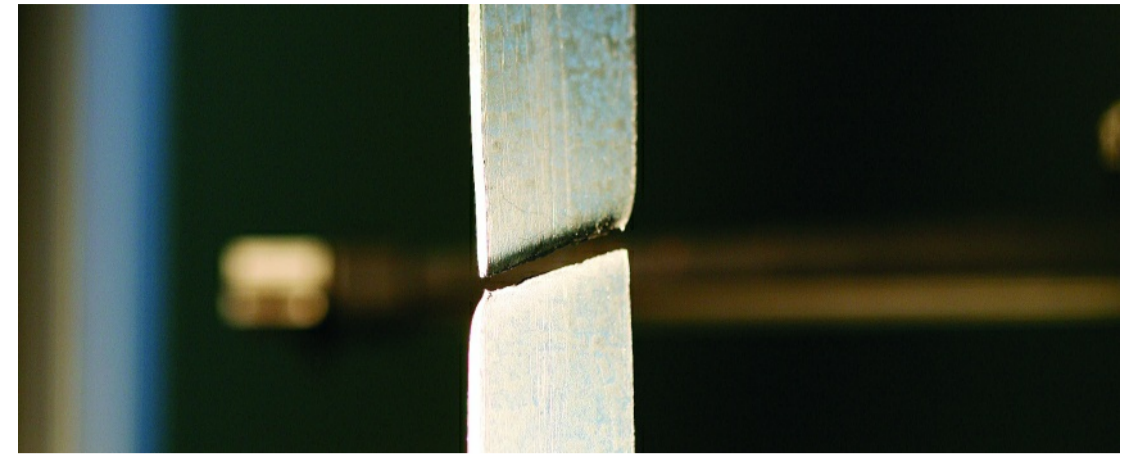


# MECHANICAL PROPERTIES OF METALLIC MATERIALS

**Measure the mechanical properties of a metallic material**



## Your expectations

- You would like to carry out tests to know the mechanical properties specific to your material
- You would like to determine the steel grade corresponding to your material
- You are seeking reliable analysis and characterisation methods
- You would like to ensure the traceability of your mechanical tests

## Our solutions

- A specialised team and resources in the field of test and characterisation of metallic materials
- Static tensile tests to determine the mechanical properties (maximum strength, yield strength, module of elasticity, elongation, etc.), at room temperature, at high temperatures up to maximum 1 250°C, at low temperatures ranging to -196°C.
- Impact bending tests (measurement of notch impact strength) on previously notched metallic test specimen, between ambient temperature and -196°C,
- Hardness measurements (Vickers, Brinell and Rockwell B and C)
- Flattening, bending, flaring tests,
- Tests and characterisation of many metals and alloys, either on standardised tests specimens or on products (tubes, bolts, etc.)

## Your benefits

- Standardised mechanical tests or tests customised to meet your requirements
- Development of specific test protocols
- COFRAC accredited tests (accreditations COFRAC No. 1-1006 & No. 1-6755 - Scope available on [www.cofrac.fr](http://www.cofrac.fr))
- Tailored and responsive service providing you with 6 local laboratories
- Access to the multidisciplinary skills of metallurgical teams to optimise your products
- Expertise relating to the whole of the usual metal processing (machining-bar turning, metallic additive manufacturing, welding, rolling, casting, forging, etc.).
- An independent laboratory and a major player in the aerospace, energy, rail, automobile, medical and naval sectors).



**Question and Answer Service**  
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