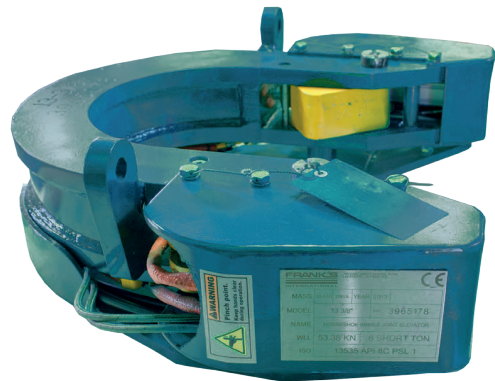


Well Construction

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

HORSESHOE® Single Joint Elevator

The HORSESHOE® Single Joint Elevator is a pneumatic horseshoe-type elevator that aids in raising joints from the v-door. Its unique design allows the pipe to enter its bore by passing through the open end, or throat, until it contacts the trough, where it is mechanically held in place concentric to the elevator bore and perpendicular to the pipe centerline axis. A reversed procedure may also be used when laying down pipe from its vertical position, wherein the pipe catches are actuated in order to allow the elevator to be easily removed from the pipe.



Features and Benefits

- Assists in a safer and more efficient handling process for single joints of pipe through less hands-on contact
- Automated pipe catches are opened using remotely-operated air cylinders mounted inside the horseshoe body
- Released to the closed and locked position in a similar fashion by spring force, providing a positive mechanical hold once the air is exhausted from the cylinders
- Mechanical latch plate helps to secure and prevent premature opening of the pipe catches
- Internal sensors indicate open or closed latch status at the control console

Specifications

Size range	4 ½ inches (114 millimeters) - 30 inches (762 millimeters)
Safe working load	4 ½ inches - 24 inches, 6 tons 26 inches, 10 tons 30 inches, 12.5 tons, 15 tons
Designed for use with Frank's manufactured Casing Running Tools	FX-350 FX-500 / FX-600 FA-1® 14" FA-1® 22"