

Introduction

RSS system provides more efficient and safer performance in long horizontal section drilling scenario with double way communication

Features and Benefits

- High precision steering, low drag and torque, low stick slip, high build rate, high drainage area
- Monitor the near-bit inclination and GR data in real time, to make sure the trajectory in maximum optimized condition
- Equipped with vibrating monitor with double 3-axis accelerator sensor and 3-axis gyro, and compatible with all MWD system

Specification

OD	171.45 mm	[6¾ in.]
Hole Size	212.8 ~ 250.8 mm	[8⅝ in. ~ 9⅞ in.]
Max Collar OD	178.00 mm	[7 in.]

Flow Rate	1,135–2,840 lpm	[300–750 gpm]
Max DLG for Rotating	5°/30 m	[15°/100 ft]
Max DLG for Sliding	30°/30 m	[30°/100 ft]
Max Build Rate	15°/30 m	[15°/100 ft]
Max WOB	250 kN	[56,200 lb]
Max Working Torque (@ bit)	21 kNm	[15,500 ft-lb]
Min Failed Torque (@ bit)	32 kNm	[23,500 ft-lb]
Min Failed Tensile	3,400 kN	[764,000 lb]
Max RPM	250 rpm	
Max Working Temp.	302°F	[150°C]
Max Hydraulic Pressure	20,000 psi	[1,380 bar]

