



SLOVENSKI STANDARD SIST EN ISO 12153:2023

01-marec-2023

Nadomešča:
SIST EN ISO 12153:2012

Dodajni in pomožni materiali za varjenje - Strženske žice za obločno varjenje niklja in nikljevih zlitin, v zaščitnih plinih in brez zaščite - Razvrstitev (ISO 12153:2022)

Welding consumables - Tubular-cored electrodes for gas-shielded and non-gas-shielded metal arc welding of nickel and nickel alloys - Classification (ISO 12153:2022)

Schweißzusätze - Fülldrahtelektroden zum Metall-Lichtbogenschweißen mit und ohne Gasschutz von Nickel und Nickellegierungen - Einteilung (ISO 12153:2022)

Produits consommables pour le soudage - Fils-électrodes fourrés pour soudage à l'arc avec ou sans gaz de protection du nickel et des alliages de nickel - Classification (ISO 12153:2022)

Ta slovenski standard je istoveten z: EN ISO 12153:2022

ICS:

25.160.20	Potrošni material pri varjenju	Welding consumables
77.120.40	Nikelj, krom in njune zlitine	Nickel, chromium and their alloys

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EUROPEAN STANDARD

EN ISO 12153

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2022

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Supersedes EN ISO 12153:2012

English Version

Welding consumables - Tubular-cored electrodes for gas-shielded and non-gas-shielded metal arc welding of nickel and nickel alloys - Classification (ISO 12153:2022)

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This European Standard was approved by CEN on 22 September 2022.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

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SIST EN ISO 12153:2023

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European foreword

This document (EN ISO 12153:2022) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding and allied processes" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by May 2023, and conflicting national standards shall be withdrawn at the latest by May 2023.

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SIST EN ISO 12153:2023

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INTERNATIONAL
STANDARD

ISO
12153

Second edition
2022-10

**Welding consumables — Tubular-
cored electrodes for gas-shielded
and non-gas-shielded metal arc
welding of nickel and nickel alloys —
Classification**

*Produits consommables pour le soudage — Fils-électrodes fourrés
pour soudage à l'arc avec ou sans gaz de protection du nickel et des
alliages de nickel — Classification*

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Contents

Page

Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Classification.....	1
5 Symbols and requirements.....	2
5.1 Symbol for the product or process.....	2
5.2 Symbol for the chemical composition of the all-weld metal.....	2
5.3 Symbol for the type of electrode core.....	2
5.4 Symbol for the shielding gas.....	2
5.5 Symbol for the welding position.....	2
6 Chemical analysis.....	2
7 Mechanical properties of the all-weld metal.....	7
8 Rounding procedure.....	7
9 Retest.....	8
10 Technical delivery conditions.....	8
11 Example of designation.....	8
Annex A (informative) Corresponding national specifications.....	9

SIST EN ISO 12153:2023

<https://standards.iteh.ai/catalog/standards/sist/3c6bcbea-11e8-4e1e-8812-12fb9214e333/sist-en-iso-12153-2023>

ISO 12153:2022(E)

Foreword

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This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 121, *Welding and allied processes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 12153:2011), which has been technically revised.

The main changes are as follows:

- dated references updated to the latest editions;
- the chemistries of a number of classifications revised in [Table 1](#);
- a new alloy symbol, Ni 6023 (numerical), NiCr13Mo13W3 (chemical) added in [Table 1](#), [Table 2](#) and [Table A.1](#);
- a restricted numerical alloy symbol Ni 6117R and chemistry added to [Table 1](#);
- the minimum elongation for Ni 1013 revised in [Table 2](#);
- [Table A.1](#) updated to reflect the above changes and provide missing data.

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. Official interpretations of ISO/TC 44 documents, where they exist, are available from this page: <https://committee.iso.org/sites/tc44/home/interpretation.html>.