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Ferronickel - Specification and delivery requirements (ISO 6501:2020)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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6501:2020)

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EN ISO 6501:2020 (E)

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European foreword

This document (EN ISO 6501:2020) has been prepared by Technical Committee ISO/TC 155 "Nickel and nickel alloys" in collaboration with CCMC.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2020, and conflicting national standards shall be withdrawn at the latest by December 2020.

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

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The text of ISO 6501:2020 has been approved by CEN as EN ISO 6501:2020 without any modification.

INTERNATIONAL STANDARD

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Ferro-nickel — Spécifications et conditions de livraison



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ISO 6501:2020(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 155, *Nickel and nickel alloys*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC SS M14, *Nickel*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 6501:1988), which has been technically revised. The main changes compared with the previous edition are as follows:

- expressions such as “agreement between parties” have been reduced or eliminated (because if a standard or part of it is to be agreed, there is no need for that International Standard);
- the ferronickel delivery market requirements have been updated;
- FeNi classification has been clarified according chemical composition and combination of Ni content ([Table 1](#)) and impurities ([Table 2](#)); this was previously in one table.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Ferronickel — Specification and delivery requirements

1 Scope

This document specifies the technical delivery requirements for the various forms of ferronickel (ingots, pieces and shot) usually supplied for steel making and foundry use.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6352, *Ferronickel — Determination of nickel content — Dimethylglyoxime gravimetric method*

ISO 8049, *Ferronickel shot — Sampling for analysis*

ISO 8050, *Ferronickel ingots or pieces — Sampling for analysis*

ISO 14284, *Steel and iron — Sampling and preparation of samples for the determination of chemical composition*

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