

Directional Rod Pusher TERRA-JACK 125



TERRA-JACK 125 lays house connection for gas

The Authorities of the German city Krefeld („Stadtwerke Krefeld“) offer their customers a modern safe gas energy supply. The Directional Rod Pusher TERRA-JACK 125 lays house connections trenchless and protects the surface (garden, terrace, etc.). Only the pits for the connection of the house connections must be opened.



IMD Infrastrukturanlagen und Montagdienstleistung GmbH is a contractor for infrastructure underground pipe and cable networks. They operate all over Germany. As a partner of the Stadtwerke Krefeld they use the TERRA-JACK 125 for trenchless directional rod pushing for house connections. The TERRA-JACK 125 closes the gap between underground piercing tools (moles) and HDD machines. It is ideal for narrow space within cities. For this pipe laying project in Krefeld a HDPE pipe OD 50 mm (2") was laid over a length of 23 m (75 ft). The new pipe had to be laid parallel to an existing water line, it crossed two telecom cables in the pavement. The pilot bore was done precise and fast by exact steering and safe locating. The new pipe was pulled in rapidly with an expander cone \varnothing 75 mm (3"). This trenchless method protected the garden and the



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The working pit is prepared. The 4 m (13 ft) long safety mat protects the operator from electrical strikes, even if he touches the pit wall.

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The TERRA-JACK 125 is installed in the working pit. A temporary seat is installed at its left end.



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The hydraulic power pack and the rods are prepared. The power pack has an electric starter and an optional oil cooler.



This house connection was laid trenchless over a length of 23 m (75 ft).

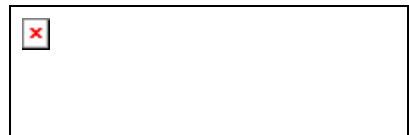


Petrol is filled into the tank of the power pack.



The electro hydraulic valve with cable remote control and hydraulic hoses is installed. The remote control operates the TERRA-JACK.

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The locating system Digitrak F2 locates the pilot bore. The receiver is placed over the drill trace.



The monitor (display) of the locating system Digitrak F2 shows the operator at the TERRA-JACK the exact path of the pilot bore.



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The drill head reaches the arrival pit right on target.



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The HDPE pipe OD 50 mm (2") is prepared for the pipe pulling. The expander star and the expander cone Ø 75 mm (3") are assembled.



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The expander star Ø 75 mm (3") loosens the ground. The expander cone 75 mm (3") displaces the bore canal.



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The new HDPE pipe OD 50 mm (2") is pulled in. The house connection can be connected.

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