

Solid-state low-angle gyro while drilling

Revolutionizing how tophole kickoff, batch setting, and multiwell drilling are performed

Applications

- Collision avoidance
- Vertical and low-angle drilling
- Multiwell pad drilling
- Areas of magnetic interference
- Onshore and offshore drilling
- Sidetracking
- Batch well drilling

Benefits

- Reduces operating time
- Assures precise wellbore guidance
- Minimizes the number of onsite personnel
- Lowers carbon footprint

Features

- Performance unaffected by magnetic interference



Javelin GWD solid-state low-angle gyro while drilling can complete a survey in just 2½ minutes.

How it improves performance

Javelin GWD™ solid-state low-angle gyro while drilling transforms tophole kickoff, batch setting, and multiwell drilling. Using solid-state technology, it significantly enhances the accuracy of surveys, even in the most extreme conditions. Designed specifically for standard tophole kickoff environments, this innovative solution surpasses traditional spinning-mass gyro-while-drilling systems in both efficiency and reliability. It can complete a survey in just 2½ min —up to 2 min faster than competing gyro measurement-while-drilling and legacy gyro-while-drilling systems.

Javelin GWD Specifications

Specifications	Javelin GWD gyro while drilling
Type of gyro sensor	3 single-axis coriolis vibratory rate gyros
Solid-state technology	Yes
Inclination	0°–40°
Shock and vibration rating	20 g _n
Affected by mass unbalance	No
East-west cautionary zone mitigation requirement	No
Fastest survey collection time	150 s
Operation time	Up to 300 h using 2 lithium batteries

All specifications are subject to change without notice.