

# Agitator™ NEO Coiled Tubing Tool

Technical  
Summary

Let's go farther.

Our Agitator™ tools have provided superior friction reduction longer than any other tool in the industry, and our *Agitator* NEO Coiled Tubing (CT) tool furthers that tradition. Featuring a shorter length and improved design, the *Agitator* NEO CT tool is an integral component of your bottomhole assembly (BHA) in reducing helical and sinusoidal buckling.

## Improved Design

We have redesigned the power section and valve assemblies for the *Agitator* NEO CT tool to improve performance and reliability. The new power section design allows you to pump at higher flow rates and pressures up to 10,000 psi, and the valve assemblies were redesigned to work at optimum operational frequencies. These improvements produce axial vibrations that work on a longer length of coiled tubing. By reducing buckling, the *Agitator* NEO CT tool allows for increased weight-on-bit, improving your rate of penetration and helping you reach total depth.



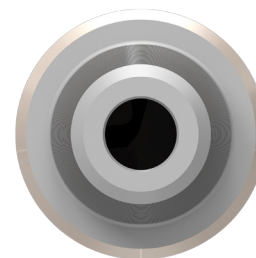
Agitator™ NEO CT Tool

## Features

- Variable pressure pulses (frequency and size of the pulses are directly proportional to the flow rate)
- No downhole settings or adjustments are required
- Elastomer compatible with oil-based mud and nitrogen

## Benefits

- Extends your reach by reducing friction downhole
- Improves rate of penetration (ROP) by allowing for increased weight on bit (WOB)
- Redesigned power section and valve assemblies allows for higher flow rates and pressures
- Delays sinusoidal and helical buckling by reducing weight stacking



## Technical Specifications

\*Currently undergoing field trials

Tool size (OD)	1 1/16 in*	3 1/8 in	3 1/2 in
Length	34.3 in	45.7 in	52 in
Weight	17 lbs	65 lbs	114 lbs
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	9.07 Hz @ 210 gpm	7.7 Hz @ 210 gpm
Pressure rating (static)	10,000 psi	10,000 psi	10,000 psi
Operational pressure drop generated	350-700 psi	300-750 psi	300-750 psi
Stator/sub makeup torque (@62.5% of yield)	620 ft-lbs	2,380 ft-lbs	6,060 ft-lbs
Max tensile	37,150 lbs	120,000 lbs	190,800 lbs
Rig connections	1 in. AMMT	2 3/8 in. API REG	2 3/8 in. API REG
Rig connections makeup torque (@62.5% of yield)	400 ft-lbs	4,000 ft-lbs	5,300 ft-lbs
Rotor type	Chrome plate	Chrome plate	Chrome plate

Proven Applications	
Extended coiled tubing reach	Acid treatments Well clean-outs Sliding sleeve manipulation Logging
Drilling	Coiled tubing drilling (CTD) Through-tubing rotary drilling (TTRD)
Fishing	Plugs Sand screens
Milling	Composite plugs Window milling Scale