



**SLOVENSKI STANDARD**  
**SIST ISO 49:2001/Amd 1:2018**  
**01-december-2018**

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**Fitingi iz temprane litine z navoji po ISO 7-1 - Kemijska sestava cinkovih prevlek - Prilagoditev dejanskim zahtevam glede nevarnih snovi - Dopnilo Amd 1**

Malleable cast iron fittings threaded to ISO 7-1 - Chemical composition of the zinc coating - Adjustment to actual requirements regarding hazardous substances

**iTeh STANDARD PREVIEW**

Raccords en fonte malléable filetés conformément à l'ISO 7-1 - Composition chimique du revêtement de zinc - Ajustement aux exigences réelles concernant les substances dangereuses

[SIST ISO 49:2001/Amd 1:2018](https://standards.iteh.ai/catalog/standards/sist/8ae1e56b-fc17-4eab-90c0-aa59640e9b39/sist-iso-49-2001-amd-1-2018)

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**Ta slovenski standard je istoveten z: ISO 49:1994/Amd 1:2018**

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**ICS:**

23.040.40	Kovinski fittingi	Metal fittings
25.220.40	Kovinske prevleke	Metallic coatings

**SIST ISO 49:2001/Amd 1:2018** en,fr

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# INTERNATIONAL STANDARD

# ISO 49

Second edition  
1994-12-22  
**AMENDMENT 1**  
2018-04

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## Malleable cast iron fittings threaded to ISO 7-1

AMENDMENT 1: Chemical composition  
of the zinc coating — adjustment to  
actual requirements regarding hazardous  
substances

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*Raccords en fonte malléable filetés conformément à l'ISO 7-1*

*AMENDEMENT 1: Composition chimique du revêtement de zinc*

*Ajustement aux exigences réelles concernant les substances*

*dangereuses*

<https://standards.iteh.ai/catalog/standards/sist/8ae1e56b-fc17-4eab-90c0-aa59640e9b39/sist-iso-49-2001-amd-1-2018>



Reference number  
ISO 49:1994/Amd.1:2018(E)

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## Foreword

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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](http://www.iso.org/directives)).

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For an explanation on 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 the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 5, *Ferrous metal pipes and metallic fittings*, Subcommittee SC 5, *Threaded fittings, solder fittings, welding fittings, pipe threads, thread gauges*.

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## Malleable cast iron fittings threaded to ISO 7-1

### AMENDMENT 1: Chemical composition of the zinc coating — adjustment to actual requirements regarding hazardous substances

#### Normative references

Replace the reference to ISO 228-1:1994 with the following:

ISO 228-1, *Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation*

Replace the reference to ISO 2859-0:— (including the footnote) with the following:

ISO 2859-10, *Sampling procedures for inspection by attributes — Part 10: Introduction to the ISO 2859 series of standards for sampling for inspection by attributes*

Replace the reference to ISO 2859-1:1989 with the following:

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

Replace the reference to ISO 2859-3:1991 with the following:

ISO 2859-3, *Sampling procedures for inspection by attributes — Part 3: Skip-lot sampling procedures*

Replace the reference to ISO 5922:1981 with the following:

ISO 5922, *Malleable cast iron*

Replace the reference to ISO 6708:— (including the footnote) with the following:

ISO 6708, *Pipework components — Definition and selection of DN (nominal size)*

Delete all footnotes.

#### 5.2.1

Replace the text with the following:

The percentage by mass of the trace elements in the finished zinc coating shall not exceed the following maximum values:

aluminium	(Al)	0,10 %
antimony	(Sb)	0,01 %
arsenic	(As)	0,02 %
bismuth	(Bi)	0,01 %
cadmium	(Cd)	0,01 %

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copper	(Cu)	0,10 %
lead	(Pb)	0,10 %
tin	(Sn)	0,10 %

*Annex A*

Replace Annex A with the following Bibliography:

**Bibliography**

- [1] ISO 7-2, *Pipe threads where pressure-tight joints are made on the threads — Part 2: Verification by means of limit gauges*
- [2] ISO 228-2, *Pipe threads where pressure-tight joints are not made on the threads — Part 2: Verification by means of limit gauges*
- [3] ISO 1460, *Metallic coatings — Hot dip galvanized coatings on ferrous materials — Gravimetric determination of the mass per unit area*
- [4] ISO 2178, *Non-magnetic coatings on magnetic substrates — Measurement of coating thickness — Magnetic method*
- [5] ISO 9001, *Quality management systems — Requirements*

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