

**FORWARD**

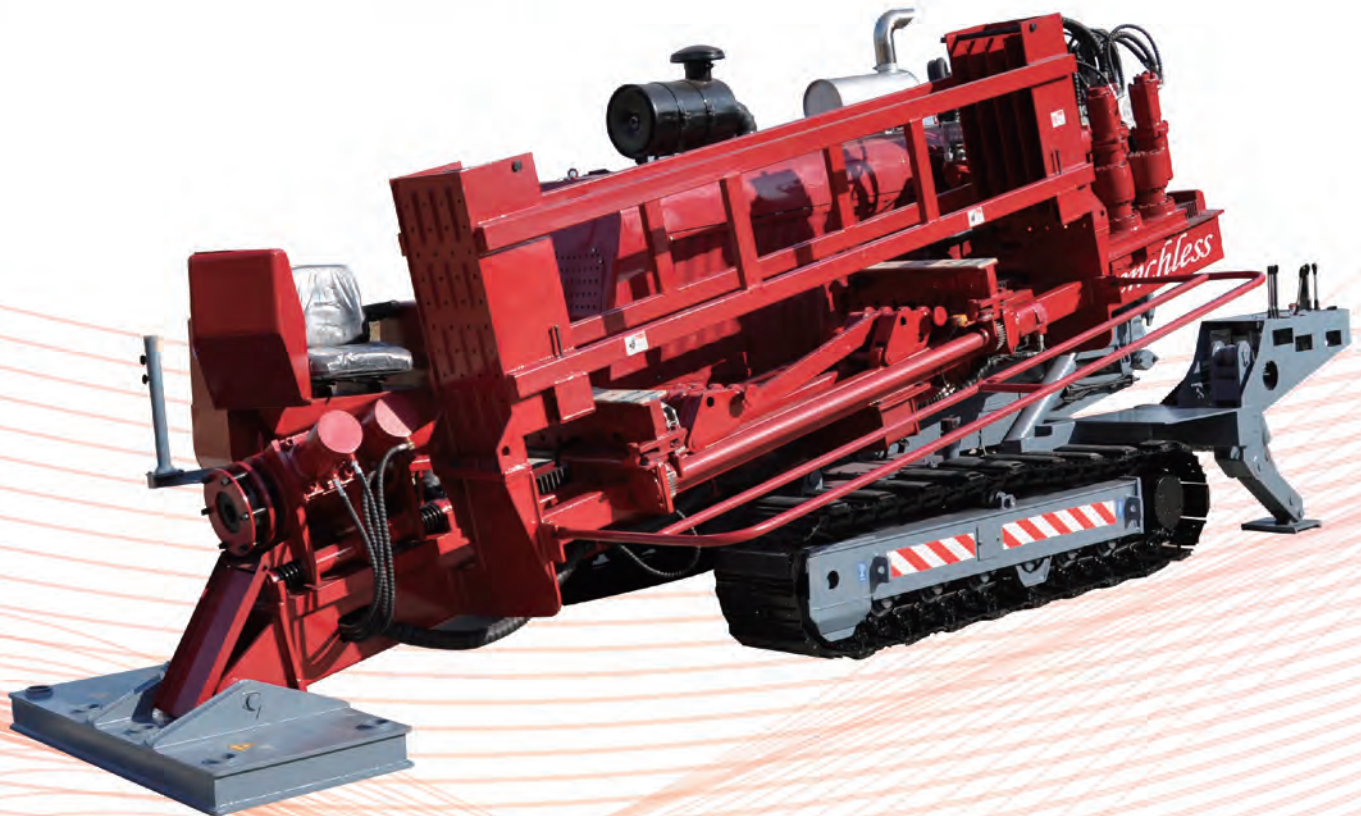
OUNCE WELL OS 32 PLUS  
HORIZONTAL DIRECTIONAL DRILLING RIG



**FORWARD**

**DRILLING EQUIPMENT**

**FORWARD**



## OS 32 PLUS Horizontal Directional Drilling Rig

OS 32 PLUS Horizontal Directional Drilling Rig is developed by the FORWARD Group primarily for the Asian Market.

Like all FORWARD machines, the OS 32 PLUS is manufactured using high-quality hydraulic components and offers hydraulic drive with huge power, using European and the United States of America brands.

The OS 32 PLUS machine is equipped with a variety of safety and protective measures for maximum ease and safety of operation and system reliability. The Operator console can rotate which gives better operator visibility, comfort and efficiency.

This Horizontal Directional Drilling Rig is compact in size allowing maximum working efficiency in even the smallest confined work-site area.

The FORWARD commitment to operator training and after sales service means that every local distributor works under the strictest factory guidance and training system.

The OS 32 PLUS Horizontal Directional Drilling Rig is ideal for Infrastructure Installation under Roads, Railway Lines, Buildings, Heritage Structures and Protected Natural Areas where Open Cut Excavation is not possible.

Many Industries are using Horizontal Directional Drilling Technology for Installation of Steel or HDPE Pipes, Cables and Conduits for Water, Oil & Gas, Electricity and Telecommunications.

Make FORWARD Manufactured Horizontal Directional Drilling Rigs your first choice.



## Diesel Engine

Cummins Diesel Engine, is dependable and reliable, this engine is renowned for its low wear and is easily adapted in even the toughest working environments.



## Automatic Rod Handling Arm

The Automatic Rod Handling Arm system lifts each rod into the Rod Loading position for better Safety and speed of Rod Changing operation.



## Carriage

Carriage, Push and Pull-Back System utilizes a gear and rack (rack and pinion) system. Through a powerful reducer it can achieve maximum pushing and pulling power of 32 tonnes.



## Hydraulic System

All Hydraulic Parts are made in Europe or USA providing high quality and maximizing load capacity.



## Clamp

The Open and Bias Design means easier clamping to make Drill Rod Changing and Rod Break-Out much safer and easier.



## Track

OS 32 PLUS is equipped with a standard Excavator Chassis, with a Powerful Motor made in South Korea. This Excavator Mechanism is stable and strong for better manoeuvring and convenient maintenance.

## OUNCE WELL OS 32 PLUS HORIZONTAL DIRECTIONAL DRILLING RIG

### Main Technical Characteristics

| Diesel Engine                    |                                    |           |       |
|----------------------------------|------------------------------------|-----------|-------|
| Model                            | Cummins 6CTA8.3-C215               |           |       |
| Power                            | 160KW                              |           |       |
| Rotation                         |                                    |           |       |
| Gears                            |                                    |           | 2     |
| Low Speed                        | Speed of Rotation                  | 60 RPM    |       |
|                                  | Torque of Spindle                  | 13 000 Nm |       |
| High Speed                       | Speed of Rotation                  | 120 RPM   |       |
|                                  | Torque of Spindle                  | 6 500 Nm  |       |
| Thrust and Pullback              |                                    |           |       |
| Move Speed                       |                                    |           | 2     |
| Low Speed                        | Force of Thrust                    | 320 KN    |       |
|                                  | Force of Pullback                  | 320 KN    |       |
| High Speed                       | Force of Thrust                    | 160 KN    |       |
|                                  | Force of Pullback                  | 160 KN    |       |
| Other Parameters                 |                                    |           |       |
| Drilling Angle                   |                                    |           | 0-25° |
| Power Winch                      | Jaws Clamping Spindle Torque       | 9 000 Nm  |       |
|                                  | Jaws Reducing Spindle Torque       | 18 000 Nm |       |
| Mud Pump                         | Maximum Capacity                   | 320 L/min |       |
|                                  | Maximum Pressure                   | 8 Mpa     |       |
| Drill Rod                        | Length                             | 3 000mm   |       |
|                                  | Rod Lock                           | Φ83 mm    |       |
|                                  | Rod Body                           | Φ73 mm    |       |
|                                  | Max Bending                        | 5%        |       |
|                                  | Weight                             | 45kg      |       |
| Type of rod feeding (optionally) | Automatic rod hand/Rod handle/none |           |       |
| Total Weight                     | 8 500 Kg                           |           |       |
| Dimensions (L × W × H)           | 6200 × 2200 × 2100mm               |           |       |
| Fuel tank capacity               | 247L                               |           |       |
| Hydraulic tank capacity          | 311L                               |           |       |
| Hydraulic anchor system          | Optionally                         |           |       |
| Rod box with rod feeding system  | Optionally                         |           |       |



OUNCE WELL

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