

Scientific Drilling International's TiTAN22 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 TiTAN22 also features a unique Ti-Flex™ Titanium Flex Shaft and bearing pack assembly to deliver optimal performance in a wide range of applications.

For more information on improving your drilling efficiency [while staying on target] contact your Scientific Drilling sales representative or visit: http://scientificdrilling.com/titan22

APPLICATIONS

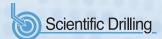
- Performance Drilling
- Extended Reach Laterals
- Factory Drilling in Shale Reservoirs
- One Run Applications
- Laminated Formations

BENEFITS

- 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

FEATURES

Innovative Ti-Flex™Titanium Flex Shaft and bearing assembly, for increased durability and extended tool life



GENERAL SPECIFICATIONS	
OD	5.00 in. (127.00 mm)
LENGTH	30.9 ft (9.42 m)
RECOMMENDED HOLE SIZES	6 - 6.75 in. (152.40 - 171.45 mm)
MAX BEND ANGLE	2.38°
BEARING SECTION	
BIT TO BEND LENGTH	40.6 in. (1.03 m)
BIT BOX CONNECTION	3 ¹/₂in. API Reg. Box
MAX WOB	30,000 lbs (13,345 DaN)
MAX OVERPULL FOR RETURN	60,000 lbs (26,289 DaN)
OVERPULL TO YIELD MOTOR	120,000 Ins (53,379 DaN)
MAX BIT PRESSURE DROP	750 psi (5,171 kPa)
OPT BIT PRESSURE DROP	100 - 600 psi (690 - 4,136 kPa)
LCM CAPABILITY	40 lb nut plug
POWER SECTION	
LOBE CONFIGURATION	7/8
STAGES	3.1
MAX DIFFERENTIAL PRESSURE	700 psi (4,810 kPa)

1,050 psi (7,210 kPa)

47 - 95 RPM

5,460 ft-lbs (7,410 Nm) 8,190 ft-lbs (11,110 Nm)

0.32 rev/gal (0.08 rev/L) 7.83 ft-lb/psi (1.54 Nm/kPa)

150 - 300 gal/min (570 - 1,140 L/min)

STALL DIFFERENTIAL PRESSURE

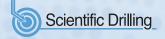
TORQUE AT MAX DIF PRESSURE

STALL TORQUE FLOW RANGE

SPEED RANGE
SPEED RATIO

TORQUE SLOPE





^{*}Specifications are subject to change without notice