

ENDLESS ROD[®] UNIT

REALIZE LOWER WELL INTERVENTION COSTS IN NON-TUBING WORKOVERS

The Lifting Solutions Endless Rod[®] Unit (ERU) is a fully self-sufficient unit designed to perform well interventions such as installing and servicing Endless Rod, pump changes, and parted rod jobs. The ERU features a hydraulically operated continuous rod gripper for safe, cost-efficient servicing of continuous rod. This unit is compatible with vertical or slant wellhead configurations for oil, gas, and coalbed methane (coal seam gas) wells.

The Endless Rod[®] Unit is fast and efficient, especially within highly concentrated well sites: the gripper trips rod at a rate of up to 100 ft/min (30 m/min), the unit can be rigged-in and rigged-out exceptionally quick, and its automated design minimizes human intervention. All ERU on-board systems are fully integrated and feature world-class safety components including a blowout preventer (BOP), an emergency clamp system, and a full array of safety equipment.



BENEFITS

- Truck mounted for quick deployment and movement to the well site
- Ergonomic and practical design minimizes pinch points and reduces the risk of injury
- Mast-mounted auxiliary winch boom-arm provides a greater range of light hoisting over and around the well
- Automatic load-line system eliminates climbing, installing, and removing load-line pins
- Hydraulic tank heaters warm fluids while driving to the wellsite or during operation, enabling cold temperature start-up and operations
- Cab is mounted on a twin steer, tandem axle chassis
- Two mast-mounted utility winches



APPLICATIONS

Continuous rod and conventional sucker rod interventions:

- Installing, surfacing, and fishing Endless Rod strings
- Changing insert pumps
- Progressing Cavity Pump rotor replacement

Light well interventions:

- Unset and flushes
- Frac stacks/return to production
- Wellhead changes
- Polished rod changes
- Removing and replacing driveheads and stuffing boxes
- Spacing and respacing rod strings



SPECIFICATIONS

MAST

Height	58 ft 17.7 m
Maximum capacity	70,000 lb 31,750 kg
Maximum slant capacity with anti-skid beam	42,000 lb 19,090 kg

CONTINUOUS ROD GRIPPER

Maximum capacity	50,000 lb 22,680 kg
Rod trip rate	100 ft/min. 35 m/min.

HYDRAULIC DRAW WORKS (MAIN WINCH)

Maximum capacity	70,000 lb 31,750 kg
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MISCELLANEOUS

BOP rating, optional 3-in. rod	3,000 psi 20.6 MPa
Rig-in/rig-out time	15-30 min.