

HK250T

# ALLROUNDER RIG



## Horizontal Directional Drilling – Allrounder Rig HK250T

- › Trailer enables quick and easy transportation on the roads
- › Fast positioning on jobsite with truck
- › Build and designed together with experienced drillers
- › Cost- and time-saving assembly on the jobsite
- › Quick error detection using self-diagnostic routines and data loggers
- › High-quality components
- › Made in Germany
- › Worldwide service and support

**PIONEERING  
UNDERGROUND  
TECHNOLOGIES**



# Horizontal Directional Drilling – Allrounder Rig HK250T

## Technical specifications



Drilling: hydraulic supports for angle adjustment of the rig.



Transport: compact design to fulfill conditions for special transportations.



Breakout Unit: completely movable open wrench with energy chain and equipped with cameras for improved view.

### HK250T

#### Rig

- › Installed power: 70 kW (630 hp)
- › Power transmission: Rack & Pinion
- › Drilling angle: 7.5° – 15°
- › Drill pipe length: 9,800 mm (~32 ft (range 2))
- › Pipe support system on mast: 2

#### Carriage system

- › Max. carriage pull force: 2,500 kN (560,000 lbs)
- › Variable traveling speed:  
0 m/min – 35 m/min (0 ft/min – 115 ft/min)
- › Max. travel distance: 11,500 mm (37.7 ft)

#### Rotary drive

- › Variable rotation speed left/right: 0 rpm – 69 rpm
- › Max. torque: 90,000 Nm (66,380 ft-lb)
- › Drive shaft adjustment: 150 mm (6 inch)

#### Breakout unit

- › Self-adjusting clamp grip range:  
114 mm – 305 mm (4.5 inch – 12 inch)
- › Max. breakout torque: 190,000 Nm (140,135 ft-lb)
- › Max. make up torque: 130,000 Nm (95,880 ft-lb)
- › Traveling distance: 11,500 mm (37.7 ft)

#### Trailer

- › Installed axles: 2
- › King pin: 51 mm (2 inch)

#### Transport dimensions

- › Dimension (l/w/h): 15,800 mm / 2,550 mm / 3,650 mm  
(51.84 ft / 8.34 ft / 11.97 ft)
- › Total weight of the equipment: 29,000 kg (63,930 lbs)

### POWER PACK

- › Installed power: 470 kW (630 hp)
- › Nominal speed: 2,100 rpm
- › Fuel tank: 1,200 l (317 US gallons)
- › Hydraulic oil tank: 700 l (185 US gallons)
- › Noise protection (7 m distance): 80 dB (A)
- › Working environment: -10° C – 45° C (14° F – 113° F)
- › Dimension (l/w/h): 6,060 mm / 2,440 mm / 2,590 mm  
20 ft / 8 ft / 8.5 ft
- › Gross shipping weight: 10,000 kg (22,046 lbs)
- › Transport: 20 ft container

### CONTROL CABIN

- › Control system: Siemens Soft PLC/Profibus
- › Visualization: 17" touch-screen monitor
- › Data logger: yes
- › Air condition: yes
- › Heating: yes
- › Dimension 10 ft container (l/w/h):  
3,030 mm / 2,440 mm / 2,590 mm (10 ft / 8 ft / 8.5 ft)
- › Net shipping weight: 4,000 kg (8,818 lbs)
- › Dimension 20 ft container (l/w/h):  
6,060 mm / 2,440 mm / 2,590 mm (20 ft / 8 ft / 8.5 ft)
- › Net shipping weight: 5,000 kg (11,023 lbs)



Control Cabin: ergonomic rig operator seat with joysticks, touch screen monitor and more optional indicating instruments.



Power Pack: noise isolated 20 ft container with 3 doors for easy maintenance.