

PRODUCT SPEC SHEET

WELLGUIDE RSS™

7" Point-the-Bit Rotary Steerable System

GENERAL SPECS

Borehole Sizes	8 $\frac{3}{8}$ - 10 $\frac{3}{8}$ 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	250 hrs

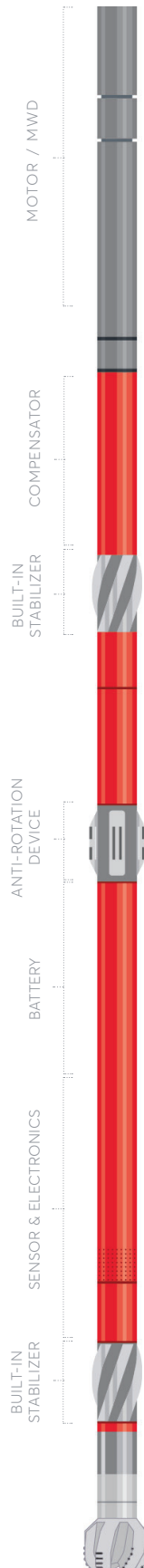
DIMENSIONS

Tool OD	7 in
Bore of Central Shaft	2 $\frac{1}{4}$ in
Upper Connection	4 $\frac{1}{2}$ in (IF box - NC50)
- Make-Up Torque	30,703 lbft (41,672Nm)
Lower Connection	4 $\frac{1}{2}$ in (Regular box)
- Make-Up Torque	17,400 lbft (23,591 Nm)
Weight	8 $\frac{1}{2}$ in - 2204 lb (1.0 t)

DRILLING PARAMETERS

Max Downhole Torque	15,000 lbft (20,000 Nm)
Max Indicated WOB	53,000 lb (24,000 daN)
Max Overpull	500,00 lb (222,000 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	600 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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