

Well Construction

Frank's Tubular Running Services (TRS)

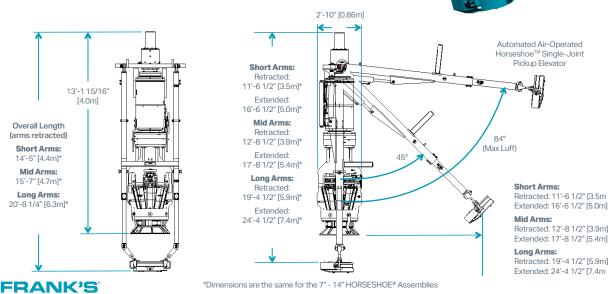
FX-500 and FX-600 Top Drive Casing Running Tools

- Fills, rotates, circulates and reciprocates the casing string simultaneously, thus improving the ease with which casing strings are run to desired target depth, even with troublesome or difficult hole conditions
- Patented thread compensator assists with thread / make-up integrity. Reduces potential for thread damage during make-up
- Equipped with PRAYING MANTIS® Pipe Pick-Up Arms & automated HORSESHOE® Single-joint Pickup elevator

Features and Benefits

Designed to meet or exceed API 8C requirements

- Control panel operates patented FX-500/600, PRAYING MANTIS® Pipe Pick-Up Arms, HORSESHOE® Single-joint Pick-up elevator and spider
- Patented Interlock functionality ensures that either the spider or FX-500/600 slips are directed to the set position at all times, reducing the risk of dropped pipe
- Graphic layout for advanced functionality, displays slip position, pipe end position, HORSESHOE® Single-joint set/unset, and fault detection
- · Separate displays for both operator and driller
- Electronic packages meet Atex Zone 1 and 2, or UL div 2





expro.com/frankstrs

Date 08/2023 | Revision 1.0

Copyright 2023 Expro. All Rights Reserved. Notice: this product is protected by one or more patents assigned to Expro or one of its affiliated entities. For more information regarding Expro's patents, please go to: www expro.com/patents. The sale, rental and use of Expro's products and the offering of services are subject to Expro's standard terms and conditions, available on request. Unless noted otherwise, trademarks and service marks herein are the property of Expro. Product and service information and/or specifications are subject to change without notice. For more information, please contact an authorized Expro representative.



Well Construction

Frank's Tubular Running Services (TRS)

FX-500 and FX-600 Top Drive Casing Running Tools

Considerations	
Specifications	7: 1 44: 1
Casing Size Range	7 inches - 14 inches [178 - 356 millimeters]
Hoisting Capacity (API 8C) (May be limited by top drive crossover sub.)	FX-500: 500 tons [454 tonne] FX-600: 600 tons [544 tonne]
Push Down Force Capacity	56,500 lbs [25,628 k]
Torque Capacity	65,000 ft-lbs [88,128 Newton-meters]
RPM, Continuous	85
RPM, Maximum	100
Thread Compensation	9 in. [229 mm]
Overall Length (Long Arms - Retracted)	20 ft 8.25 in. [6.3 mm]
Overall Length (Mid Arms - Retracted)	15 ft. 7 in.[4.7 mm]
Overall Length (Short Arms - Retracted)	14 ft. 5 in. [4.4 mm]
Weight	13,750 pounds (est.) [6,236 k]
Through Bore	2 in. [51 mm]
Pressure Rating (May be limited by the packer cup)	5,000 pounds per square in. [345 bar]
PRAYING MANTIS* Pick-up Arms (Hoist Capacity)	5 tons [4.54 ton]
PRAYING MANTIS® Pick-up Arm Length	See diagram - page 1
Maximum Rotating Diameter	34 3/4 in. [883 mm]
Top Connection	6 5/8 in. REG
Extended Range Capability	1 1/8 in. [29 mm]
Circulation Rate Max (BBL/minute) (with valve removed)	20

Incorporates Fill-Up and Circulation Functions

expro.com/frankstrs Date 08/2023 | Revision 1.0



Well Construction

Frank's Tubular Running Services (TRS)

Datasheet title



Date 08/2023 | Revision 1.0