

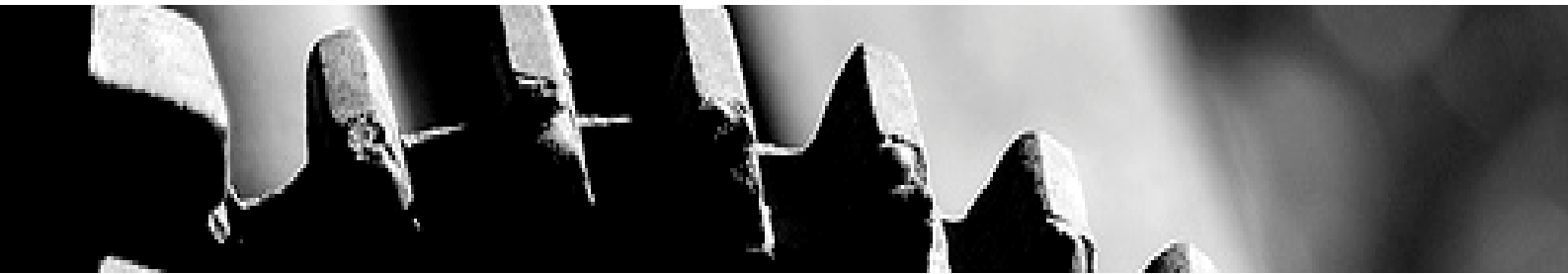
SAFETY OF MECHANICAL PRODUCT

Mechanical products, despite their apparent simplicity, often conceal countless pitfalls and dangers for end users. As a result of increasing media attention to this issue, consumer awareness of the importance of using products with independent third party **safety certifications** has increased after careful **risk analysis** and enforcement of **safety regulations** to ensure that they remain safe even

after prolonged use or if subject to misuse but reasonably foreseeable.

Since this is the current approach in the market, for manufacturers and distributors, proposing **certified products** is now a successful choice.

The conformity of the product can be assessed by our experts according to two specific procedures: **Type Approval Procedure** and **MTIC Quality Mark**.



Type Approval Procedure

Step 1: WITNESS TEST on-site (at the Manufacturer's headquarters)

MTIC Group is active in the tests to verify the correct compliance of the products subject to certification with the regulatory requirements. The activity involves the release of a TEST REPORT. As an alternative to the Witness Test, a Test Programme can be carried out at a Qualified Laboratory. Among the tests that may be conducted:

- Resistance to fracture and traction
- Tests under conditions of misuse of the product
- Stability and drop tests
- HIC measurement for shock-absorbing surfaces
- Bending tests
- Mechanical shocks
- Fatigue tests
- Lifecycles

SAFETY OF MECHANICAL PRODUCT

Step 2: TECHNICAL EXAMINATION and DOCUMENTAL REVIEW

Technical analysis of construction features and other elements such as:

- Functionality
- Mechanical strength
- Ability to withstand mechanical and thermal stresses

Analysis of the documentation provided with the product:

- Evaluation of use and maintenance manuals
- Possible documentation relating to the assembly / installation of the product

Step 3: FACTORY INSPECTION

Audit at the manufacturer's site to assess the production system and the company's ability to give repeatability to mass production compared to the sample being tested.

MTIC Quality Mark

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Step 4: FINAL REPORT & CONFORMITY CERTIFICATION

Issue of the final report and certification with the possibility of using the **MTIC Quality Mark**.

The application of the **MTIC Quality Mark** on the product has always been synonymous with safety, professionalism and third parties thanks to controls by qualified professionals, thus guaranteeing greater reliability compared to self-certifications.