

STN	Valcovaný drôt z nelegovaných ocelí na ťahanie Časť 4: Osobitné požiadavky na valcovaný drôt na špeciálne použitie (ISO 16120-4: 2017)	STN EN ISO 16120-4 42 1075
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Non-alloy steel wire rod for conversion to wire - Part 4: Specific requirements for wire rod for special applications (ISO 16120-4:2017)

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/17

Obsahuje: EN ISO 16120-4:2017, ISO 16120-4:2017

Oznámením tejto normy sa ruší
STN EN ISO 16120-4 (42 1075) z januára 2012

125936

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2018
Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

EN ISO 16120-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2017

ICS 77.140.60

Supersedes EN ISO 16120-4:2011

English Version

Non-alloy steel wire rod for conversion to wire - Part 4:
Specific requirements for wire rod for special applications
(ISO 16120-4:2017)

Fil-machine en acier non allié destiné à la fabrication
de fils - Partie 4: Exigences spécifiques au fil-machine
pour applications spéciales (ISO 16120-4:2017)

Walzdraht aus unlegiertem Stahl zum Ziehen - Teil 4:
Besondere Anforderungen an Walzdraht für
Sonderanwendungen (ISO 16120-4:2017)

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European foreword

This document (EN ISO 16120-4:2017) has been prepared by Technical Committee ISO/TC 17 "Steel" in collaboration with Technical Committee ECISS/TC 106 "Wire rod and wires" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by December 2017, and conflicting national standards shall be withdrawn at the latest by December 2017.

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Endorsement notice

The text of ISO 16120-4:2017 has been approved by CEN as EN ISO 16120-4:2017 without any modification.

**Non-alloy steel wire rod for
conversion to wire —**

Part 4:
**Specific requirements for wire rod for
special applications**

Fil-machine en acier non allié destiné à la fabrication de fils —

*Partie 4: Exigences spécifiques au fil-machine pour applications
spéciales*





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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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This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 17, *Steel wire rod and wire products*.

This third edition cancels and replaces the second edition (ISO 16120-4:2011), which has been technically revised.

The main changes compared to the previous edition are:

- Terms and definitions clause added;
- revisions to the permissible variation for ultimate tensile strength of the wire rod ([Table 6](#) and [Table 7](#));
- cementite network requirement added ([5.11.2](#)).

This document is intended to be used in conjunction with ISO 16120-1.

A list of all parts in the ISO 16120 series can be found on the ISO website.

Non-alloy steel wire rod for conversion to wire —

Part 4:

Specific requirements for wire rod for special applications

1 Scope

This document specifies requirements for wire rod for conversion to wire for special applications. It is applicable to non-alloy steel wire rod with improved characteristics intended for drawing and/or cold rolling.

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 4948-2, *Steels — Classification — Part 2: Classification of unalloyed and alloy steels according to main quality classes and main property or application characteristics*

ISO 4967, *Steel — Determination of content of non-metallic inclusions — Micrographic method using standard diagrams*

ISO 16120-1:2017, *Non-alloy steel wire rod for conversion to wire — Part 1: General requirements*

ISO 16120-2:2017, *Non-alloy steel wire rod for conversion to wire — Part 2: Specific requirements for general purpose wire rod*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN