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Cutting tools — Designation of high-speed steel groups

Outils coupants — Désignation des groupes d'aciers rapides



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Foreword

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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.

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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.

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

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*.

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 |