

LDT Coiled Tubing Motor Assembly

Coiled Tube Motor Specification Sheet

➤ LDT CT Motors

The Leading Downhole Tech Coiled Tubing (CT) Motor is an “Engineered Solution” for the CT Market. This motor line was designed by LDT Engineers specializing in coiled tubing and drilling motors to ensure the tool’s ability to meet the demands of CT applications. We utilized LDT design methodology, best practices, years of senior experience, and field information at the well site to develop this product offering. The CT Motor is not only reliable; it has many features applicable to the growing needs of the coiled tubing industry.

The bearing assembly has class-leading torque ratings and is a sealed bearing unit that provides maximum tool life with low redress cost. With a zero bypass sealed bearing assembly, the assembly delivers 100% flow to the mill for effective returns.

The slick, true-stated O.D. options (1-11/16”, 2-1/8”, 2-7/8”, 3-1/8” and 3-1/2”) provide a comprehensive tool selection range to meet the well requirements. The “Titanium” Flex Rod within the assembly is designed to deliver the longest stator life which will meet the demands of the extended reach wells.

Technical Specifications

Size	1-11/16"	2-1/8"	2-7/8"	3-1/8"	3-1/2"
Top Connection	1"AMMT	1-1/2" AMMT	2-3/8" PAC	2-3/8" API REG	2-3/8" API REG
Bottom Connection	1"AMMT	1-1/2" AMMT	2-3/8" PAC	2-3/8" API REG	2-3/8" API REG
Pull to Yield Motor	28,000 lbf	55,000 lbf	123,000lbf	134,000 lbf	163,000 lbf
Theoretical Static Yield Torque*	550 ft-lb	1,100ft-lb	2,000 ft-lb	4,000 ft-lb	4,500 ft-lb

*Note: -this value does not account for dynamic effects downhole

➤ Features

- Simple, short and High Torque.
- Titanium Flex Rod designed to maximize stator life.
- Slick OD – No upsets or variable diameters.

➤ Benefits

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| <ul style="list-style-type: none"> - Ease of assembly and Maintenance - Reduced downhole failure. - Improve CT milling performance - Proven design – Thousands of hours drilled in a wide variety of applications | <ul style="list-style-type: none"> - 100% flow to the mill - Reduces stuck BHA's - Increase performance - Increase motor life - Ability to be reused multiple times - Typical motor operation: up to 130hrs |
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