

# **FORWARD**



## **OUNCE WELL OS 10 HORIZONTAL DIRECTIONAL DRILL RIG**

OS10 Horizontal Directional Drilling Rig is developed by Forward Group and based on the Asian market.

The whole machine is made of high-quality hydraulic components, hydraulic drive with huge power, imported from Europe and United States Brand.

This machine is equipped with a variety of security and protective measures, which makes construction process safer and more reliable.

Further more, the rotating operating plate gives a great aid to operator comfort and efficiency.

OS10 Horizontal Directional Drilling Rig is mainly used for crossing road, railways, buildings, rivers, heritage sites specially protected natural areas and places that cannot be excavated.

It is also used for several of pipe laying in the fields of water supply, gas, electricity, communications, natural gas, oil etc.



## **OUNCE WELL**

### **FORWARD GROUP**

Head Office

420081, Russia, Kazan city,  
Kamaleev avenue, 26/12  
Tel: +7 ( 843 ) 590 25 25

### **Factory**

FORWARD Heavy Industrial Machinery Co.,Ltd.

Address: 99#, New East Rod,  
Lianyungang Economic and Technological Development Zone  
Lianyungang city, Jiangsu province, China, 222000  
Tel: +86 518 81089618/+86 518 81089818  
E-mail: [info@forwardrill.com](mailto:info@forwardrill.com)

## OUNCE WELL OS 10 HORIZONTAL DIRECTIONAL DRILL RIG

### Main Technical Characteristics

Diesel Engine			
Model	Cummins 4BTA5.9–C80		
Power	60 Kw		
Rotation			
Gears			2
	Low Speed	Speed of Rotation	60 RPM
		Torque of Spindle	3 400 Nm
	High Speed	Speed of Rotation	120 RPM
		Torque of Spindle	1 700 Nm
Thrust and Pullback			
Move Speed			2
	Low Speed	Force of Thrust	100 KN
		Force of Pullback	100 KN
	High Speed	Force of Thrust	50 KN
		Force of Pullback	50 KN
Other Parameters			
Drilling Angle			8–16°
Power Winch	Jaws Clamping Spindle Torque		4 000 Nm
	Jaws Reducing Spindle Torque		10 000 Nm
Mud Pump	Maximum Capacity		160 L/min
	Maximum Pressure		10 Mpa
	Maximum elevation angle		8–25°
Drill Rod	Length		2 500mm
	Rod Lock		Φ55 mm
	Rod Body		Φ50 mm
	Max Bending		5%
	Weight		22kg
Total Weight			5 500 Kg
Dimensions (L × W × H)			5000 × 2000 × 1750mm
Fuel tank capacity			126L
Hydraulic tank capacity			217L
Hydraulic anchor system			Optionally
Automatic drill rod feeding system			Optionally


**OUNCE WELL**

#### FORWARD GROUP

Head Office

420081, Russia, Kazan city,  
Kamaleev avenue, 26/12  
Tel: +7 ( 843 ) 590 25 25

#### Factory

FORWARD Heavy Industrial Machinery Co.,Ltd.

Address: 99#, New East Rod,  
Lianyungang Economic and Technological Development Zone  
Lianyungang city, Jiangsu province, China, 222000  
Tel: +86 518 81089618/+86 518 81089818  
E-mail: info@forwardrill.com