

Short pipe relining

In the short pipe relining procedures individual "stiff" pipes are lifted up and put into an insertion device then thrust in tact into the reach of canal that has to be rehabilitated.

The pipes are either made of GFK, PVC oder PEHD and manufactured especially for each renovation. The use of the system is possible for both Circular and egg-shaped profile.

A starting construction ditch must be excavated for the insertion device and it has to be adequately secured.

The connection of the separate pipes is performed in the starting construction ditch (in special cases it is done in the reach of canal being rehabilitated)

If there is PE-HD inliner piping on both sides of the ditch, the line of piping can be joined by means of welding necks with steel lapped flanges. If their nominal widths are small, it is also possible to make the connection with electric welding pipe fittings.

Straub® couplings can be used to unite the pipelines when the inliners on both sides are made of glass.

The length in straight lines amounts to 150 m. The curves and the bends up to 3D in the pipes can be mastered by the mobility in the couplings.

At the pipe panels appears an extreme friction, so that the moveable length in the pipe gets accordingly shortened.

By the necessity, that the maximum moveable outside diameter must be smaller than the smallest pipe section, a gap, which is normally filled.

The binding to the pipe ensues by special components, which are reconciled with the respective pipe materials.

