

PRODUCT SPEC SHEET

WELLGUIDE RSS™

4¾" Point-the-Bit Rotary Steerable System

GENERAL SPECS

| | |
|----------------------|------------------|
| 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 | 200 hrs |

DIMENSIONS

| | |
|-----------------------|------------------------------|
| Tool OD | 4¾ in |
| Bore of Central Shaft | 1¼ in |
| Upper Connection | 3½ in (IF box - NC38) |
| - Make-Up Torque | 10,000 lbft (13,558 Nm) |
| Lower Connection | 3½ in (Regular box) |
| - Make-Up Torque | 9,000 lbft (12,202 Nm) |
| Weight | 5 7/8 in - 1,212 lb (0.55 t) |

DRILLING PARAMETERS

| | |
|------------------------|--------------------------|
| Max Downhole Torque | 8,000 lbft (10,846 Nm) |
| Max Indicated WOB | 25,000 lb (11,320 daN) |
| Max Overpull | 350,000 lb (160,000 daN) |
| Max Overpull (Rerun) | 100,000 lbs |
| Max Downhole Temp | 150° C (302° F) |
| Max Downhole Pressure | 20,000 psi (138 MPa) |
| Max Mud Flow | 300 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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