

DrillTec 

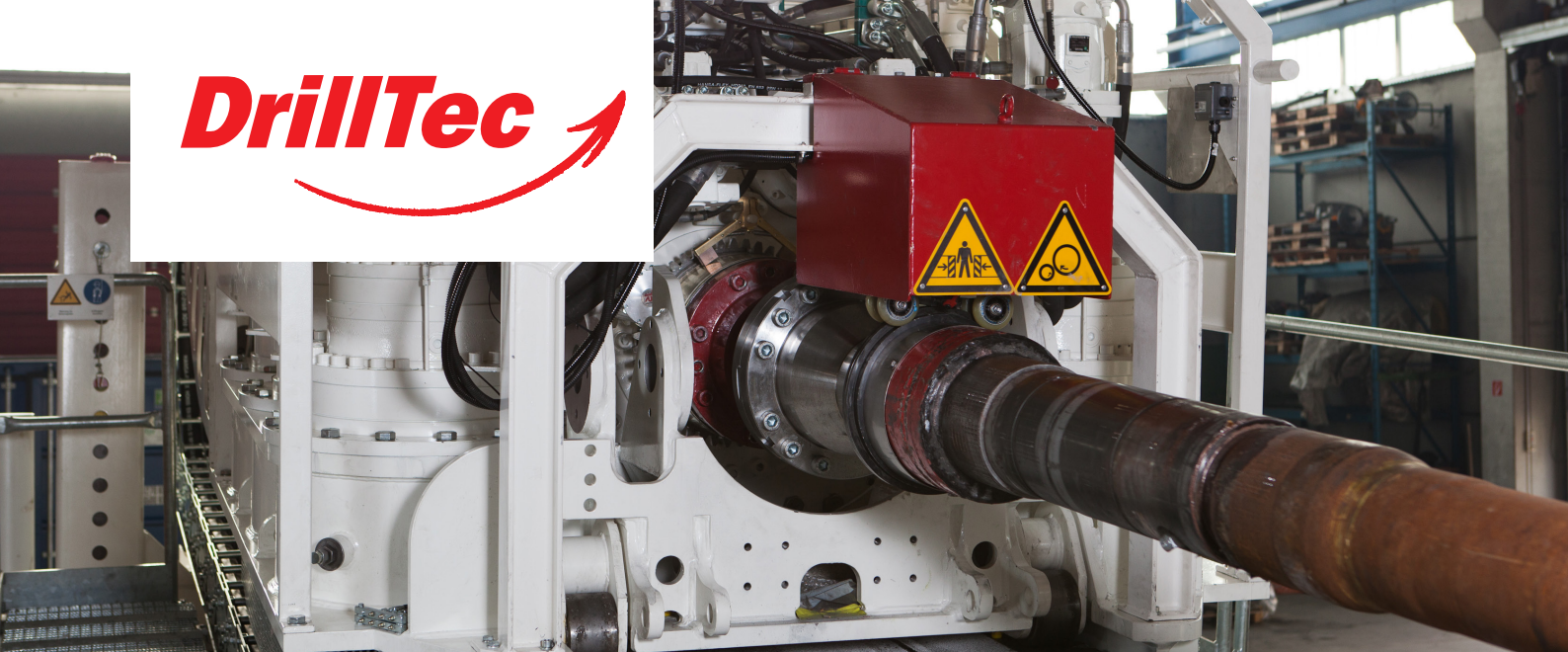


HORIZONTAL DIRECTIONAL DRILLING

DRILLING UNIT HDD 350.6
EXPLOSION PROOF
2011 SERIES

www.drilltec.de

 **STREICHER Group**



Drilling Unit HDD 350.6 (2011 Series)

The Drilling Unit, tailor-made for HDD and Slanted Drilling applications, comprises three components: the HDD Rig, the Hydraulic Power Pack and the Steering Container. All single components are explosion proof according to 94/9/EG („ATEX“), Zone 1 and were manufactured by MAX STREICHER GmbH & Co. KG aA; Year of Manufacture 2011. Additionally the drilling rig is equipped with an upper remote and a lower kelly cock.

The upper section of the rig mainframe can be interchanged with a Pipe Thruster Unit that is available for separate purchase.

The Pipe Thruster can be used for pulling or pushing pipe into a horizontally drilled borehole. Further details are available upon request.

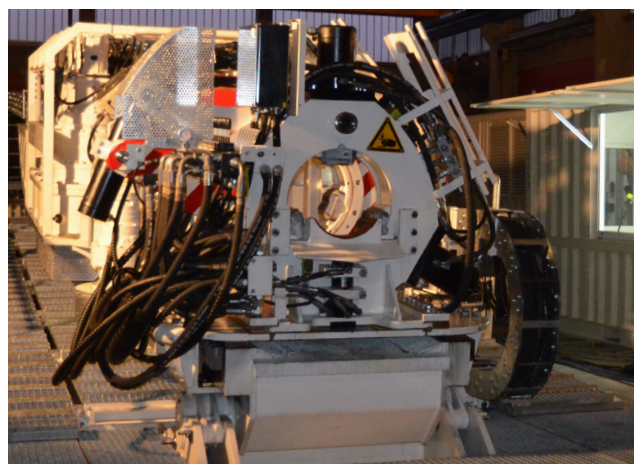
HDD Rig

Weights and Dimensions:

- Mainframe/Rack Length: 18 m
- Working Stroke Length: 13 m
- Mainframe Weight: 45,500 kg
 - Front section: 15,500 kg
 - Rear section: 30,000 kg

Technical Details:

- Carriage Travel: Rack and pinion
- Max. Push/Pull Force: 3,500 kN
- Max. Push/Pull Travel: 30 m/min
- Max. Torque: 96,000 Nm
- Max. Rotation: 90 rpm
- Setup Angle: Variable between 5°-20°;
- Breakout Unit: Rack stand is hydraulically driven
max. breakout torque 205,000 Nm
Opening 450 mm
Capable of travelling entire rack length
- Transport: Mainframe is separable with front and rear sections fitting into two 40' open-top containers
- 40' Container Weight: 29,000 kg front section with additional equipment packed
- 40' Container Weight: 34,200 kg rear section
- Carriage Calibration: Forces and torque readings can be inspected and configured



Topdrive with hydraulic breakout unit



Hydraulic rear outriggers



Hydraulic Power Pack PP350

Weights and Dimensions:

- Length: 6,058 mm
- Height: 2,896 mm
- Width: 2,438 mm
- Weight: 21,200 kg

Technical Details:

- Diesel engine Caterpillar, Type C 27, rated power 783 kW at 1,800 rpm
- Hydraulic pump for rotation:
 - max. pressure 350 bar, max. flow 900 l/min, closed loop
- Hydraulic pump for push/pull:
 - max. pressure 350 bar, max. flow 900 l/min, closed loop
- Hydraulic pump for break out/make up tong and auxiliary functions:
 - max. pressure 270 bar, max. flow 130 l/min, open loop
- Hydraulic feed pumps for rotation and push/pull:
 - max. pressure 20 bar, flow each 180 l/min
- Hydraulic pump for fan drive:
 - max. pressure 210 bar, flow 115 l/min
- Hydraulic filter system high pressure filters for open loops, feed filters, reverse-flow filters and air dryers; all filters with contamination indicator
- Hydraulic tank capacity 2,250 l with heating and leakage monitoring of the entire hydraulic system if required
- Diesel tank capacity: 1,300 l
- Cooling system automatically controlled
- 20' CSC shipping container with noise insulation on walls and roof, noise absorption installed on air inlets and outlets

Control Cabin

Weights and Dimensions:

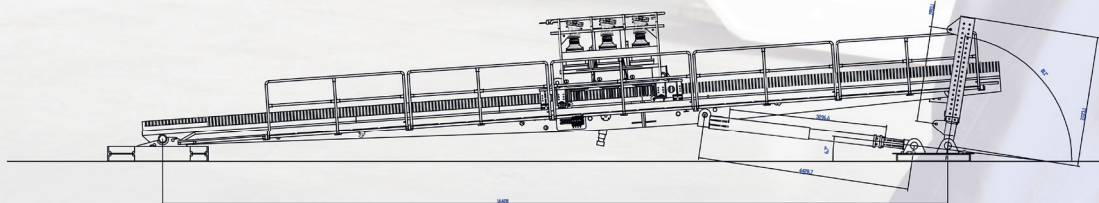
- Length: 6,058 mm
- Height: 2,591 mm
- Width: 2,438 mm
- Weight: 8,000 kg

Technical Details:

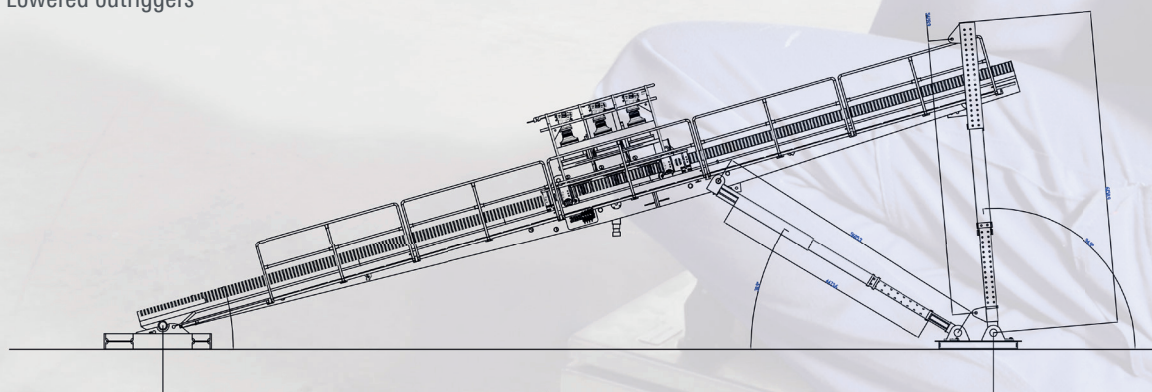
- Interior layout: insulation, heater, air conditioner, vandal-proof
- Data acquisition/control: precise, sensitive control of all functions; limits for push/pull forces and torque can be set and adjusted separately for each direction
- Data-logger: records and stores all operational data and alarms/errors
- Drilling logs include the electronic recording of push/pull forces and torque
- Remote data transmission; auto driller
- Large windows for 180° all around view



Hydraulic Rear Outriggers (side view)



Lowered outriggers



HDD Unit operational with ascended outriggers