

# HR-6120 Coiled Tubing Injector



## Quality you can trust for the new normal of today's unconventional operations

Engineered and manufactured for rugged reliability and reduced maintenance, you can rely on our field-proven Hydra Rig™ manufacturing and injector design to tackle the new demands that come with quench and tempered coiled tubing. While offering weight savings over our largest injector offering, the HR-6120 maintains the brute dependability you have grown to expect from Hydra Rig.

Whether you are packaging a new, custom-built unit with the HR-6120 model injector or just replacing an existing one, our injectors have the performance and dependability that is required in the toughest oilfield conditions around the world.

Designed to handle 2- to 2 $\frac{7}{8}$ -in. coiled tubing strings, this model is capable of running high-strength large-OD tubing designs with superior slow speed control (inches per minute). The HR-6120 has an 120,000-lb continuous lifting capacity and 60,000-lb continuous snubbing capacity.

The hydraulically timed drive and free-floating traction systems enhance performance and reliability in the field by reducing dynamic loads on the coiled tubing and injector components.

### Options

- Manually or hydraulically deployed tubing guides available in 100-, 120-, and 140-in. radius sizes
- Multiple options for tubing depth and speed counters available
- Fold-down walkways
- Electronic or hydraulic load cells
- Fall protection device
- Hydraulic lift bail

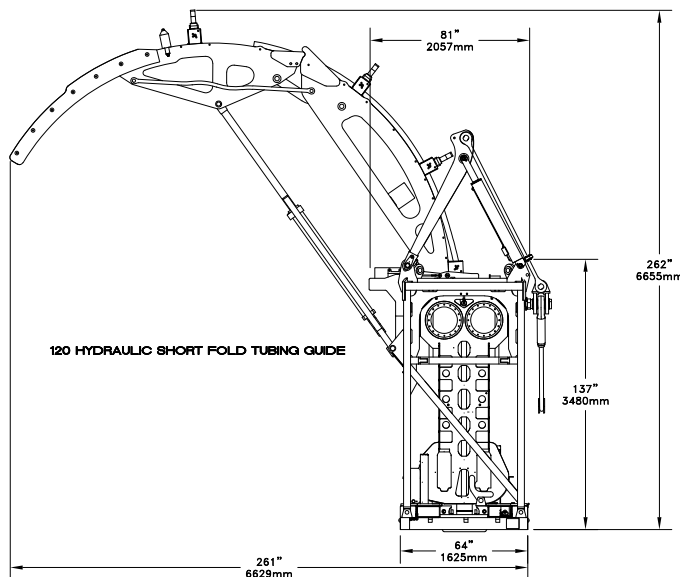
### Upgrades and accessories

- Slip mitigation system
- Remote tubing guide alignment (patent pending)
- Condition-based monitoring (CBM) system
- Tubing guide load sense
- Transport stands with or without hydraulic tilt frame
- Injector or tilt frame-mounted stabbing winch
- Injector auto-lubrication system

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## Specifications

Maximum speed (min. displacement)	160 ft/min
Maximum speed (max. displacement)	73 ft/min
Horsepower	180-hp continuous at 120° F
Lifting capacity through outer frame	140,000 lb
Lifting capacity from stripper	120,000 lb
Assembled weight: 120-in. gooseneck installed, no stripper	18,200 lb



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## Drive system

- Deep reduction, purpose-built gear drives
- Dual hydraulic motor input (variable displacement, piston motors)
- Counterbalance valves
- Dual oil seals on gear drive output shafts for long and reliable service
- Dual spring applied/pressure released brakes mounted between the hydraulic drive motors and gear drives
- Patented hydraulic timing system

## Traction system

- Reduced remove/install time with our "quick disconnect" gripper system (1-3 seconds)
- Hardened and grooved single piece grippers
- Pocket-style elastomer gripper block suspension system
- Reduced injector chain maintenance due to sealed-for-life gripper carrier roller bearings
- Skates utilize patented strain-relief feature designed for improved traction performance
- Four independent sets of traction system hydraulic cylinders
- Double-strand 180-pitch heavy-duty roller chains