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TECHNICAL ISO/TR

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Mechanical testing of metals — Symbols and definitions in published standards

Essais mécaniques des métaux — Symboles et définitions figurant dans les normes publiées



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

In exceptional circumstances, when a technical committee has collected data of a different kind from that which is normally published as an International Standard ("state of the art", for example), it may decide by a simple majority vote of its participating members to publish a Technical Report. A Technical Report is entirely informative in nature and does not have to be reviewed until the data it provides are considered to be no longer valid or useful.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO/TR 25679 was prepared by Technical Committee ISO/TC 164, *Mechanical testing of metals*.

This first edition of ISO/TR 25679, together with ISO 23718¹⁾, *Metallic materials — Terms used in mechanical testing*, cancel and replace ISO/TR 12735-1:1996, *Mechanical testing of metals — Symbols used with their definitions — Part 1: Symbols and definitions in published standards*.

1) In preparation.

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Introduction

This index of symbols and definitions in published standards has been prepared to provide an appropriate means for avoiding contradictions and misunderstandings and to standardize various kinds of symbols and their definitions generally used in this field. Wherever possible, the same symbol has been used to denote the same type of parameter in the different tests, but the differing types of test piece, product form and test have to be taken into account. This has not been universally possible and symbols should always be considered in the context of the specific method of test being used.

In the discussion of revising ISO/TR 12735-1:1996, common terms among the published standards were selected and a Draft International Standard covering terminology: ISO/DIS 23718, *Metallic materials — Terms used in mechanical testing*, was prepared. This Technical Report, which is an index of symbols and definitions, was separated from the terminology (ISO/DIS 23718) in order to be updated flexibly in future.