



**North seeking production
hole measurement informing
better blasting outcomes.**

Description

OMNIX™BOLT is a highly accurate gyro navigation solution purpose-built for measuring in-hole deviation in production hole applications. Combining a high precision north seeking gyro with a custom manual deployment system and intuitive software, OMNIXBOLT enables resource companies and contractors to easily survey and analyse planned vs. actual results at any time, in order to inform decision-making prior to blasting.

With no requirement for an IT or EWP, the OMNIXBOLT Guider supports continuous up hole surveying from the ground whilst the robust fibreglass reel is easily manoeuvred and setup for multiple blast holes within a stope.

Data Solution

SURVEYx™MINE software allows bulk upload of drill holes and provides a streamlined, multiple hole surveying workflow.

Upon gyro download, operators are provided immediate drill hole QA/QC with results able to be exported in dxf and csv formats. In addition, SURVEYxMINE provides the option to generate and email a comprehensive deviation report that includes 2D plotting and analysis of misclose, setup error and over/short drill results.

Advantages

- Survey from the ground without an IT or EWP
- Bluetooth connectivity enables tablet operation up to 10m away
- Long life battery supports continuous surveying all shift
- Simple system setup between drill holes with gyro quick release coupling
- Clip-fast centralisers support quality results whilst providing flexibility during tool retrieval
- Custom safety features include rock deflector plate and eddy current brake to control speed of rod dispensing
- Immediate QA/QC results
- Rental solution with no service providers required

Dimensions

Outer diameter	38mm
Length	1900mm
Weight	Approx. 5kg

Operational Environment

Operational Temperature	0°C to + 70°C (32°F to + 158°F)
Pressure	2 MPa (300psi)
Depth	100m in 1.22 SG Brine

Performance

Azimuth*	± 0.4° (at 0° latitude)
Dip	± 0.25°
Survey Mode	Continuous NS (± 30° to ± 90° dip) Continuous Manual Ref.** (+30° to -30° dip)

Battery

Type	Rechargeable Ni-MH
Operating time	12 hours per battery (2 per kit)
Field chargeable	Yes

Data

Quantity	11 hours of continuous data
Export	USB or PDF by Email
Format	CSV + DXF

Deployment System

Rodder Reel	Rod OD - 11mm Rod length - 40m 100m Reel weight - 20kg 36kg
Guider	Stacked length - 2m Full length - 6.5m Weight - 8kg

*Results depend on latitude and inclination.
Accuracy quoted at 1σ, -70deg dip and 90s NS.
**Requires reference azimuth input.

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