

# Hydra Rig™

## HR-635 Coiled Tubing Injector



### Trusted performance with a low maintenance design

Engineered and manufactured for rugged reliability and reduced maintenance, we've manufactured over 2,200 injectors so you can rely on our field-proven design.

Whether you are packaging a new, custom-built unit with the HR-635 model injector, or just replacing an existing injector, our models have the performance and dependability that is demanded by your customers in the toughest oilfield conditions around the world.

Designed to handle 3/4" to 2 3/8" coiled tubing strings, this model is capable of running the new 140,000 psi designs with superior slow speed control (inches per minute). The HR-635 has an 35,000 lbs continuous lifting capacity and 15,000 lbs continuous snubbing capacity.

The drive system and traction system included in our design enhances performance in the field.

### Options

- Radius tubing guide sizes: 60" (680 lbs) and 72" (800 lbs)
- Injector counter
- Fold down walkways
- Electronic or combination of electronic/hydraulic load cells
- Fall protection device

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## Specifications

Max. speed (Min. displacement)	265 ft/min
Max. speed (Max. displacement)	115 ft/min
Horsepower	100 hp continuous at 120° F
Lifting capacity through outer frame	41,000 lbs
Lifting capacity from stripper	35,000 lbs
Assembled weight: 60" gooseneck, stripper box, min. handling slings, lube tank, excludes fall pole, other options	5,400 lbs
Approx. individual gripper weight	3 lbs

### Drive System

- Deep reduction, purpose-built gear drives
- Dual 3,000 psi drive hydraulic motor input
- Counterbalance valves plumbed directly to motor
- Tubing odometer for maintenance and inspection requirements
- Dual spring applied/pressure released brakes mounted between the hydraulic drive motors and gear drives

### Traction System

- Reduced remove/install time with our patented "Quick Connect" Gripper System (1-3 seconds)
- Hardened and grooved single piece grippers
- Elastomeric suspension system for grippers
- Reduced maintenance with no greasing of chain bearings required due to "sealed-for-life" design
- Purpose-built and simplified direct down tension chain system
- Spray type injector chain lubricating system
- Skates designed for smoother chain bearing entry into traction system

