

## PE-HD Inspection and Flushing Chamber in Pickaback Arrangement for Traffic Route Engineering



### MULTI-*inspect* DUO

- Combined connection of carrier pipes and drainage pipes in pickaback arrangement
- Monolithic chamber basic body, body internal dimension > 900mm
- Size range: DN150 to DN600
- Full-length even-level flow channel
- Ideal for use in small laying depths
- Chamber riser pipe DU600
- Easy access to pipeline for inspection and flushing
- Suitable for SLW 60 classified roads

**Complying with all requirements in road construction**

# HEGLER

Corrugated and Twin Wall Pipes of Plastics



# Inspection and Flushing Chamber MULTI-*inspect* DUO

## MULTI-*inspect* DUO system setup

The MULTI-*inspect* DUO inspection and flushing chamber is made from PE-HD in one piece (monolithic basic body). With the excellent impact resistance of PE-HD, cracks and rupture in the chamber are prevented, even at low temperatures down to -25 °C. The MULTI-*inspect* DUO chamber is designed as pickaback solution for connection of a carrier pipe at the bottom and a drainage pipe sitting above.

MULTI-*inspect* DUO is available as straight-way chamber (180°) with a full-length even-level flow channel and in special designs (offset, with additional lateral inlet or as starting/end chamber in a line).

## Connection of pipe systems

The basic body features integral socket ends on both sides for a carrier pipeline in the size range up to DN600. By means of the available reducing connectors pipes of smaller sizes (DN150 to DN350) can be connected as well. The drainage pipe of DN150 is joined directly. The special way of interlocking between the reducing connectors and the basic body ensures tensile and twist-proof joining with the connected pipe systems. Assembly errors are excluded! A full-length even-level flow channel is guaranteed with all pipe sizes.

## Chamber accessory

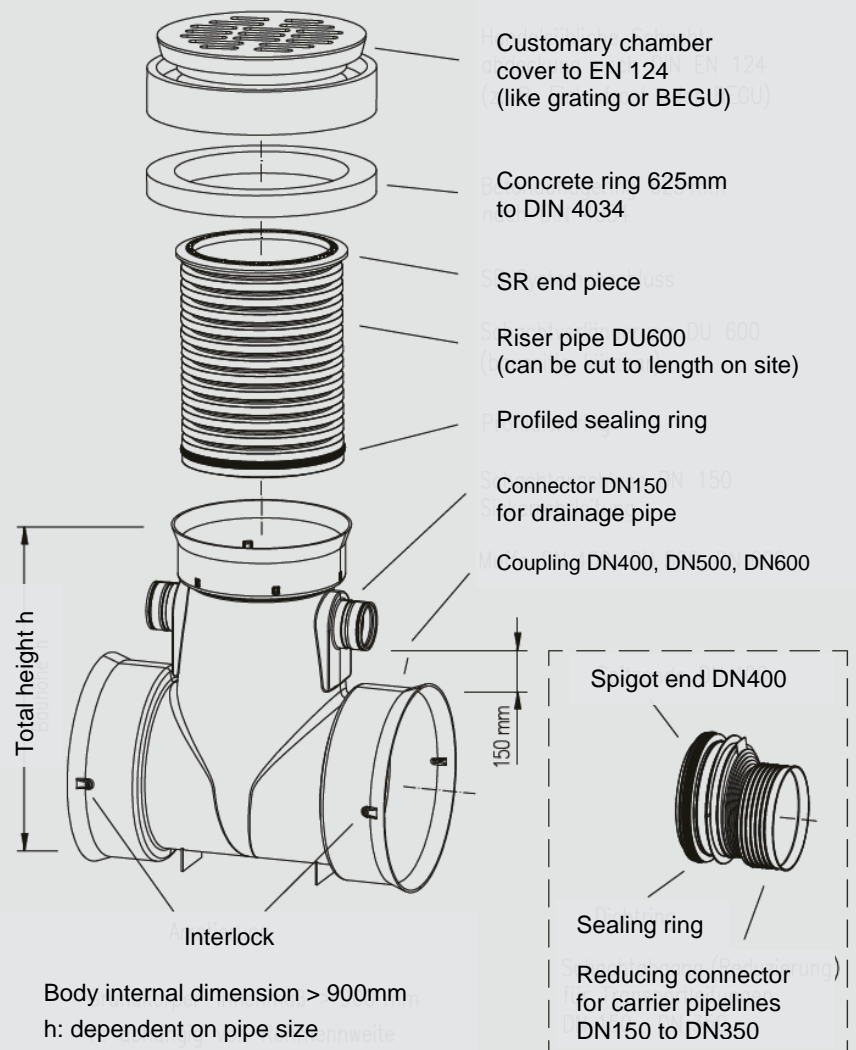
The riser pipe (extension) can be shortened, or elongated by extension pieces, to any length required. The chamber matches customary chamber covers, closed or gratings, of classes A 15, B 125 and D 400 to EN 124. Irrespective of the length of the riser pipe, loads up to traffic load class SLW 60 are distributed via a top concrete ring to the bearing layer. The settlement cams provided in the coupler accommodating the riser pipe provide additional security in preventing damages to the basic body, should excessive forces occur during the building phase. The riser pipe is fitted with an SR end piece ensuring professional transition to the applied cover/concrete ring.

## SYSTEM ADVANTAGES

- Pickaback arrangement with 15cm clearance between pipelines
- Body internal dimension > 900mm
- Full-length even-level flow channel
- Tensile interlock of reducing connectors (patent applied for)
- For a size range of 150mm to 600mm pipes
- Suitable for SLW 60 classified roads
- Low weight
- High impact resistance (PE-HD)
- Resistance to chemicals to DIN 8075
- Customary chamber covers to EN 124 (625mm)



## MULTI-*inspect*-DUO





# for Drainage and Carrier Pipe Lines in Pickaback Arrangement

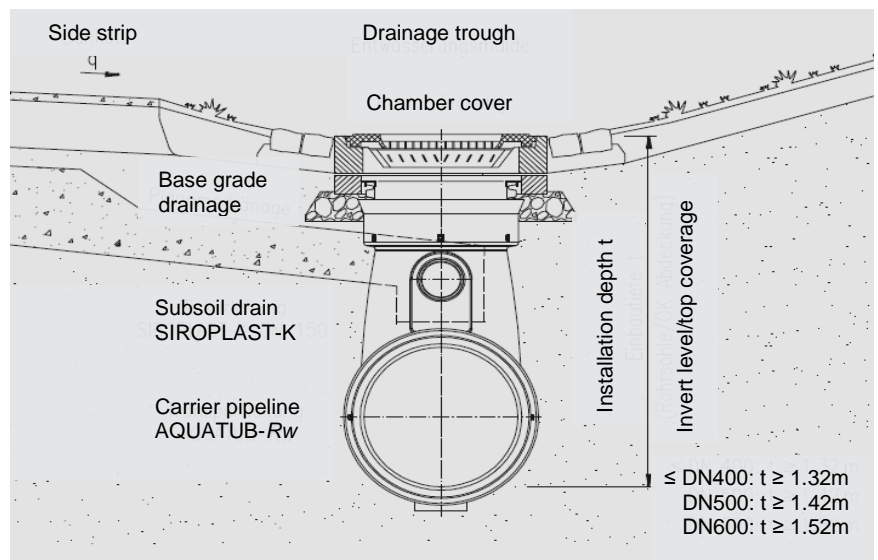


## Use in traffic route engineering

In order to avoid damages to the road construction in the long run, it is necessary to collect and professionally discharge any seepage water occurring in the road body and its border areas, in addition to discharging the surface water via the carrier pipeline.

For areas where this is not permitted/cannot reliably be achieved in a multi-purpose pipeline, water collection and discharge may be managed in two separate pipe systems (carrier pipeline: AQUATUB-Rw; subsoil drain: SIROPLAST-K).

For this, the arrangement of the pipes in a pickaback layout is an optimum solution from the practical and cost-efficient point of view. With the HEGLER MULTI-*inspect* DUO chamber the standard distance between the top pipe, i.e. the 150mm drainage pipe SIROPLAST-K, and the carrier pipeline AQUATUB-Rw is 15cm. The riser pipe (chamber extension) grants access to both pipe systems to allow inspection and flushing by conventional inspection equipment.



### Inspection chamber in pickaback arrangement:

Example for use as inspection chamber in pickaback arrangement in road drainage with storm water sewer pipes AQUATUB-Rw and drainage pipes SIROPLAST-K

### MULTI-*inspect* DUO

- Inspection and flushing chamber for drainage and carrier pipelines in pickaback arrangement
- Application as inspection chamber or inlet chamber in drainage troughs



Attention should be paid to the structural analysis and the manufacturer's installation instructions.

# System Accessory MULTI-*inspect* DUO

## Important:

- If possible, MULTI-*inspect* DUO chambers should be transported and stored on site in the original stillage. They should always be stored on an even and smooth surface.
- Continuous support at the given gradient must be provided in the pipe trench. The supporting layer of 10cm must consist of sand/gravel. Local depressions should be provided at joints so that the couplings do not initially rest on the support.
- Joints should be made using the recommended lubricant.
- Embedding has to be performed in accordance with EN 1610 with the use of bedding material that is suited for carrier and drainage pipelines.
- Chambers should be surrounded by a sand/gravel layer ( $d \geq 20\text{cm}$ ). The bedding material should be compacted in layers.
- The MULTI-*inspect* DUO chamber can be used with customary chamber covers to EN 124 (e.g. BEGU tops or 625 mm gratings).

The information given in this brochure is the most up-to-date available and is intended to provide information on our products and their possible applications. It is not a guarantee of certain features or of their suitability for certain specific applications. Our guarantee applies to compliance with our specifications, within the scope of our General Terms and Conditions. The current edition supersedes any former versions. Subject to change.

## Chamber system and accessory

MULTI- <i>inspect</i> DUO (pickaback arrangement)	Item No.
Chamber basic body of PE-HD, straight-way version with 2 outlets 180°, for connection of AQUATUB- <i>Rw</i> storm water sewer pipes up to DN600 and SIROPLAST-K drainage pipes DN150 in pickaback arrangement 2 outlets DN300* 2 outlets DN400 2 outlets DN500 2 outlets DN600	7053120 7053100 7053150 7053160
Chamber basic body of PE-HD, starting/end version with 1 outlet, for connection of AQUATUB- <i>Rw</i> storm water sewer pipes up to DN600 and SIROPLAST-K drainage pipes DN150 in pickaback arrangement 1 outlet DN300* 1 outlet DN400 1 outlet DN500 1 outlet DN600	7053122 7053102 7053152 7053162
Chamber basic body of PE-HD, with 2 outlets in offset design, for connection of AQUATUB- <i>Rw</i> storm water sewer pipes up to DN600 and SIROPLAST-K drainage pipes DN150; angle of offset tailored to customer's request 2 outlets DN300* 2 outlets DN400 2 outlets DN500 2 outlets DN600	7053128 7053108 7053158 7053168
Chamber basic body of PE-HD, with 2 outlets and lateral inlet, or outlets of different sizes, for connection of AQUATUB- <i>Rw</i> storm water sewer pipes up to DN600 and SIROPLAST-K drainage pipes DN150 project-specific	
Reducing connectors for connection of AQUATUB- <i>Rw</i> storm water sewer pipes DN150 DN200 DN250 DN300 DN350	7058415 7058420 7058425 7058430 7058435
Sealing ring for reducing connector (drainage pipe)	7058400
Profiled sealing ring for reducing connector (storm water sewer pipe)	7058401
Riser pipe (l = 100cm) (l = 300cm)	7057700 7057702
Profiled sealing ring for riser pipe	7057501
Coupling for riser pipe	7057500
SR end piece of system followed by chamber cover (625mm) to EN 124)	7057502

\* with reduction

**Note:** The system can be used with customary chamber covers (625mm) to EN 124.

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