

Well Construction

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

14 3/8 in Remote Tong System (RTS)

The 14 3/8 in Remote Tong System is a portable stand alone tong system that is capable of accepting cassettes equipped with various Frank's model tongs. This enables the system to accommodate pipe sizes 2 in through 14 3/8 in and is FLUID GRIP® capable 4 1/2 in through 12 in.

Features and benefits

- Equipped with Frank's Safety Door Interlock System
- Remote operation enhances safety by removing personnel away from the well center
- Quickly converts from casing mode to drill pipe landing string by adjusting the separation distance between the tong and backup
- System design allows for single lift of the entire system to the rig floor
- The modular rail system enables the 14 3/8 in Remote Tong System to be positioned on various rig floor layouts/sizes
- Compatible with Frank's DATA TREK® Advantage Data Acquisition System
- Unique tong suspension system compensates for thread loss during make-up
- Carriage design provides tong with 50 in of vertical travel
- Tong cage plate alignment indicator for fast tong removal
- Requires rig air supply for control system



Specifications

	Remote Tong Carriage	14 3/8 Tong Cassette Module	7 5/8 Tong Cassette Module	4 1/2 Tong Cassette Module
Overall dimensions (l x w x h)	100 in x 78 in x 112 in	90 in x 54 in x 90 in	90 in x 54 in x 90 in	87 in x 54 in x 93 in
Cassette weight	12,500 lbs	6,700 lbs	3,900 lbs	5,300 pounds
Torque high gear	N/A	11,000 ft-lbs	5,600 ft-lbs	2,700 ft-lbs
Torque low gear	N/A	70,000 ft-lbs	30,000 ft-lbs	12,000 ft-lbs
Maximum speed	N/A	34.6 rpm	60 rpm	50 rpm
Casing size range	N/A	4 5/8 in - 14 3/8 in	2 in - 7 5/8 in	2 3/8 in - 4 1/2 in
Vertical Stroke	50 in			