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Industrial valves - Gearboxes for valves (ISO 22109:2026)

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. 04/26

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English Version

**Industrial valves - Gearboxes for valves (ISO 22109:2026)**

Robinetterie industrielle - Réducteurs pour appareil de robinetterie (ISO 22109:2026)

Industriearmaturen - Armaturengetriebe (ISO 22109:2026)

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**EN ISO 22109:2026 (E)**

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## **European foreword**

This document (EN ISO 22109:2026) has been prepared by Technical Committee ISO/TC 153 "Valves" in collaboration with Technical Committee CEN/TC 69 "Industrial valves" 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of an identical text or by endorsement, at the latest by August 2026, and conflicting national standards shall be withdrawn at the latest by August 2026.

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# International Standard

**ISO 22109**

## Industrial valves — Gearboxes for valves

*Robinetterie industrielle — Réducteurs pour appareil de  
robinetterie*

**Second edition  
2026-02**

## ISO 22109:2026(en)



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**ISO 22109:2026(en)****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 document 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 of 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 [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 153, *Valves*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 69, *Industrial valves*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 22109:2020), which has been technically revised.

The main changes are as follows:

- the rated torques 32 001 to 250 000 were added to [Table 2](#);
- the mechanical advantage for gearboxes other than worm gearboxes was added to [5.4.2](#) and [5.4.3](#);
- the mechanical advantage along the stroke has been changed to above 80 % of the initial values in [Clause A.5](#);
- editorial changes were made.

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](http://www.iso.org/members.html).

# Industrial valves — Gearboxes for valves

## 1 Scope

This document specifies basic requirements for gearboxes to operate industrial valves for manual and automated on/off and modulating duties, including manual override gearboxes. It includes guidelines for classification, design and methods for conformity assessment.

This document does not cover gear systems which are an integral part in the design of valves and subsea gearboxes.

Other requirements or conditions of use different from those indicated in this document are agreed between the purchaser and the manufacturer or supplier (first party) prior to order.

## 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 5210, *Industrial valves — Multi-turn valve actuator attachments*

ISO 5211, *Industrial valves — Part-turn actuator attachments*

IEC 60529, *Degrees of protection provided by enclosures (IP Code)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**