



**GYRO WHILE DRILLING
A REVOLUTION IN VALUE**

Javelin-GWD

powered by SPEAR™

gyrodata

The introduction of Javelin-GWD has revolutionized how top hole kick-off, Batch Setting and Multi Well Drilling are performed. The Javelin-GWD XT and Javelin-GWD Solution utilizes Gyrodata's innovative SPEAR™ solid state technology to provide our customers improved operating efficiency and assist them in their pursuit in carbon footprint reduction. This Solution has been specifically designed for your standard top hole kick-off environment; it is more efficient with increased reliability compared to any competing spinning mass GWD system.

Javelin-GWD only takes 2 minutes 30 seconds to collect a survey - Up to 2 minutes faster per survey compared to the competing gyroMWD system and Legacy GWD.

FEATURES + BENEFITS

The benefits of the Javelin-GWD are primarily in the speed, efficiency, and reliability in which it operates. Below are Javelin-GWD's top 5 benefits to you as an operator:

- Reduce operation time, Javelin-GWD is up to 2 minutes faster compared to the Legacy system
- New processing technique achieves 95% survey acceptance, improving operational efficiency
- Javelin-GWD supports operators in their quest to reduce their carbon footprint through technology and efficiency
- Uncrewed capability reduces personnel on-site
- Javelin-GWD can withstand 25% increased flow and is 3-5 times more robust compared to Legacy GWD

MARKET + APPLICATIONS

- Collision Avoidance
- Magnetic Interference
- Vertical and lower Angle Drilling
- Batch Setting Operations
- Multi-Well Pad Drilling
- Onshore Drilling
- Fix Offshore Drilling
- Side-Track

GWD SYSTEM COMPARISON

	Javelin-GWD	GyroMWD Competition
Type of Gyro Sensor	3 Single Axis Coriolis Vibratory Rate Gyros	2 Axis Spinning Mass Gyro
Solid State Technology	Yes	No
Sensor Technology (Date First Introduced)	2019	Pre 1995
Inclination Operating Range	0 - 40 Deg	0 - 20 Deg
Shock & Vibration Rating	20 g _{RMS}	8 g _{RMS}
Affected by Mass Unbalance	No	Yes
East-West Cautionary Zone Mitigation Required?	No	Yes
Reactive Torque Fluctuation	475 Deg / Sec	Unknown
Fastest Survey Collection Time - Gyro Compass	150 Seconds	> 300 Seconds
Uncrewed Operation	Yes	Limited
Operation Time (Standalone)	Up to 300 Hours	Up to 250 Hours
Operation Time (Modular)	Up to 28 Days with Javelin-GWD XT	Unknown

Javelin-GWD

powered by SPEAR™

gyrodata.com

Copyright © Gyrodata, Inc 2022.