INTERNATIONAL STANDARD

ISO 12725

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Nickel and nickel alloy castings

Pièces moulées en nickel et alliages de nickel



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.

International Standard ISO 12725 was prepared by Schnical Committee ISO/TC 155, Nickel and nickel alloys, Subcommittee 20,2, Wrought and cast nickel and nickel alloys.

Annex A of this International Standard is for information only.

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Nickel and nickel alloy castings

1 Scope

This International Standard specifies requirements for nickel and nickel alloy castings. The grades covered represent types of alloys suitable for a broad range of application in a wide variety of corrosive and high temperature environments.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication the editions indicated were 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 editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 4990:1986, Steel castings — General technical delivery requirements.

ISO 6372-1:1989, Nickel and nickel alloys — Terms and definitions — Part 1: Materials.

ISO 6372-3:1989, Nickel and nickel alloys — Terms and definitions Part 3: Wrought products and castings.

ISO 6892:—1), Metallic materials — Tensile testing at ambient temperature,

ISO/TR 9721:1992, Nickel and nickel alloys — Rules for material description ased on chemical symbols.

3 Definitions

For the purposes of this International Standard, the definitions for nickel and nickel allows given in ISO 6372-1 and for castings given in ISO 6372-3 as well as the following apply.

- **3.1** master heat: A single furnace charge of refined alloy which may either be poured directly into castings or into remelt alloy for individual melts.
- **3.2 melt:** A single furnace charge poured into castings. When master heats are used to prepare melts, a melt analysis should be reported.

¹⁾ To be published. (Revision of ISO 6892:1984)