



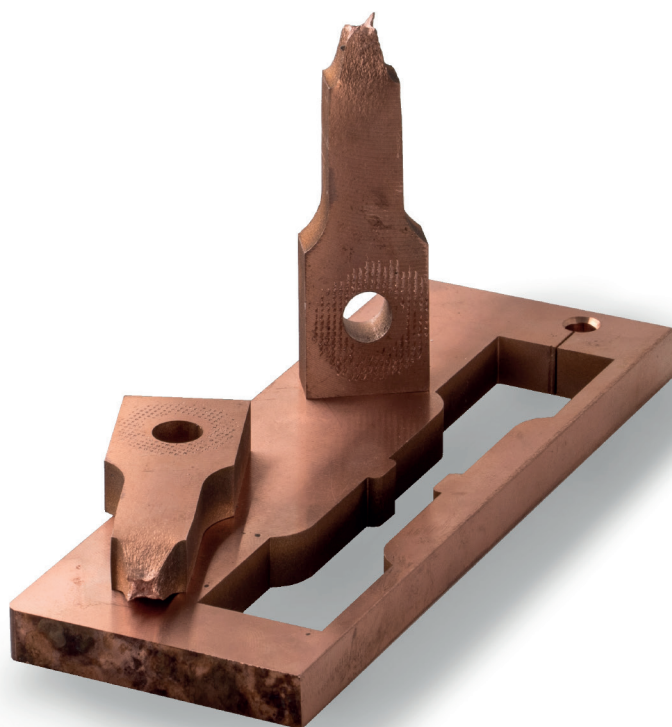
# Expertise in advanced mechanical testing

Mechanical testing of an engineering material is the basis for structural analyses of any load-bearing component. As materials become increasingly advanced in their design and intended applications, highly specialised mechanical testing methods are needed in addition to standard mechanical testing.

The Swerim Mechanical Properties research environment has extensive experience in highly specialised mechanical testing, and offers various services to our customers.

## Tailor made testing for characterisation of mechanical properties

Do you need material data for a certain material? Or help in deciding on a suitable material for a specific application? We can design the testing procedures and specimen geometries, perform the testing and analyse the results that you require.



## Advanced testing in extreme conditions

We have the necessary expertise and equipment for testing materials at different temperatures, in aggressive environments, at time scales ranging from fractions of a second, to years.

## Material data for FE-simulations

A correct description of the material behaviour is a prerequisite for accurate analyses of structural components or manufacturing processes using simulation tools. We can deliver material data for strength analyses and calibrate parameters for material models.

### Contact

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