

***Agitator***<sup>™</sup>  
Coiled Tubing Tools



## Agitator™ Coiled Tubing Tools

Our *Agitator*™ oscillation tools have provided unparalleled friction reduction longer than any other tool in the industry, and our *Agitator* coiled tubing (CT) tools further that tradition. With our *Agitator* CT tools in your bottomhole assembly (BHA), you can drill faster and drill farther.

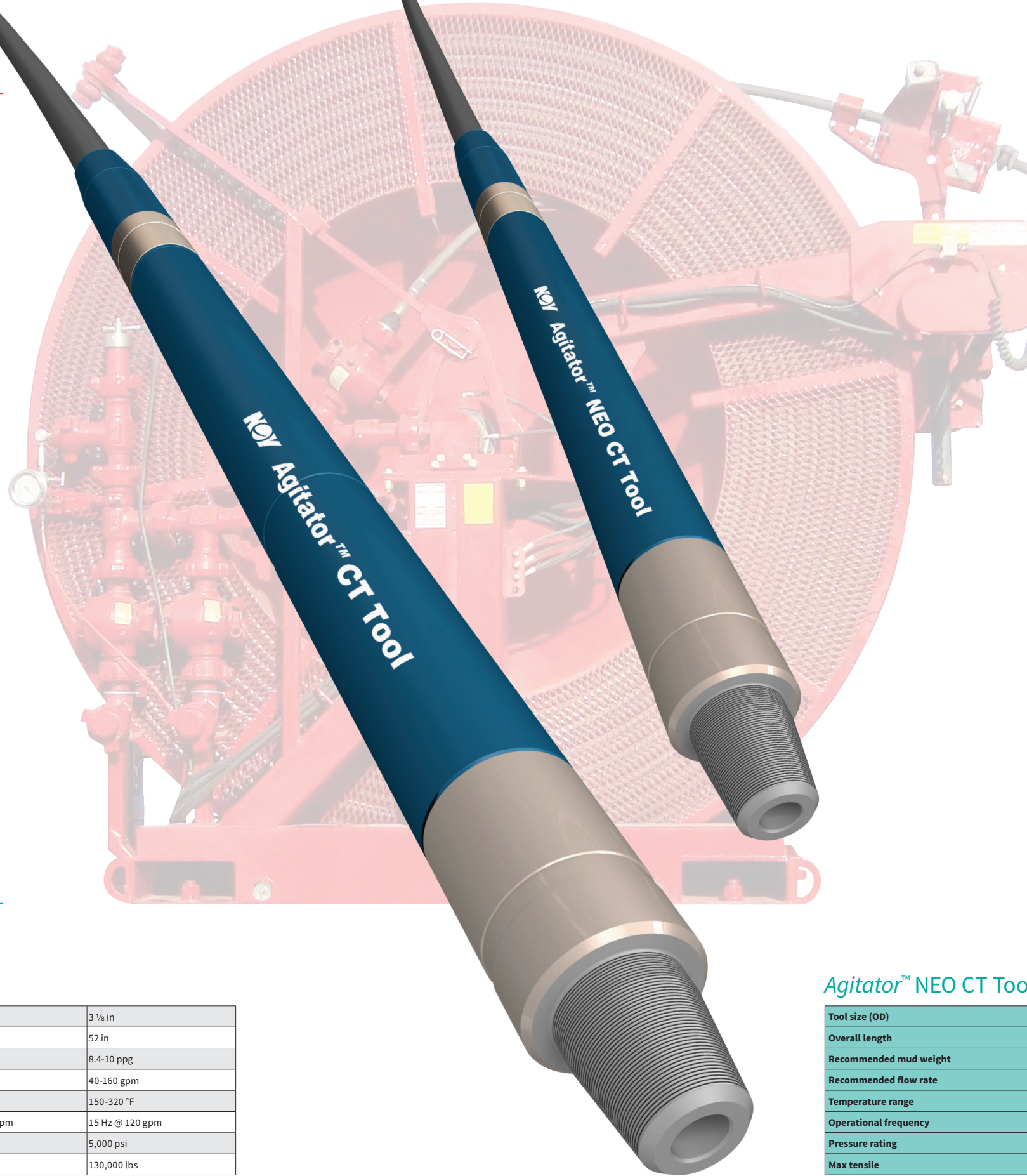
### Proven Friction Reduction, Improved Weight Transfer

The *Agitator* CT tool increases the reliability of your coiled tubing operation and allows you to reach significantly greater depths in torturous, horizontal wellbores. By creating gentle oscillations along the longitudinal axis of a coiled tubing string, the *Agitator* CT tool reduces downhole friction, improves weight transfer to the BHA, and significantly extends the point of lock-up.

Proven in a wide range of applications, the *Agitator* CT tool improves rate of penetration (ROP) and enhances your efficiency in coiled tubing milling and intervention operations.

### Reliability With Every Turn

When you include our *Agitator* CT tools in your BHA, you get more than a piece of equipment—you're getting a partner. We have years of experience and thousands of runs from which we've learned and improved our *Agitator* oscillation tools. With drilling solutions engineer (DSE) support worldwide and more than 150 service locations around the globe, we deliver the highest quality products and equipment, as well as the support to meet the needs of your operation.



## Agitator™ NEO Coiled Tubing Tool

Featuring a shorter length and improved design, the *Agitator* NEO CT tool is an integral component of your extended reach BHA. Our engineers have designed the power section and valve assemblies for the *Agitator* NEO CT tool to improve performance: the new power section design allows you to pump at higher flow rates and can withstand pressures up to 10,000 psi, and we redesigned the valve assemblies to work at optimum operational frequencies.

These improvements produce axial vibrations that further enhance the efficiency of the BHA. The *Agitator* NEO CT tool allows for increased weight-on-bit and extended reach, improving your rate of penetration and helping you reach total depth.

### Agitator™ CT & Agitator™ NEO CT Tools Highlights

- Extends your reach and improves load transfer** by reducing friction downhole
- Improves your ROP** by allowing for increased weight-on-bit
- Delays sinusoidal/helical buckling** and decreases motor stalls by reducing weight stacking
- Allows for higher flow rates** with redesigned power section and valve assemblies (*Agitator* NEO CT tool)
- Uses optimal operational frequencies** that further enhance the efficiency of your BHA.

### Agitator™ CT Tool Technical Specifications

Tool size (OD)	2 1/4 in	2 7/8 in	3 1/2 in
Overall length	73 in	52 in	52 in
Recommended mud weight	8.4-10 ppg	8.4-10 ppg	8.4-10 ppg
Recommended flow rate	40-80 gpm	40-150 gpm	40-160 gpm
Temperature range	150-302 °F	150-320 °F	150-320 °F
Operational frequency	9 Hz @ 40 gpm	15 Hz @ 120 gpm	15 Hz @ 120 gpm
Pressure rating	5,000 psi	5,000 psi	5,000 psi
Max tensile	20,000 lbs	85,000 lbs	130,000 lbs

### Agitator™ NEO CT Tool Technical Specifications

Tool size (OD)	*1 1/4 in	3 1/4 in	3 1/2 in
Overall length	35 in	46 in	52 in
Recommended mud weight	8-10 ppg	8-10 ppg	8-12 ppg
Recommended flow rate	30-65 gpm	110-210 gpm	110-210 gpm
Temperature range	150-320 °F	150-320 °F	150-320 °F
Operational frequency	14 Hz @ 65 gpm	9 Hz @ 210 gpm	8 Hz @ 210 gpm
Pressure rating	10,000 psi	10,000 psi	10,000 psi
Max tensile	37,150 lbs	120,000 lbs	190,800 lbs

\*Currently in field trials

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