

Well Construction

Frank's Tubular Running Service (TRS) - Completions Technologies

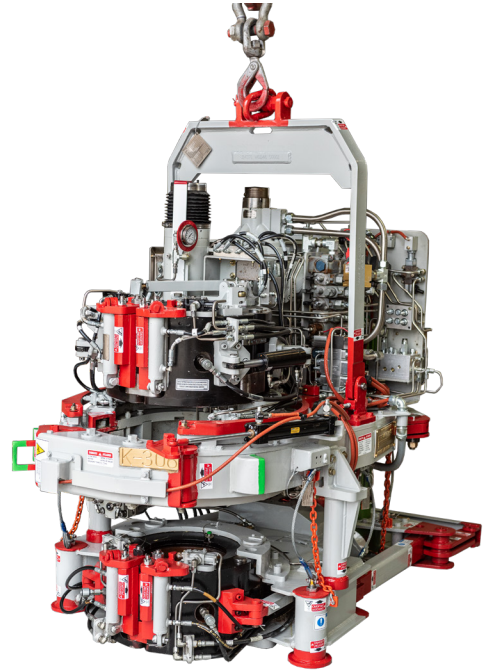
Remote-Controlled FLUID GRIP® System

Running expensive, corrosion-resistant alloy tubulars without causing damaging die marks has been a long-standing industry challenge. Conventional gripping systems with metal dies can create damaging indentations, reduce wall thickness and create stress concentrations in localized areas which accelerate corrosion. Pipe body failures frequently occur in these areas.

To solve these problems, Expro developed the FLUID GRIP® system. While others may offer low-marking systems, the Expro FLUID GRIP® system offers a truly non-marking and field-proven solution.

Features and benefits

- The Remote-controlled FLUID GRIP® System is a patented and proprietary non-metallic and truly non-marking gripping system for running CRA tubulars
- The gripping system provides full 360° contact around the tube body and conforms to the individual tube shape, thereby reducing stress, distortion, and galling
- Die penetration marks are completely eliminated
- No work hardening of material
- The entire system is controlled via patented remote control technology for complete hands-off operation
- Built-in safeguards prevent pressurization of gripping feature while the tong is in the open position
- Complementary Expro equipment includes the Collar Load Support (CLS™) handling systems for a completely non-marking tubular running and handling system
- Various configurations and methods for tong manipulation to and from well center are available including conventional hanging tong, track systems, as well as Expro's TMA configurations



Specifications

Housing size (in.)	Torque capability ¹
8 3/4	Up to 30,000 ft-lbs
12	70,000 ft-lbs

1. Factors affecting total torque capability include, but are not limited to: pipe diameter being gripped, energizing pressure used during operation, pipe condition, and condition of friction media applied to ID of gripper bushing