

BOP Handling Systems

OVERVIEW

For over 30 years Ingersoll Rand has designed, manufactured, and serviced hundreds of Blowout Preventer Handling Systems for all the major drilling contractors and oil companies in the industry.

Our familiarity with this complex and critical lifting application enables us to provide the type of equipment, engineering support, and certifications that these projects require.

The design of our BOP Handling Systems reflects the years of experience we've gained by providing equipment for the harshest environments and applications around the world. Our Oilfield Tough systems feature compact modular designs, robust "bulletproof" gearboxes, powerful air or hydraulic motors, large diameter load chain, and all steel/cast iron construction which provides increased safety, rugged reliability, enhanced control, and reduced maintenance.

Our commitment to safety and quality combined with our long experience with difficult lifting applications allows us to provide our clients with the safest and most cost-effective solutions possible.

The Ingersoll Rand Advantage

Our BOP Handling Systems are designed to meet or exceed the specifications of one or more of the following regulatory bodies; the Norwegian Petroleum Directorate (NPD), UK HSE, Lloyds Register of Shipping (LRS), Det Norske Veritas (DNV), and American Bureau of Shipping (ABS) for the oilwell drilling industry.

All Ingersoll Rand BOP handling systems are designed and built in ISO9001 certified factories.



Certificate No. FM53539



Certificate No. QUAL/1991/309e

- ❖ **ISO 9001 certified manufacturing and service facilities**
- ❖ **5:1 design factor combined with all steel and cast iron construction** to withstand the brutal environmental and mechanical challenges of the job.
- ❖ **Automatic multi-disc oil bath motor brakes** that engage instantly the moment the controls are released.
- ❖ **High efficiency planetary gearboxes** that are fully sealed to exclude contaminants.
- ❖ **Space saving modular designs** require no deck space, offer low headroom and improved end approach. Ultra-low headroom models are available for applications with severe envelope restrictions.
- ❖ **Air and hydraulic powered models** to choose from, including high-torque radial piston and compact (lube-free) gear type air motors. Air motors provide built-in overload protection since they will stall without damaging hoist.
- ❖ **Smooth, precise, and safe load control** with variable speed pendent control.
- ❖ **Rugged corrosion resistant load chain** in 16, 22, and 32 mm sizes has greater elongation and therefore, is more resistant to shock loading. The large links provide for easier external inspection, excellent resistance to abrasion, and will last indefinitely when properly maintained.
- ❖ **True vertical lift** which enhances load control characteristics and safety.
- ❖ **Articulated trolleys** accommodate limited side pulling as BOP stack is being lifted.
- ❖ **Engineered options**
 - Rack and pinion trolley drive option for positive traction and improved horizontal load control.
 - Severe duty packages available for cold weather, marine, and explosion-proof environments including ATEX.
 - Remote control pendants and consoles.
 - Spark and corrosion resistant components.
 - Air and hydraulic festooning systems.
 - Trolleys for custom fabricated beams.
 - Clevis and shackle bottom block assemblies.
 - Low pressure 4 bar (57psi) applications.