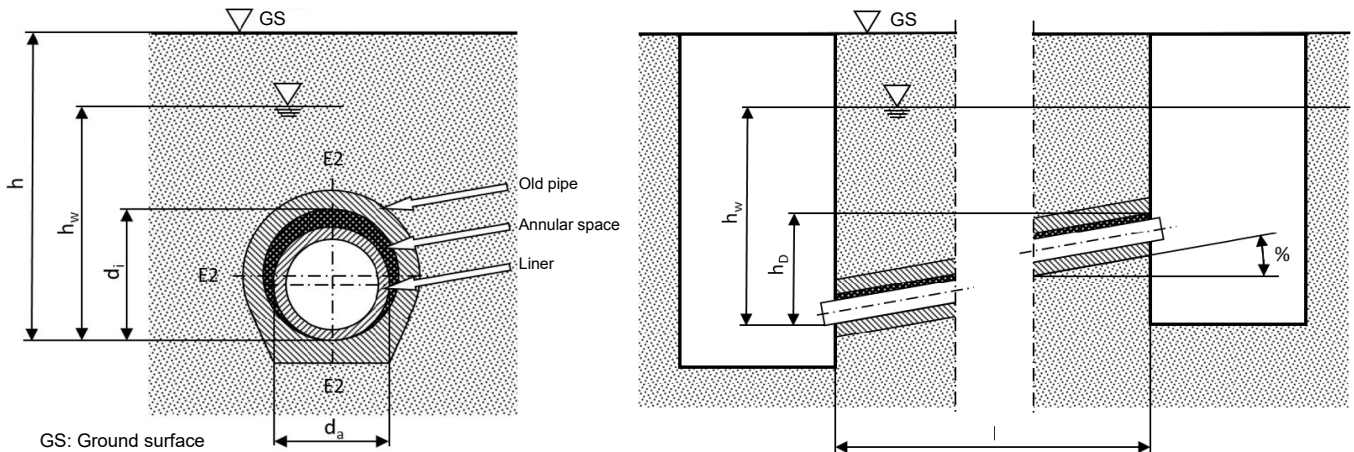
Cover height: h min. _____ [mm] max. _____ [mm]

Pipe zone E2: Soil group: G _____ Proctor density: D_{Pr} _____ [%]

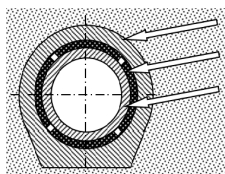
G1: non-cohesive soils (GE, GW, GI, SE, SW, SI)
 G2: slightly cohesive soils (GU, GT, SU, ST)

G3: cohesive mixed soils, silt (GU*, GT*, SU*, ST*, UL, UM)
 G4: cohesive soils (TL, TM, TA, OU, OT, OH, OK, UA)

DIN
18196

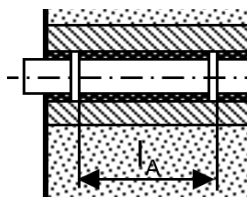


*Additional details



Straight sect. lgth: l _____ [m] Gradient: _____ [%]

Water filling of liner: No filling
 Partial filling _____ [%] at straight section centre
 Full pipe _____ [mm] above pipe crown



Additional weight in the liner (e.g. iron chain): _____ [N/m]

Length between spacers: l_A _____ [mm]

Planned spec. weight of insulation: _____ [kN/m³]

column above crown: h_D _____ [mm]

Live loads

Trucks 12t Trucks 30t Trucks 60t LM1 No live load

freie Angabe: _____

Groundwater above pipe bottom

Non-existent

Existent, with min. _____ [mm] max. _____ [mm] ground water h_w above pipe bottom

Please enclose any other information required for calculation separately!

Place, date: _____

Signature: _____