INTERNATIONAL STANDARD

ISO 16143-3

First edition 2005-04-01

Stainless steels for general purposes —

Part 3:

Wire

Aciers inoxydables pour usage général — Partie 3: Fil



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Published in Switzerland

Contents

Page

| Forewordiv | | |
|------------------------|--|--------|
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | |
| 4 | Designation Design | |
| 5 | Information to be supplied by the purchaser | 2 |
| 6 6.1 6.2 6.3 | Manufacturing conditions General Treatment conditions Surface finish Requirements Manufacturing process | _ |
| 7 7.1 | Manufacturing process | 1 1 |
| 7.2 | Delivery condition | 4 |
| 7.3 | Delivery condition | 4 |
| 7.4 7.5 | Tolerances on dimension | ‡ 4 |
| 8 | Inspection, testing and conformance of products General Inspection and testing procedures and types of inspection documents | · - |
| 8.1 | General | 5 |
| 8.2 | Inspection and testing procedures and types of inspection documents | 5 |
| 8.3 | Specific inspection and testing | 5 |
| 8.4 8.5 | Retests | S S |
| 9 | Marking | 6 |
| 10 | Packing | 6 |
| Riblion | uranhy 11 | 5 |
| | Test methods Retests Marking Packing Iraphy Italy Ita | |

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 Maison 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 2.

The main task of technical contrittees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires applying by at least 75 % of the member bodies casting a vote.

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143-3 was prepared by Technoly steels.

6143 consists of the following parts, under the part 1: Flat products

Part 1: Flat products

Part 3: Wire

Ontography

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

ISO 16143-3 was prepared by Technical Committee ISO/TC 17, Steel, Subcommittee SC 4, Heat treatable and alloy steels.

ISO 16143 consists of the following parts, under the general title *Stainless steels for general purposes*:

Stainless steels for general purposes —

Part 3: Wire



1 Scope

This part of ISO 16143 specifies requirements for stainless steel wire for common use for which no product standard exists. It includes round, flat and shaped wire (such as square, hexagonal or rectangular wire), made of the most commonly used types of stainless steels for general corrosion resistance and high-temperature service. The wire may be supplied in coils or in straightened and cut lengths.

NOTE Steel wire made of corrosion resistant stainless steel is manufactured from steels mentioned in ISO 16143-2, and steel wire intended for high-temperature purposes is manufactured from steels mentioned in ISO 4955.

Excluded from this part of ISO 16143 and

- wire for cold heading;
- welding wire, and
- any wire for which a specific product standard exists.

2 Normative references

The following referenced documents are indispensable for the application 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 404:1992, Steel and steel products — General technical delivery requirements

ISO/TS 4949:2003, Steel names based on letter symbols

ISO 4955:2005, Heat-resistant steels

ISO 6892:1998, Metallic materials — Tensile testing at ambient temperature

ISO/TR 9769:1991, Steel and iron — Review of available methods of analysis

ISO 10474:1991, Steel and steel products — Inspection documents

ISO 14284:1996, Steel and iron — Sampling and preparation of samples for the determination of chemical composition

ISO 16143-2:2004, Stainless steels for general purposes — Part 2: Semi-finished products, bars, rods and sections

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