

Conductor wire testing

Capability

■ Tensile wire testing

- *Elastic, plastic*
- $T \leq \sim 250\text{ }^{\circ}\text{C}$
- $F \leq \sim 10\text{ kN}$

■ Creep wire testing

- *Creep and stress relaxation*
- $T \leq \sim 250\text{ }^{\circ}\text{C}$
- $F \leq \sim 10\text{ kN}$

■ Fatigue wire testing

- *Pure and fretting fatigue*
- $F \leq \sim 20\text{ kN}$
- $R \geq 0$ ($R = \sigma_{\min}/\sigma_{\max}$)
- $f \leq \sim 100\text{ Hz}$

Gripping arrangement for tensile and creep wire testing

