

SKT-54 Downhole Tractor



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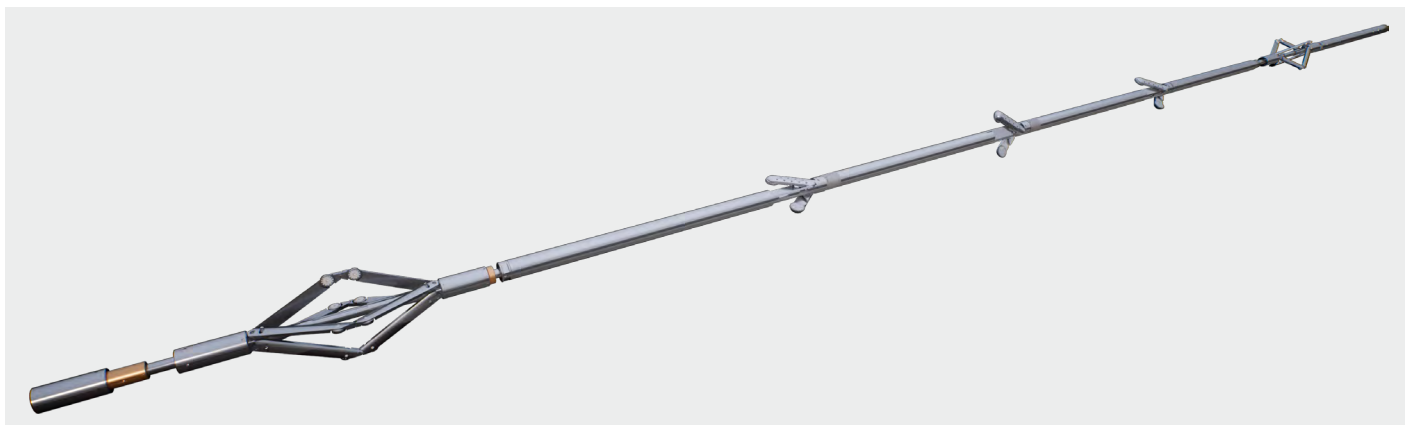


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Downhole Tractor



Wheel Pair



Centering Skid



Basic Functionality

The Downhole Tractor is designed for the delivery of devices, geophysical and technological equipment to the horizontal section of oil, gas and water wells.

Additional Functionality

- Temperature registration in the range from 0 to 150 °C
- Pressure registration in the range from 0 to 600 MPa
- Well elements registration (location of couplings)
- Ensuring the transmission of data from geophysical instruments while simultaneously tracing the assembly

Surface Unit



Technical Characteristics

Parameter	SKT-54-120	SKT-54-150
Max temperature in the well	≤+120°C	≤+150°C
Max pressure in the well	≤60 MPa	≤80 MPa
Max diameter of the Downhole Tractor body	≤54 mm	
Min diameter for the passage	≥64 mm	
Max diameter for the passage	≥220 mm	
Max motion speed	400 m/h	
Supply voltage of the surface unit	~220 V	
Max power consumption	≤5 kW	
Contraflow	yes	
Cable type for the connection	KG 3x0,75	
Cross section of the transit current-conducting strands / quantity	0,5 mm² / 1 piece	

2 Wheel Pairs

Tractive force and max motion speed

V = 400 m/h

F_T = 200 kgt



Minimal and maximal length of the Downhole Tractor*

6.8 meters

10.6 meters

3 Wheel Pairs

Nominal operation mode (long lasting)

V = 400 m/h

F_T = 400 kgt



Minimal and maximal length of the Downhole Tractor*

9.2 meters

13 meters

4 Wheel Pairs

Nominal operation mode (long lasting)

V = 400 m/h

F_T = 600 kgt



Minimal and maximal length of the Downhole Tractor*

11.6 meters

15.4 meters

* — Depending on the configuration