

Model 4360 VW Soft Inclusion Stress Cell (SISC)

The Model 4360 Vibrating Wire SISC is a larger version of the Model 4300 Borehole Stressmeters. The SISC is pre-loaded by wedging it into a large size diamond drill hole using an integral screw mechanism or hydraulic piston and can be set to measure both tensile and/or compression stress changes. It has been used successfully in 152 mm diameter overcoring holes (drilled to measure in situ stresses) to measure Aggregate/Alkali Reactions (AAR) in concrete dams.

Specifications

Standard Range ¹	±35 MPa
Sensitivity ¹	35 kPa
Temperature Range	-20°C to +80°C
Borehole Diameter ²	NX, PQ, HQ, 152 mm

¹Proportional to rock modulus; figures given are for $E = 0.03 \times 106 \text{ MPa}$.

²Other diameters available on request.