

Corig[®] Unit

Supports continuous and conventional sucker rod work and light well interventions

Applications

- COROD continuous rod and conventional sucker rod interventions
 - Pulling, running, and fishing rod strings
 - Changing insertable progressing cavity pumps and reciprocating rod-lift pumps
 - Changing plungers
 - Changing rotors
 - Shifting sliding sleeves
 - Setting gas-lift mandrels
 - Running many nonelectric wireline tools (for example, setting plugs, memory logs)
- Light well interventions
 - Changing wellhead valves
 - Changing polish rods
 - Removing or replacing drive heads and stuffing boxes
 - Changing wellhead valves and rod blowout preventers (BOPs)
 - Spacing and respacing rod strings

Features and Benefits

- Ergonomic and practical design minimizes pinch points, which reduces the risk of injury.
- The freestanding mast can operate independently of guy lines.
- To minimize service time, each Corig configuration has a built-in continuous rod gripper that trips rod at an optimal rate.
 - The Corig V50, S50, and V75 units trip rod at a rate of 100 ft/min (30 m/min).
 - The Corig E50 unit trips rod at a rate of 90 ft/min (27 m/min).

Tool Description

The Weatherford Corig unit is a custom-built integrated derrick featuring a hydraulically operated continuous rod gripper. The unit is designed for safe, cost-efficient servicing of COROD continuous rod and conventional sucker rods. The Weatherford Corig unit is available in four configurations to meet well-servicing needs, including deep wells to shallow wells in a variety of wellhead configurations for oil, gas, and coalbed methane (coal seam gas) wells.

The unit is designed for fast and efficient rig-in and rig-out times and minimal need for human intervention, which reduces the potential for errors and injuries. With fully integrated onboard systems and world-class safety features, consisting of a BOP, an emergency clamp system, and a full array of safety equipment, the Corig unit supports daytime and nighttime operation.



Corig V50 unit for vertical wells



Corig S50 unit for vertical and slant wells



Corig[®] Unit

The Corig E50 unit complies with highly restrictive weight and dimension regulations in various European and Australian regions, with compliances set forth by Conformité Européene (CE), Atmosphères Explosibles (ATEX), and with American Petroleum Institute (API) standards. The E50 unit can transport a Weatherford portable forge welder (PFW) to wellsites for on-site welding of COROD continuous rod strings.

Configurations

The Weatherford Global Technical Support team will work with regional representatives to determine the proper Corig configuration for specific needs.

- Corig V50 unit for vertical wells
- Corig V75 unit for vertical wells
- Corig S50 unit for vertical and slant wells
- Corig E50 unit for vertical wells in European and Australian regions

Specifications

Mast

Configuration	V50	V75	S50	E50
Height	58 ft (17.7 m)	70 ft (21.3 m)	58 ft (17.7 m)	54 ft (16.5 m)
Maximum capacity	50,000 lb (22,680 kg)	75,000 lb (34,019 kg)	50,000 lb (22,680 kg)	50,000 lb (22,680 kg)

Continuous Rod Gripper

Configuration	V50	V75	S50	E50
Maximum capacity	40,000 lb (18,144 kg)	35,000 lb (15,876 kg)	40,000 lb (18,144 kg)	35,000 lb (15,876 kg)
Rod trip rate	100 ft/min (30 m/min)	100 ft/min (30 m/min)	100 ft/min (30 m/min)	90 ft/min (27.4 m/min)

Draw Works (Main Winch)

Configuration	V50	V75	S50	E50
Maximum high-speed line pull	51,764 lb (17,512 kg)	21,428 lb (9,720 kg)	41,764 lb (17,512 kg)	10,714 lb (4,860 kg)
Maximum low-speed line pull	50,000 lb (22,680 kg)	75,000 lb (34,019 kg)	50,000 lb (22,680 kg)	50,000 lb (22,680 kg)

Miscellaneous

Configuration	V50	V75	S50	E50
BOP rating, 3-in. rod	3,000 psi (20.7 MPa)			
Rig-in/rig-out time	30 min.			



Corig V75 unit for vertical wells

Corig[®] Unit



Corig E50 unit for vertical wells in European and Australian regions

COROD is a registered trademark of Weatherford in the US, Argentina, Australia, Canada, Columbia, Kazakhstan, Mexico, Oman, Romania, the Russian Federation, and Venezuela. Corig is a registered trademark of Weatherford in the US.

