

Dual-Purpose Service Unit

Supports continuous and conventional sucker-rod service work, tubular handling applications, and light workover interventions

Applications

- Light workover interventions
 - Pulling and running tubing
 - Changing progressing cavity pump (PCP) and reciprocating rod lift (RRL) pumps
 - Pulling over-torqued rods
- COROD continuous rod and conventional sucker-rod interventions
 - Pulling and running rod strings
 - Fishing rod strings
 - Changing insert pumps (PCP and RRL)
 - Changing plungers (RRL)
 - Changing rotors (PCP)
- Light well interventions
 - Changing wellhead valves
 - Changing driveheads or stuffing boxes
 - Changing polish rods
 - Spacing and respacing rod strings
- Light well interventions equipped with optional pressure-pumping unit
 - Pressure testing wells
 - Killing wells
 - Flushing production wells

Features and Benefits

- The freestanding mast operates independently of external guy lines, which expedites setup.
- The built-in COROD gripper trips rod at a rate of up to 100 ft/min (30 m/min), which minimizes service time.
- The ergonomic and practical design minimizes pinch points, reducing the risk of injury.

Tool Description

The dual-purpose service unit serves as the definitive “one-stop” solution for restoring disabled wells. The unit is compatible with vertical wellhead configurations for oil, gas, and coalbed methane (coal seam gas) wells.

The freestanding mast enables quick, efficient mobilization on wellsites and features a COROD gripper capable of tripping rod up to 100 ft/min (30 m/min), supported by an advanced safety clamp on the secondary-wellhead rod. It enables the suspension of tubing and double sucker rods in the mast when equipped with a tubing board and/or a rod basket.

The unit is equipped with a full set of tubing and conventional sucker-rod handling tools. To extend its applications, the unit can be paired with auxiliary support equipment, such as a specialized pressure-pumping unit with a tank and a service truck with a crane and doghouse. Daytime and nighttime operation is supported.



Dual-purpose service unit



Dual-Purpose Service Unit

Options

- Rod and/or tubing board
- Pressure unit with tank and pump
- Service truck with doghouse
- Ram-type blowout preventer, 7 in.

Specifications

Mast

Height	72 ft (21.9 m)
Nominal maximum capacity, 4 part line*	120,000 lb (54,431 kg)

*Higher capacity available

Continuous Rod Gripper

Maximum static load	40,000 lb (18,144 kg)
Rod trip rate	100 ft/min (30 m/min)

Draw Works (Main Winch)

Drum size	14 × 37 in.
Wireline size	7/8 in.
Draw works speed (through engine transmission)	5 forward 1 reverse

Miscellaneous

Depth rating	8,000 ft (2,438 m)
7 in. ram-type blowout preventer rating	5,000 psi (34.5 mPa)
Well compatibility	Vertical and horizontal

