

INTERNATIONAL STANDARD

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Key type three-jaw drill chucks — Specification

Mandrins de perceuse trois mors à clé — Spécifications



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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 3.

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.

International Standard ISO 10887 was prepared by Technical Committee ISO/TC 29, *Small tools*.

Key type three-jaw drill chucks — Specification

1 Scope

This International Standard specifies the dimensional characteristics and concentricity tolerance requirements for key type three-jaw drill chucks with taper bore or internal thread mounts.

Three classes of chucks are specified, namely:

- Heavy (H)
- Medium (M)
- Light (L)

for use in various fields of activity.

Basic dimensions for three-jaw drill chuck keys are also specified.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 239:1999, *Drill chuck tapers*.

ISO 263:1973, *ISO inch screw threads — General plan and selection for screws, bolts and nuts — Diameter range 0.06 to 6 in.*

ISO 725:1978, *ISO inch screw threads — Basic dimensions*.

ISO 5864:1978, *ISO inch screw threads — Allowances and tolerances*.

3 Classes

For the purposes of this International Standard the following classes of use are defined:

Class	Type	Use
H	Heavy duty chucks	for use on machine tools and heavy duty portable machines
M	Medium duty chucks	primarily for use on light industrial and portable tools
L	Light duty chucks	for use on light industrial and the do-it-yourself (D.I.Y.) range of tools, corded or cordless