

Sentinel Integrity Monitoring Rockbolt

FEATURES

- Easily installed
- Proven & reliable in harsh mining & civil engineering environments
- Suitable for various lengths
- Read using simple strain meter

APPLICATIONS

The Sentinel Integrity Monitoring Rockbolt is a new concept in rockbolting safety. The Sentinel is a modified AT rockbolt which can signal to the Mine Rockbolting Engineer whether it is broken and, if so, where.

Bolt failure can occur due to overloading and/or corrosion and when it occurs it can be difficult to detect. We recommend that a row of Sentinel bolts is placed across the tunnel at regular intervals as substitutes for the standard rockbolts. The exact spacing would depend upon local circumstances.



An installed Sentinel bolt is read by inserting a simple probe connected to an IS strain meter into an environmentally protected sleeved socket at the end of the bolt. The strain meter reading provides a clear indication of the bolt integrity.

The Sentinel has undergone extensive testing prior to release. When used in conjunction with Dual Height Telltales, the Sentinel provides added confidence in the installed rockbolting system.