

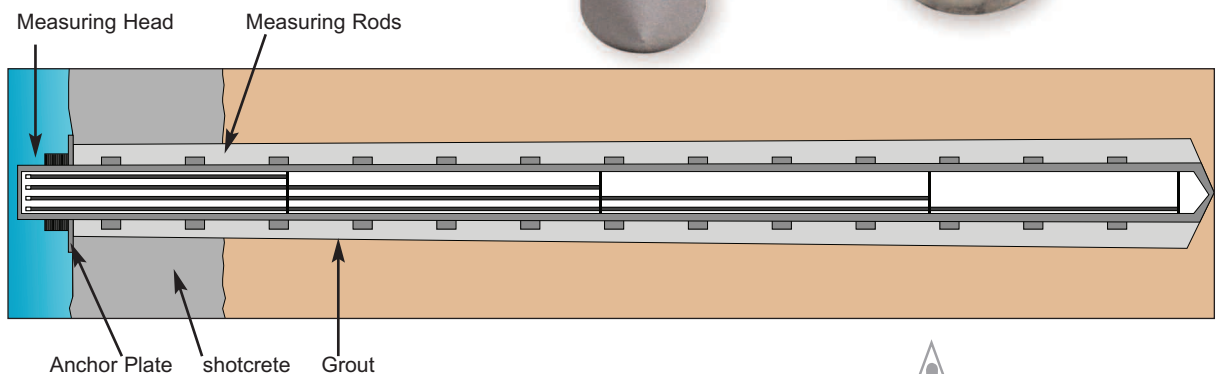
measuring anchors



Measuring anchors are a combination of a rock bolt and an extensometer and are used to determine the load exerted on rock bolts.

They consist of a hollow anchor body, the sectional area and material of which corresponds to that of the rock anchor being monitored.

Within the anchor body there are four mini extensometer rods with anchor points at four different locations. Each rod extends up to the top head where changes of length due to extension or compression between each anchor point can be measured using a mechanical dial gauge, VW potentiometer or transducer.



Applications

- Tunnels including NATM
- Mines
- Dams
- Bridge Abutments
- Retaining Walls
- Rock Formations
- Foundations

Features

- Simple & robust construction
- Replaces system anchor
- No extra borehole required
- Automatic data acquisition possible
- 250kN capacity
- Range $\pm 10\text{mm}$
- 50mm drilling diameter

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Specifications

Lengths	2, 3, 4, 6 metres
Anchor points	4
Capacity	250 kN
Maximum diameter	38mm
Minimum borehole diameter	50mm
Body	Steel
Rods	Stainless steel
Head	Stainless steel
Range - manual	± 10mm
Range - VW	± 10mm
Resolution - manual	0.01mm
Resolution - VW	0.01mm
Accuracy - VW	<0.5% FS
Signal output VW	Frequency

Ordering Information

When ordering please specify:

Length

Anchor positions

Readout type (Manual/VW)

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Specifications may be changed without prior notice

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