

Well Construction

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

FX-350[™] - Top Drive Casing Running Tool

Features and Benefits

- 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 control-operated PRAYING MANTIS[®] pipe pick-up arms and automated HORSESHOE[®] single-joint elevator
- Designed to meet or exceed API 8C requirements
- Control panel operates patented FX-350[™] casing running tool, PRAYING MANTIS[®] pipe pick-up arms, HORSESHOE[®] single joint elevator and spider
- Patented Interlock functionality ensures that either the spider or FX-350[™] slips are directed to the set position at all times, reducing the risk of dropped pipe
- Patented mixed string running capability: (e.g. 4 1/2 inches x 5 1/2 inches without redressing slips)
- Graphic display, for advanced functionality, indicates slip position, pipe end position and fault detection
 - o Separate displays for both operator and driller
 - o Zone 1 approved nodes and Class 1,
 - Div. 2, for use on the rig floor
 - o Electronic packages meet Atex Zone 1 and 2, or UL div 2





exprogroup.com/frankstrs

Date 09/2021 | Revision 1.0

Copyright 2021 Expro Group. All Rights Reserved. Notice: this product is protected by one or more patents assigned to Expro Group's affiliate Frank's International. For more information regarding Frank's International's patents, please go to: www.exprogroup.com/patents. Expro Group's products and services are subject to Expro Group's standard terms and conditions, available on request. Unless noted otherwise, trademarks and service marks herein are the property of Expro Group. Product and service information and/or specifications are subject to change without notice. For more information please contact an authorized Expro Group representative.

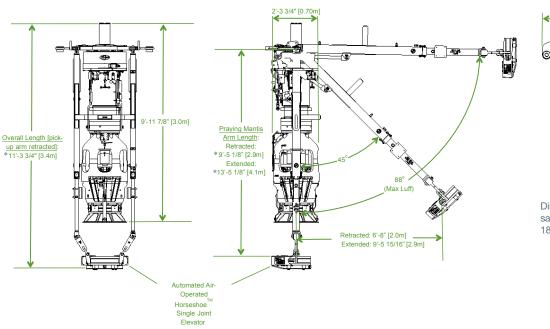


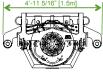
Well Construction

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

FX-350[™] - Top Drive Casing Running Tool

Specifications	
Casing size range	4 1/2 in 9 5/8 in. (114 mm - 244 mm)
Hoisting Capacity (API 8C) (May be limited by top drive crossover sub.)	350 tons (318 tonnes)
Push down force capacity	77,600 pounds (35,199 kilograms)
Torque capacity	35,000 ft-lbs (47,454 Nm)
RPM, continuous	85
RPM, maximum	100
Thread compensation	4 inches (102 millimeters)
Overall length (Pick-up arm - retracted)	11 feet - 3 3/4 inches (3.4 meters)
Weight	6,950 pounds (3,152 kilograms)
Through bore	2 in (51 mm)
Pressure rating (may be limited by packer cup)	5,000 psi [345 bar] (7,500 psi [518 bar] version available)
PRAYING MANTIS® Pick-up arm capacity (hoist capacity)	5 tons (4.54 tonnes)
PRAYING MANTIS® Pick-up arm length	See diagram below
Max. rotating diameter	27 3/4 in. (705 mm)
Max. circulation rate	20 (BBL/minute with value removed)
Top connection	4 1/2 IF







Dimensions are the same for the 9 5/8"-14", 18 5/8"

exprogroup.com/frankstrs

Date 09/2021 | Revision 1.0

Copyright 2021 Expro Group. All Rights Reserved. Notice: this product is protected by one or more patents assigned to Expro Group's affiliate Frank's International. For more information regarding Frank's International's patents, please go to: www.exprogroup.com/patents. Expro Group's products and services are subject to Expro Group's standard terms and conditions, available on request. Unless noted otherwise, trademarks and service marks herein are the property of Expro Group. Product and service information and/or specifications are subject to change without notice. For more information please contact an authorized Expro Group representative.