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-6140 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 2” to 4 ½” 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-6140 has an 150,000 lbs continuous lifting capacity and 70,000 lbs continuous snubbing capacity.

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

Options
• Radius tubing guide sizes: 100” (1,200 lbs), 120” (1,500 lbs) and 140” (1,800 lbs)
• Injector counter
• Fold down walkways
• Electronic or combination of electronic/hydraulic load cells
• Fall protection device
HR-6140 Coiled Tubing Injector

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. speed (Min. displacement)</td>
<td>140 ft/min</td>
</tr>
<tr>
<td>Max. speed (Max. displacement)</td>
<td>84 ft/min</td>
</tr>
<tr>
<td>Horsepower</td>
<td>200 hp continuous at 120° F</td>
</tr>
<tr>
<td>Lifting capacity through outer frame</td>
<td>184,000 lbs</td>
</tr>
<tr>
<td>Lifting capacity from stripper</td>
<td>140,000 lbs</td>
</tr>
<tr>
<td>Assembled weight: 120° gooseneck installed, no stripper</td>
<td>20,000 lbs</td>
</tr>
<tr>
<td>Approx. individual gripper weight</td>
<td>6 lbs</td>
</tr>
</tbody>
</table>

Drive System
- Deep reduction, purpose-built gear drives
- Dual hydraulic motor input (variable displacement, piston motors)
- Counterbalance valves plumbed directly to motor
- 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 combines the best features of both timed and untimed 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
- Four independent sets of two rod type hydraulic cylinders
- 180-pitch heavy duty roller chain links

![Diagram of HR-6140 Coiled Tubing Injector](image-url)