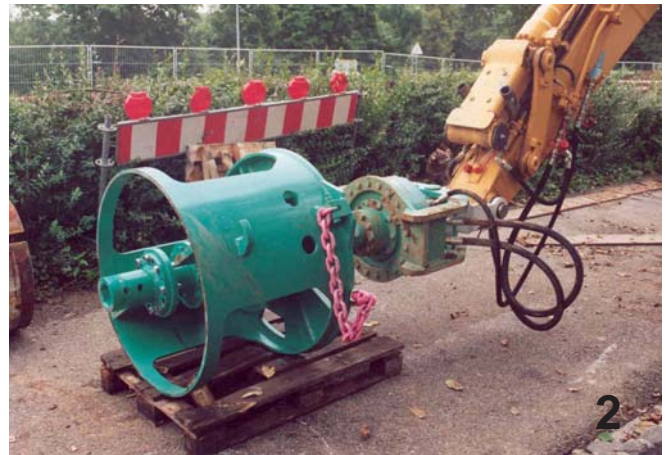


Casing Twister

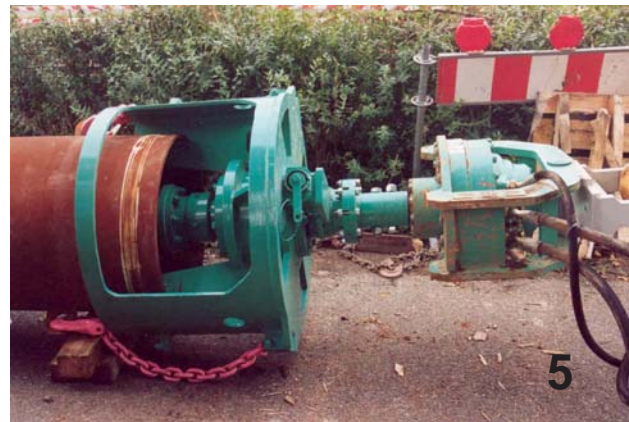
- free suspended with universal joint



Pictures 1 and 2: Casing twister mounted on standard excavator – the universal joint enables coupling the auger drive with casing and auger string when laying on the ground.



Picture 3: The auger is connected to the hexagon joint with the casing twister.



Picture 4: The auger and casing are brought together.

Picture 5: Pitching chains are hooked in the strap of the casing.

Picture 6: Lifting casing including inside auger with the excavator kinematic.

Picture 7: Positioning of the tools (e. g. using a pattern).





Picture 8: Drilling process.

Picture 9: The spoil is discharged through openings on the casing twister.

Picture 10: Retracting the auger filled with the spoil.

Now a reinforcement can be placed and the excavation concreted. Afterwards the casing is retracted using the casing twister.

Casing Twister

- mast guided with universal joint



The auger and casing are brought together.



Pictures 1- 3: Lifting of the tools using the universal joint.



Picture 4: Positioning and drilling.

Picture 5: The spoil is discharged through openings on the casing twister.

Picture 6: Cleaning up the casing while retracting the auger.



Now a reinforcement can be placed and the excavation concreted. Afterwards the casing is retracted using the casing twister.