

Sewer inspection shafts with double bottom



Double bottom of shafts with polyurethane filling for greater resistance to hydrostatic pressure.

The shafts are suitable for up to 5 m of groundwater.

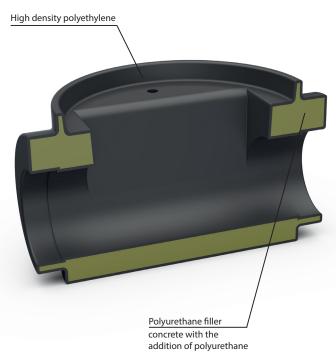
SEWAGE INSPECTION SHAFTS 5G

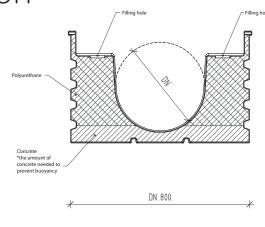
Advantages of double bottom shafts:

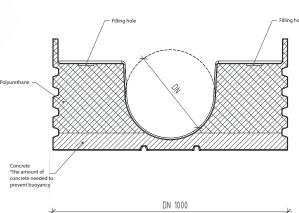
- The bottom of the shafts with double wall (outer bottom wall of the shafts and inner wall troughs).
- Outer bottom wall prevents deformation of the troughs of the shaft.
- Intermediate space between the outer wall of the bottom of the shafts and the trough is filled with polyurethane foam.
- Polyurethane foam essentially increases the resistance of the bottom to hydrostatic pressure and thus prevent deformation of the trough.
- Upon request, the space between the outer wall of the bottom of the shaft and the kinet can be partially filled with concrete (according to the request from the project and with the addition of the hydrostatic calculation that we provide for this type of PE shaft).
- Installation of shafts is possible as standard up to a depth of 6 m in areas with high groundwater (up to max. 5 m).
- Great stability when placing shafts in a construction pit because of the flat bottom of the shafts.
- A simple subtype and consolidating of the shafts with backfill material due to the flat design of the bottom.
- The combination of inlet connections easily adapts to the needs of the project.
- Possibility of making additional connections to the bottom of the shafts.
- The shaft trough is perfectly smooth and dimensionally-adjusted to inlet-outlet connections.

The body of the inspection shafts can be made of reinforced rotoliv rings or of ribbed PE / PP pipes (SN 4 or SN 8).

5G shaft bottom cross section







TECHNICAL DATA

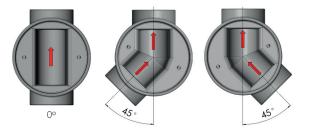
5G DN 625, 800, 1000 inspection shafts

Material: polyethylene and polypropylene. Inner diameters of the shafts: 625, 800, 1000.

Diameters of sewer pipes connections:

- > Shafts DN 625
- Standard input and output connections:
 Ø200, Ø250, Ø300 or blind connectors
- > Shafts DN 800
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 Ø200, Ø250, Ø300, Ø400 or blind connectors
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 Ø200, Ø250, Ø300, Ø400 or blind connectors

Basic types of troughs:



Combinations of input connectors:



Possibility of making additional connections on the perimeter of the shafts:

 od Ø 63 to Ø 200 by means of an inlet seal KS or LKS; larger diameters are welded.

Minimum height: 0,5 m.

Maximum height: 6,0 m or by agreement.

Easy height adjustment.

Ensuring the tightness of the connection of shaft elements.

Connection pipes:

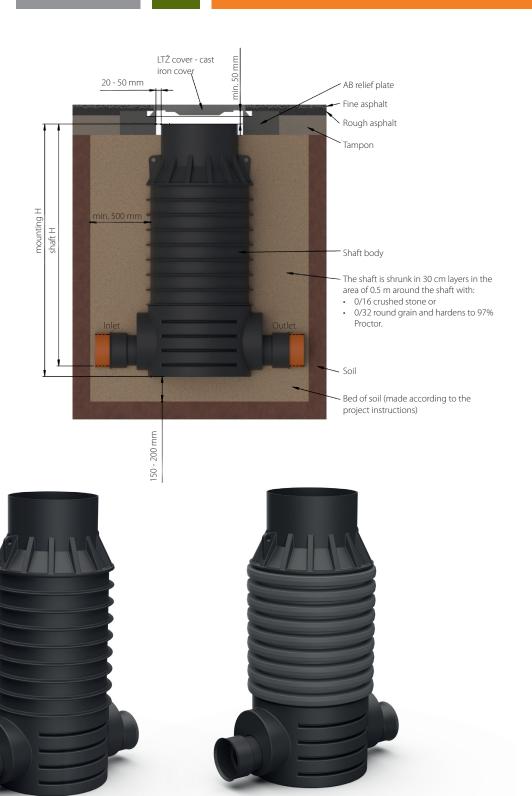
- PVC- smooth pipes
- PE-smooth and ribbed pipes
- PP-smooth and ribbed pipes
- all other sewer pipes (ductile, polyester, AC and AB pipes, etc.)



Standard inlet-outlet connections at the bottom of 5G shafts:

	DN 625					DN 800				DN 1000			
Inlet Outlet	160	200	250	300	400	200	250	300	400	200	250	300	400
160	•	•	•										
200	•	•	•			•				•			
250	•	•	•			•	•			•	•		
300		•	•	•		•	•	•		•	•	•	
400	•	•	•	•	•	•	•	•	•	•	•	•	•

INSTALLATION OF 5G INSPECTION SHAFT IN ROADS





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