

PRODUCT SPEC SHEET

WELLGUIDE RSS™

10" Point-the-Bit Rotary Steerable System

GENERAL SPECS

Borehole Sizes	12¼ - 18½ 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

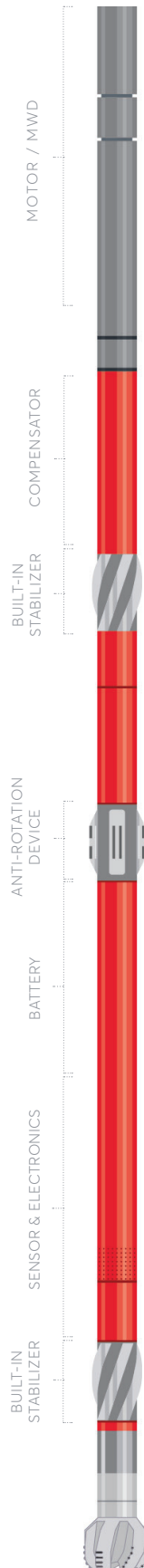
DIMENSIONS

Tool OD	10 in
Bore of Central Shaft	2 ¹³ / ₁₆ in
Upper Connection	6½ in (API reg box)
- Make-Up Torque	42,677 lbft (57,862 Nm)
Lower Connection	6½ in (API reg box)
- Make-Up Torque	42,677 lbft (57,862 Nm)
Weight	12¼ in - 5,621 lb (2.5 t)
	14¾ in - 6,172 lb (2.8 t)
	17½ in - 6,613 lb (3.0 t)

DRILLING PARAMETERS

Max Downhole Torque	30,000 lbft (41,000 Nm)
Max Indicated WOB	70,000 lb (31,000 daN)
Max Overpull	1,000,000 lb (44,000 daN)
Max Overpull (Rerun)	200,000 lbs
Max Downhole Temp	150° C (302° F)
Max Downhole Pressure	20,000 psi (138 MPa)
Max Mud Flow	1200 GPM
Downlink Rotary Speeds	50 - 100 RPM

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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