

PRODUCT SPEC SHEET

TITAN 22 PERFORMANCE DRILLING MOTOR - 7" 7/8 9.4

Scientific Drilling's Titan 22 performance drilling motor is designed for the most extreme drilling environments in the industry. It has been engineered to run with the highest torque power sections, delivering ultimate reliability and durability in all sections of the well.

The Titan 22 also features a unique Ti-Flex™ Titanium Flex Shaft and bearing pack assembly to deliver optimal performance in a wide range of applications.

DELIVERING THE ULTIMATE VALUE

- Enhanced WOB capacity supporting increased and consistent ROP for superior drilling performance
- Rugged driveline design for ultra-high power torque sections delivering maximized reliability
- Full rotational capabilities in all sections of the well ensuring optimal wellbore integrity
- Innovative Ti-Flex™ Titanium Flex Shaft and bearing assembly, for increased durability and extended tool life

TARGET APPLICATIONS

- Performance Drilling
- Extended Reach Laterals
- Factory Drilling in Shale Reservoirs
- One Run Applications
- Laminated Formations



GENERAL SPECIFICATIONS	
Length	42.3 ft (12.89 m)
OD	7.15 in (181 mm)
Recommended Hole Sizes	8 1/2 - 9 7/8 in (215 - 250 mm)
Max Bend Angle	2.12°
BEARING SECTION	
Bit to Bend Length	52 in (1.3 m)
Bit Box Connection	4 1/2 in API Reg. Box
Max WOB	60,000 lbs (26,689 DaN)
Max Overpull for Rerun	110,000 lbs (48,930 DaN)
Overpull to Yield Motor	240,000 lbs (106,757 DaN)
Max Bit Pressure Drop	1,000 psi (6,894 kPa)
Opt. Bit Pressure Drop	100 - 750 psi (690 - 5,171 kPa)
LCM Capability	40 lb nut plug
POWER SECTION	
Lobe Configuration	7/8
Stages	9.4
Max Diff Pressure	2,120 psi (14,580 kPa)
Stall Diff Pressure	3,170 psi (21,870 kPa)
Torque at Max Diff Pressure	18,680 ft-lbs (25,330 Nm)
Stall Torque	28,020 ft-lbs (37,990 Nm)
Flow Range	500-750 gal/min (1,890 - 2,840 L/min)
Speed Range	144 - 220 RPM
Speed Ratio	0.288 rev/gal (0.076 rev/L)
Torque Slope	8.832 ft-lb/psi (1.737 Nm/kPa)

Specifications are subject to change without notice.

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Titan 22 7" 7/8 9.4 Power Curve

