

INTERNATIONAL
STANDARD

ISO
11054

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**Cutting tools — Designation of high-speed
steel groups**

iTeh STANDARD PREVIEW
Outils coupants — Désignation des groupes d'aciers rapides
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ISO 11054:1993

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Reference number
ISO 11054:1993(E)

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.

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 11054 was prepared by Technical Committee ISO/TC 29, *Small tools*.

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Cutting tools — Designation of high-speed steel groups

1 Scope

This International Standard specifies the designation of groups of high-speed steels used for manufacturing cutting tools such as taps, drills, etc. It is not intended to specify the composition of high-speed steels, which is stated in ISO 4957.

on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 4957:1980, *Tool steels*.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based

3 Designation

Table 1 gives the code designation of the most commonly used high-speed steels for cutting tools.

In addition to the standardized code, a supplementary symbol may be added by the manufacturer for a fuller description of his products.

Table 1

Code	Definition	Examples of grade according to ISO 4957
HSS	High-speed steel with less than 4,5 % cobalt and less than 2,6 % vanadium	S 1 to S 4
HSS-E	High-speed steel with at least 4,5 % cobalt or at least 2,6 % vanadium	S 5 to S 8

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