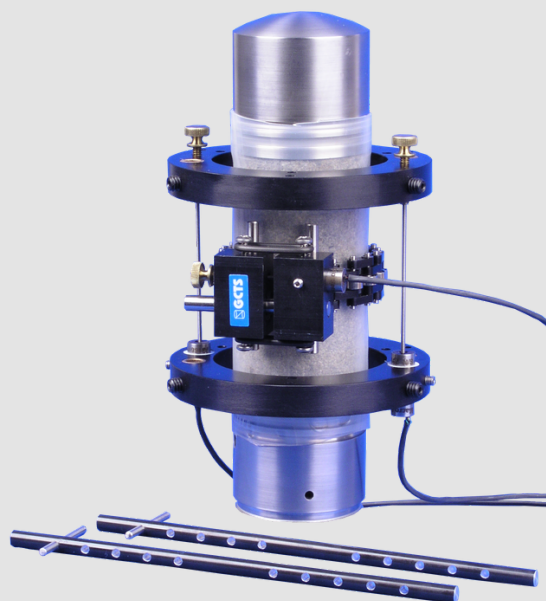


DEF Series

Rock On-Specimen Deformation Setup

Exceeding today's standards, ready for Tomorrow's challenges

- Measures axial and lateral strains directly on the rock specimen for enhanced accuracy in triaxial and other tests.
- Supports specimen diameters from $\varnothing 25$ mm (1") to $\varnothing 150$ mm (6")
- Available for up to 210 MPa (30,000 psi) and 200 °C (392 °F)
- Offers straightforward setup and operation



RADIAL STRAIN

The DEF-RCP circumferential roller assembly utilizes high-precision roller bearings and an LVDT holder block to accurately capture average radial strains.



HIGH PRECISION

Provides direct, accurate axial and lateral strain measurement on the specimen surface in high-pressure and high-temperature rock testing.



AXIAL STRAIN

The DEF-AXC-R axial strain measurement rings feature upper and lower LVDT holder rings with two deformation sensors positioned at 180 degrees to determine average axial strain.



EASY SETUP

The DEF-TWR tower fixture enables rapid, precise alignment and mounting of the DEF-AXC axial strain rings and DEF-RAD radial fixture onto the specimen.

DEF Series

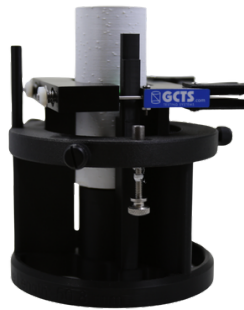
Rock On-Specimen Deformation

Deformation Tower Fixture (DEF-TWR)

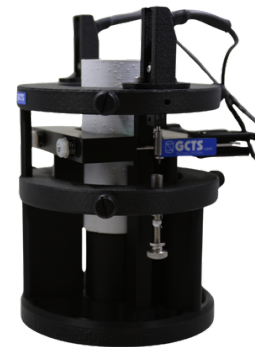
The DEF-TWR tower fixture provides rapid, precise alignment and mounting of the DEF-AXC axial strain measurement rings and DEF-RAD radial fixtures. Its stable, purpose-built design ensures accurate positioning of upper and lower LVDT holder rings, minimizes setup errors, reduces preparation time, and delivers consistent sensor placement for reliable axial strain data in an unconfined environment.



STEP 1: SET
SPECIMEN HEIGHT



STEP 2: PLACE
AXIAL RINGS AND
RADIAL FIXTURE



STEP 3: REMOVE
SPECIMEN AND
AXIAL RINGS FROM
TOWER

- Enables fast, repeatable mounting of DEF-AXC axial rings and DEF-RAD radial fixture
- Ensures precise 180-degree sensor alignment and consistent gauge length
- Reduces operator time and variability in demanding unconfined applications
- Compatible with $\varnothing 25$ mm (1") to $\varnothing 63.5$ mm (2.5") specimens

Quote Now!