

50K Coiled Tubing Reel



Get the job done and elevate your extended-reach operations

Your operations are more demanding, requiring equipment to withstand higher payloads and more strenuous activities. You need a more durable solution specifically built to handle the longer, larger OD and higher strength coiled tubing string designs. With its improved strength, robust durability, and built-for-the-future functionality, the 50K reel provides the performance you demand from your coiled tubing equipment.

Learning from our decades of experience, we married our highly proven dished-head design for the drive side with large access windows on the swivel side that allow for complex internal iron arrangements, such as fiber optics and ball or dart launching from outside the spool.

Our 50K tubing reel is a large-capacity tubing reel designed to be skid or trailer mounted and is an upgrade to current reels, as it is ideally suited for most grades and wall thicknesses of 2 $\frac{3}{8}$ -in. tubing. Filling a gap in previous reel offerings, we have optimized the maximum rated operational payload capacity to support an impressive 210,000 lb.

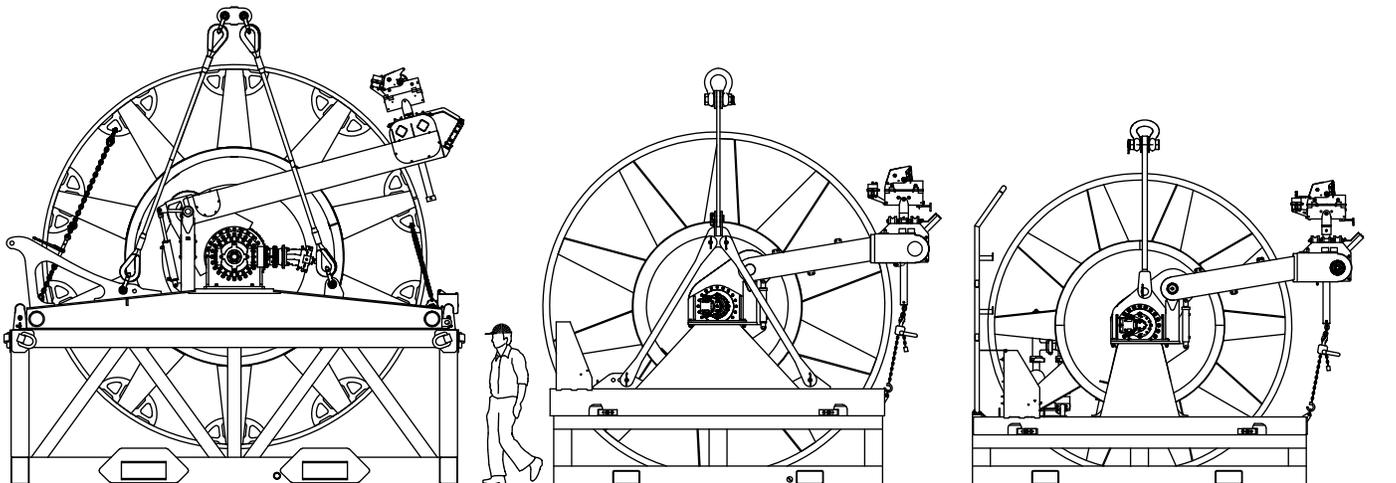
Features and benefits

- Large double row bearing for high payload capacity, long life, and low maintenance
- Increased upward-reach levelwind to protect the tubing during rig ups
- Vibration-resistant, heavy-duty levelwind head handles larger, higher strength coiled tubing and increasingly powerful down-hole agitators
- Configurable for existing trailers or new builds

Planetary direct-drive reel with two drive options:

- Patented planetary direct drive with pass-through for cable (e-line or fiber-optic), hydraulics, or concentric tubing provides capability for use of real-time downhole devices (automation, logging, camera) and allows for future functionality, including increased torque.
- Conventional planetary direct drive for applications that do not require hydraulic lines to the core or cables to the tubing.

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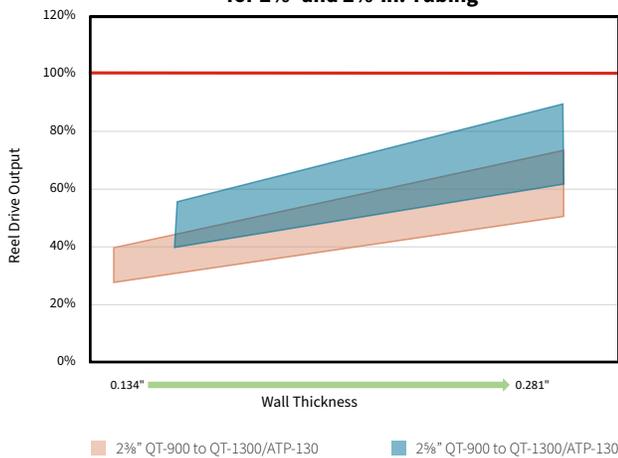
50K Tubing Reel
2 $\frac{3}{8}$ - and 2 $\frac{1}{2}$ -in. CT

33K Tubing Reel
2- and 2 $\frac{3}{8}$ -in. CT

24K Tubing Reel
1 $\frac{3}{4}$ - and 2-in. CT

Our tubing reel product line consists of reels sized to meet different applications, tubing sizes, and capacities. The 50K is currently the largest, suited for long strings, large units, and milling. The 33K and 24K are sized for medium and small strings where transportation limits are more restrictive. Contact your NOV sales representative to determine the right reel for your operation's needs.

50K Tubing Reel Drive Performance for 2 $\frac{3}{8}$ - and 2 $\frac{1}{2}$ -in. Tubing



Specifications

Reel dimensions*	172-in. OD, 98-in. core, 140-in. width
Maximum coiled tubing OD	2 $\frac{7}{8}$ in.
Reel capacity (based on 14 $\frac{1}{2}$ ft wide CTU)*	26,200 ft of 2 $\frac{1}{2}$ -in. coiled tubing
Hydraulic drive	2,500 psi (options available for higher pressure or increased torque)
Operational payload**	210,000 lb
Transportation payload***	170,000 lb

*50K tubing reels are available in various sizes to fit different coiled tubing designs and local transportation needs.

**Maximum weight of tubing, fluid, and cable during stationary operations on the wellsite (may be reduced by trailer limitations)

***Maximum weight of tubing, fluid, and cable during transport

Based on design projections, factors that will affect the reel drive performance include:

- CTU hydraulic system capability and condition
- Drive system condition
- Actual string design and material yield strength
- Rig up: Height and distance between the tubing reel and the injector
- Required tubing tension: Using the minimal amount of reel tension required to maintain proper tubing wrapping on the reel is suggested.