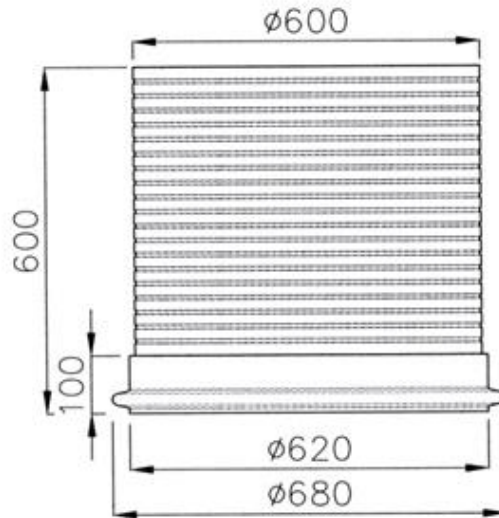


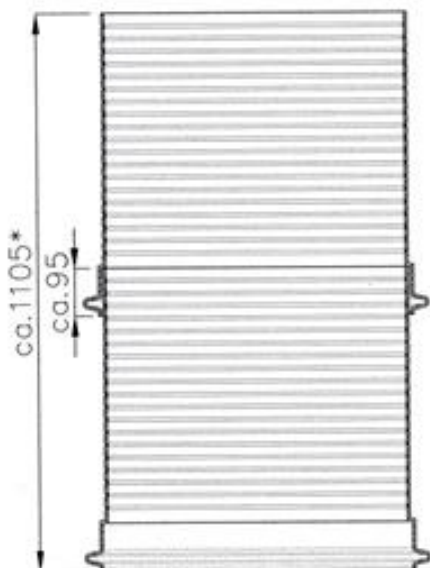
Assembly and Installation Instructions Spacer ring

1. Measurements

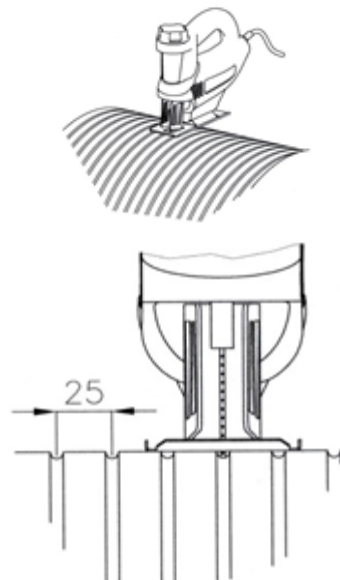
1.1 Standard measurements



1.2 Extension



1.3 Shortening



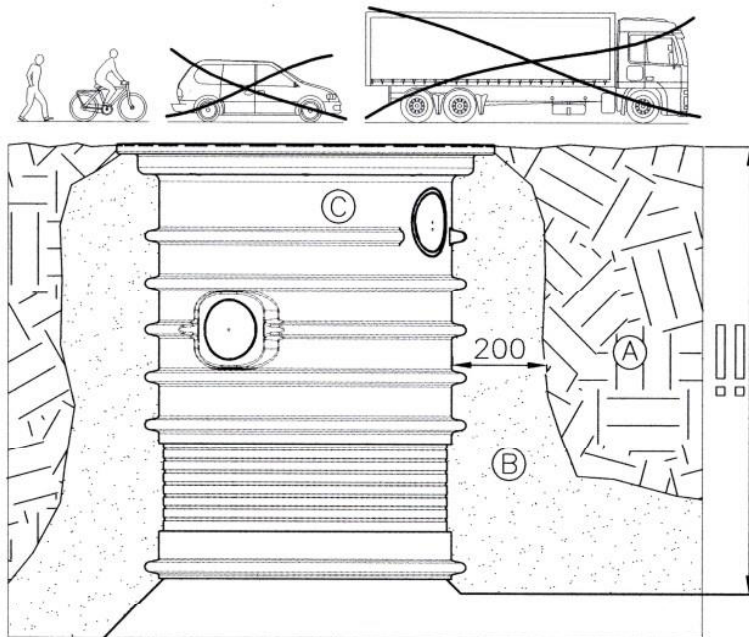
Extension is possible.

* Size may be shortened by cutting the spacer ring . by jigsaw, handsaw or similar

2. Installation, examples

Note: During the installation distortion of the spacer ring must be avoided, e.g. by pulling over and gradually pushing up on the shaft.

2.1 Installation in walk on version systems.



A: Excavation, when stable and permeable

B: Filling material:

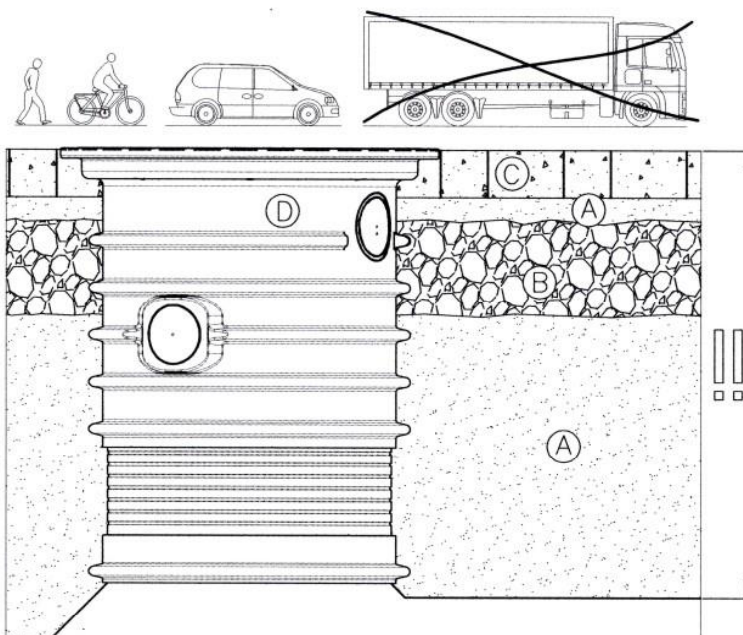
- well compactable, free from sharp objects, permeable
- backfilling must be well compacted: wide staged granulation spectrum up to 32 (e.g. 0/32, 2/12 or similar)
- only a minimal amount of clay and silt, no sharp objects

C: VS 60 or VS 20

!!: Consider max. installation depth (often 1500 mm) of the container type !!

A and B: Processing: Compact in single layers of 100 mm with hand stamper (approx. 15 kg) (no machine usage)

2.2 Installation in car drivable systems



A:Filling material:

- well compactable, free from sharp objects, permeable
- backfilling must be well compacted: wide staged granulation spectrum up to 32 (e.g. 0/32, 2/12 or similar)
- only a minimal amount of clay and silt, no sharp objects

B: Base layer (approx. 200 mm thick) of gravel, e.g. chalk 2/45 or similar

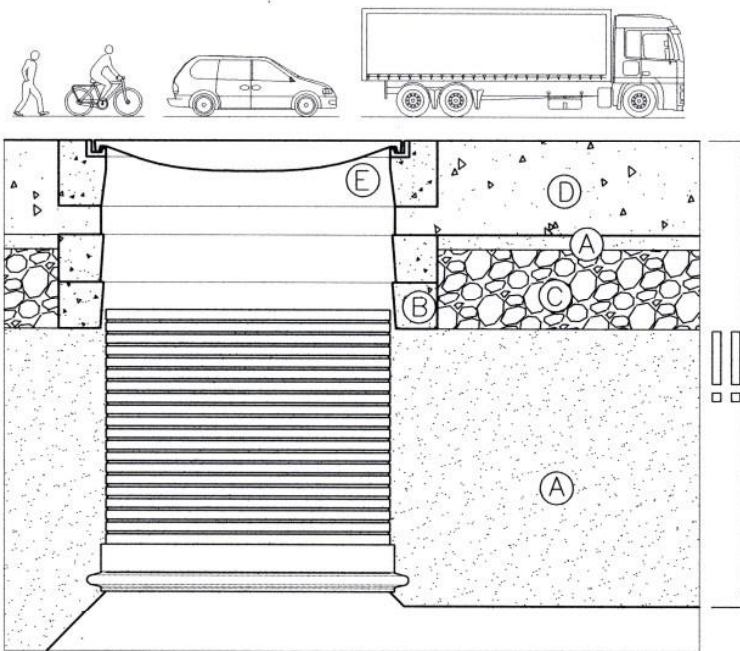
C: Layer of the traffic area, e.g. composite pavement

D: BS 60

!!: Consider max. installation depth (often 1500 mm) and the minimal coverage height (600 mm) of the container type !!

A and B: Processing: Compact in single layers of 100 mm with hand stamper (approx. 15 kg) (no machine usage); 3 passes per layer

2.3 Installation in lorry drivable (up to SLW30) systems



A: Filling material:

- well compactable, free from sharp objects, permeable
- backfilling must be well compacted: wide staged granulation spectrum up to 32 (e.g. 0/32, 2/12 or similar)
- only a minimal amount of clay and silt, no sharp objects

B: Concrete rings without traction to the spacer ring

C: Base layer (approx. 200 mm thick) of gravel, e.g. 2/45 or similar

D: Layer of the traffic area, e.g. concrete

E: Shaft coverage and frame class D400

!!: Consider max. installation depth (often 1500 mm) and the minimal cover height (800 mm) of the container type !!

A and C: Processing: Compact in single layers of 100 mm with hand stamper (approx. 15 kg) (no machine usage); 3 passes per layer

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Planning and installation regulations are to be followed, as well as the accident prevention regulation

Notizen / Notes