

# Well Construction

## Frank's Tubular Running Service (TRS) - Casing Technologies

### Clamp-on Single Joint Manipulator

Expro's Clamp-on Single Joint Manipulator provides an attachment point for a single joint elevator by lengthening the drilling bails past the lower portion of the casing running tool (CRT).

#### Features and benefits

- Improves pipe running productivity by as much as 60 percent when used in conjunction with Expro's HORSESHOE® single joint elevator
- Prevents delays from attaching a single joint elevator to long bails by avoiding the necessity to first rig-down the short drilling bails
- Enables attachment of a SJE with short bails in place which would otherwise be impossible due to the lower portion of the CRT extending below the lower eyes of the bails
- Eradicates the need to rig-down short bails and rig-up long bails for running casing due to its ability to attach directly to drilling bails
- Improves safety by eliminating the need to swap different bail lengths
- Eliminates inefficiencies and safety risks of mechanical CRTs lacking pipe-pickup mechanisms when retrieving single joints of pipe from the rig V-door by virtue of bails, slings, and link-tilt
- Enables the retrieval of single joints of pipe without manual handling of the single joint elevator by coupling to the rig's link-tilt system and improving the reach to the V-door
- Lightweight design for easy rig-up, saving time and money
- Operable with all mechanical CRTs and 350 or 500-ton bails
- Adjustable from extension of 7 - 12 ft [2.1 - 3.7 m]
- Spreader bar allows tool width adjustability to match various top drives
- Designed and manufactured in accordance with API 8C
- Controlled by driller via link-tilt

Specifications	
Weight	1,200 lbs [544 kg]
Overall length (retracted)	3.8 ft [4.2 m]
Safe working load	20 tons

