



# GEOBOLT

## Improved cargo security and visibility

TydenBrooks' GeoBolt is a reusable state-of-the-art tracking device that delivers visual tamper evidence, monitors location including geo-fencing and offers real-time alerts to cargo owners, when and where tampering occurs. Co-developed with one of the leaders in fleet management and GPS tracking, GeoTech, the electronic device transmits information to the GeoSmart global platform using its GSM Network communication abilities, along with its embedded GPS technology.

The GeoBolt can be used in a wide range of logistics and transportation applications without the need for any special preparation, wiring or installation. The device uses a high security bolt seal that is ISO 17712: 2013 compliant, making it a robust, secure and cost effective cargo security solution.

The GeoBolt is fully integrated with GeoSmart. GeoSmart is the web platform specifically developed for the Geobolt with state-of-the-art programming language Ruby on Rails, supported by one of the world's most reliable database managers Oracle, and hosted on Rackspace the #1 cloud management company in the world. The GeoSmart platform provides complete asset visibility, helps its users control their cargo operations from any place in the world and detects anomalies in the supply chain in.



Reliable & Cost-effective  
Global GSM coverage.



Real time adjustable alerts  
and notifications.



Quick and easy installation  
Ultra-resistant ABS plastic  
housing.



Long-lasting rechargeable  
battery.



Bolt seal meets ISO PAS  
17712:2013.



Stores up to 2000 reports in  
case the device loses signal.

## DATASHEET: GEOBOLT

### Battery

- Type: LI-ION rechargeable
- Nominal Voltage: 3.7 V
- Capacity: 10400 mAh

### Battery Life

- 18 days at 1/2 hour
- 34 days at 1 hour
- 140 days at 6 hour

### Charging

- Charge Indicator LED is located on device charger
- Red - Actively Charging
- Green - Fully Charged
- Off - Unplugged From Device

### Tensile Strength

- Seal provides more than 4,500 lbs (20 kgs; kN) of pull-out strength; bolt cutters required for removal

### Communications

- Dual-Band UMTS/HSPA+: 850/1900 MHz
- Dual-Band GSM/GPRS/EDGE: 850/1900 MHz
- Data support: SMS, GPRS, UDP 217+128
- Location Technology: GPS including QZSS, SBAS ranging

### Certifications

- FCC-part 15B and ICES, CE, IP65

### Dimensions and Weight

- 72 mm x 10 mm x 41 mm (310 g)
- 2.83" x.39" x1.61" (.68lbs)

### Temperature:

- -20° C to 70° C (-4° F to 158° F) operating
- 0° C - 40° C (32° F - 104° F) storage

### Key Features

- Send alerts and notifications for seal manipulation
- Ultra-resistant ABS plastic housing
- Stores up to 2000 reports during inactive signal
- Each seal contains an unique ID number hard coded into its data bank
- Voltage monitoring and low battery notification
- Internal GSM and GPS antennas
- High Security, ISO 17712:2013 certified bolt
- Adjustable reporting time

### Electrical

- Voltage operation: 4.2 V
- Power Consumption: <2 mA
- (deep sleep), <120 mA (Active)

### Indicator LEDS

#### Ambar LED

This is an indicator of GPS status

- **Slow Flashing:** Indicates a GPS error
- **Off:** Indicates that the position is not available
- **Single Short Blink:** Indicates the GSM is registered and the GPRS bearer is available
- **Double Short Blink:** High GPS quality, indicates that the position indicated is reliable

#### Green LED

This is an indicator of Cellular Network status.

- **Slow Flashing:** Indicates a GPS error
- **Fast Flashing:** Indicates the unit id not registered on GSM or GPRS
- **Single Short Blink:** Indicates the GSM is registered and the GPRS bearer is available
- **Double Short Blink:** High GPS quality, indicates that the position indicated is reliable