

Systematic Pipe Rehabilitation



**Compact Pipe Branch Connection
CP-ZA 2012**



house connection line - in go innovative with



CP-ZA2012 Installation plant for top-hat profile

Supervision of the positioning process from the control desk



CP test section

The product

The new CP-ZA 2012 top-hat profile has been developed by Diringer & Scheidel in common with the manufacturer of the compact pipe. It is a system supplementing the compact pipe method used so far for the renovation of pipelines. The top-hat profile consists of a flexible resin impregnated textile hose and a HDPE brim with an applied heating spiral and special sealing elements.

The field of application

The CP-ZA 2012 is a method for a subsequent connection of branches without excavation. The top-hat profile connects pipes and branches in pressure-less pipelines, which have been renovated with a HDPE liner. With a length of up to 40 cm (15.75") it overlaps the first sleeve in the connecting sewer or the house connection line. The CP-ZA 2012 can be used for inlets with nominal diameters from DN 100 to DN 200 and for main sewers from DN 250 to DN 500.

The installation

With the aid of positioning robots, the top-hat profile is installed from the main sewer with nominal diameters DN 200 to DN 500 in the connecting sewer or the house service line and forms a force-fit and close-fit connection. At the installation point the HDPE brim is pressed against the pipe wall with the preset pressure and

Good condition? well-adapted technology



Positioning device with top-hat profile for PE pipes before the installation



ProKASRO CP top-hat positioning device



Top-hat positioning device with extended balloon

aligned with the compact pipe material by means of a heating spiral while maintaining the determined heating parameters. All the parameters of systemic importance are documented. The flexible hose, which is close-fitting to the HDPE brim, is impregnated with a resin and inverted into

the connecting pipe by means of a flexible balloon. The laminate is then (cold) cured by ambient temperature. The result, achieved after the curing of the flexible hose, is a leak-proof connection. This method also allows the realisation of connections not joining at right angles.

The advantages

The result of the renovation of house service lines with the CP-ZA 2012 procedure is a leak-proof connection preventing water from flowing between the rehabilitation and the old pipe. Low construction costs thanks to a short construction period as well as a construction progress without any important residence nuisance and impairment of the road traffic.



- BlueLine Procedure
- Burst Lining
- Cement Mortar Lining
- Compact Pipe
- CP-ZA 2012-Top-Hat Profile
- DS-CityLiner
- DS - Hose Relining
- DynTec (close-fit-lining)
- Flexoren Relining
- House and Industry Liner
- Installation Procedures/ Large Profile Rehabilitation
- KA-TE Robotics
- Manual Rehabilitation
- Partial In-Liner
- Pipe Relining (long pipe, short pipe and pipe run)
- Polyester Liner
- Superheated Steam Liner
- UV Liner
- and other procedures

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