

News Release



At OTC, Moog offers motors for rugged MWD, wireline and more

EAST AURORA, N.Y. – May 6, 2024 – At OTC 2024 (booth 1567), Moog Inc. will showcase its Standard [Downhole Brushless Servo Motors](#), which oilfield firms can count on for power density and reliability when engaged in applications including measurement-while-drilling (MWD), wireline, and rotary steerable systems (RSS).

“Our pedigree includes decades of engineering motors to tackle rough applications and extreme environments,” said In Chul Jang, engineering manager for Moog Inc. “Downhole is an environment that wants to kill equipment; our motors reliably hold up against those extremes.”

For example, Moog’s oil and gas customers rely on the Standard Downhole Brushless Servo Motors for accurately steering drill bits while experiencing temperatures up to 350 °F, pressure up to 25,000 psi, and shock as high as 250 g. Despite the forces acting against its motors, Moog’s products consistently deliver a reliable service life of thousands of hours.

“We design our motors within a package volume for the job at hand, while ensuring project managers have the power they need for a long service life,” added Jang. “Our design’s guard against the kind of common electric shorts on a stator that would render another motor useless and stop a job.”

According to Jang, Moog’s motors balance mechanical, electrical, and magnetic design in a way that generates less heat thereby stopping short of crossing the failure point of the engineered materials. This, in turn, allows oilfield firms to run Moog’s Downhole Motors for longer without breakdown.



Moog Standard Downhole Brushless Servo Motors.

For MWD, Moog’s Size 8 Standard Downhole Motor (diameter 8 mm) is part of the bottom hole assembly (BHA) and controls the valve generating mud pulses to the surface. This helps operators and drillers make decisions about drilling as it happens. For wireline operations, Moog’s motors facilitate the extraction of sidewall cores and fluid samples for analysis.

Manufacturers and oilfield service project managers looking for Downhole Motors for their applications can visit Moog at OTC (booth 1567) from May 6-9, 2024, or read more [here](#).

About Moog Inc.

Moog Inc. is a worldwide designer, manufacturer, and systems integrator of high-performance precision motion and fluid controls and controls systems. Moog’s Industrial segment designs and manufactures high performance motion control products, solutions and services combining electric, hydraulic, and hybrid technologies with expert consultative support in a range of applications in energy, industrial machinery, simulation and test markets. Moog Industrial helps performance-driven companies to design and develop their next-generation equipment. Moog’s Industrial segment, which had fiscal year 2023 sales of US \$983 million and over 40 locations worldwide, is part of Moog Inc., which had fiscal year 2023 sales of US \$3.3 billion. For more information, please visit www.moog.com.

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