

PRODUCT SPEC SHEET

WELLGUIDE RSS™

Point-the-Bit Rotary Steerable System

4¾" RSS

Borehole Sizes	5 7/8" - 6 3/4" in
Tool Length	24 ft (7.3 m)
Tool Weight	1,212 lb
Maximum WOB	25,000 lb
Maximum Dogleg	12.5° / 100 ft
Maximum Rotary Speed	250 RPM
Maximum Temperature	150°C (302°F)
Maximum Overpull	350,000 lb
Battery Life	250 hrs

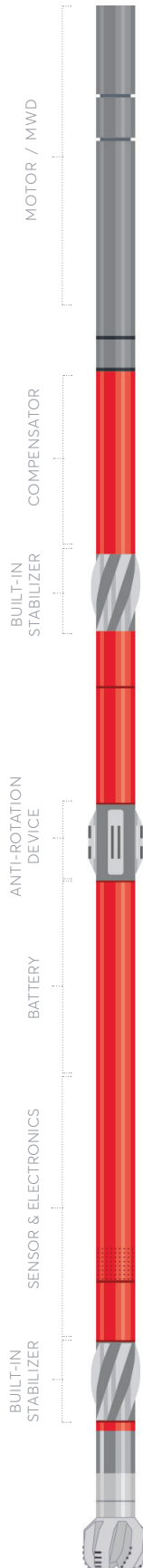
7" RSS

Borehole Sizes	8 3/8" - 10 5/8" in
Tool Length	25 ft (7.6 m)
Tool Weight	2,204 lb
Maximum WOB	53,000 lb
Maximum Dogleg	6° / 100 ft
Maximum Rotary Speed	200 RPM
Maximum Temperature	150°C (302°F)
Maximum Overpull	500,000 lb
Battery Life	200 hrs

10" RSS

Borehole Sizes	12 1/4" - 18 1/2" in
Tool Length	31 ft (9.5 m)
Tool Weight	5,621 lb
Maximum WOB	70,000 lb
Maximum Dogleg	3° / 100 ft
Maximum Rotary Speed	150 RPM
Maximum Temperature	150°C (302°F)
Maximum Overpull	1,000,000 lb
Battery Life	400 hrs

Specifications are subject to change based on well profile. Contact your Gyrodata representative for details. Updated May 2018. Copyright ©2012 Gyrodata, Inc.



Gyrodata's WellGuide RSS is a true closed-loop, fully automated rotary steerable system that enables superior directional control for optimal wellbore placement, ultimately maximizing production.

WellGuide supports pre-programming of the target course for both azimuth and inclination, eliminating routine surface interaction - delivering significant cost savings.

DESIGN + PERFORMANCE

- Non-mag construction for near-bit directional sensor placement (azimuth/inclination) for greater precision and accuracy
- Engineered to provide full control at low angles down to 0.5° ensuring enhanced wellbore integrity compared to conventional RSS systems.
- Compatible with available MWD system to deliver real-time near-bit data (inclination, azimuth, shock, RPM, gamma, confirmation of downlink)
- Seamless integration for wide range of complex operations including azimuthal gamma, pressure, high temperature (175°C/347°F), Gyro While Drilling, and MicroGuide (high density wellbore logging)
- Actuation obtained from internal power, ensuring no pressure drop or hydraulic inefficiencies
- Supports on bottom communication should a deviation from plan be required - reducing disruptions to ongoing operations

MARKET + APPLICATIONS

- Extreme Vertical Control
- Tight Target Mining
- Low Angle Tangent (Nudge) Section
- Multi-Well/Pad Drilling
- Horizontal Drilling and 3D Well Profiles
- Improved Wellbore Integrity
- Motor Assist

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