

# INTERNATIONAL STANDARD

**ISO**  
**6208**

First edition  
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## **Nickel and nickel alloy plate, sheet and strip**

*Plaques, tôles et bandes en nickel et alliages de nickel*



Reference number  
ISO 6208:1992(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 6208 was prepared by Technical Committee ISO/TC 155, *Nickel and nickel alloys*, Sub-Committee SC 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 plate, sheet and strip

## 1 Scope

This International Standard specifies requirements for hot-rolled or cold-rolled nickel and nickel alloy plate, sheet and strip, for general applications in the following size ranges:

- plate over 4 mm up to and including 100 mm;
- sheet up to and including 4 mm;
- strip up to and including 4 mm.

## 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/R 204:1961, *Non-interrupted creep testing of steel at elevated temperatures.*

ISO/R 206:1961, *Creep stress rupture testing of steel at elevated temperatures.*

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 6507-1:1982, *Metallic materials — Hardness test — Vickers test — Part 1: HV 5 to HV 100.*

ISO 6508:1986, *Metallic materials — Hardness test — Rockwell test (scales A - B - C - D - E - F - G - H - K).*

ISO 6892:1984, *Metallic materials — Tensile testing.*

ISO/TR 7003:1990, *Unified format for the designation of metals.*

ISO/TR 9721:—<sup>1)</sup>, *Nickel and nickel alloys — Code of designation based on chemical symbols (To be published as an ISO/TR type 2).*

ISO 9722:1992, *Nickel and nickel alloys — Composition and forms of wrought products.*

ASTM E 112:1988, *Standard methods for determining the average grain size.*

## 3 Definitions

For the purposes of this International Standard, the definitions for nickel and nickel alloys in ISO 6372-1 and for plate, sheet and strip in ISO 6372-3 apply.

**3.1 heat:** The product of a furnace melt or a number of melts that are mixed prior to casting.

**3.2 lot:** Plate, sheet or strip of the same thickness, from the same heat, heat treated together or sequentially heat treated in a continuous furnace, but in no case for longer than 16 h of production.

## 4 Alloy identification

For the purposes of this International Standard, the principles for alloy identification in ISO/TR 7003 and in ISO/TR 9721 apply.

1) To be published.