SLOVENSKI STANDARD
SIST EN ISO 1938-1:2026

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Specifikacija geometrijskih veličin izdelka (GPS) - Oprema za merjenje dimenzij - 1. del: Ploščati mejni merilniki linearne velikosti (ISO 1938-1:2026)

Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 1: Plain limit gauges of linear size (ISO 1938-1:2026)

Geometrische Produktspezifikation (GPS) - Längenprüftechnik - Teil 1: Grenzlehren und Lehrung der Längenmaße (ISO 1938-1:2026)

Spécification géométrique des produits (GPS) - Équipement de mesure dimensionnel - Partie 1: Calibres lisses à limite de taille linéaire (ISO 1938-1:2026)

Ta slovenski standard je istoveten z: **EN ISO 1938-1:2026**

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17.040.30	Merila	Measuring instruments
17.040.40	Specifikacija geometrijskih veličin izdelka (GPS)	Geometrical Product Specification (GPS)

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Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 1: Plain limit gauges of linear size (ISO 1938-1:2026)

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Geometrische Produktspezifikation (GPS) - Längenprüftechnik - Teil 1: Grenzlehren und Lehrung der Längenmaße (ISO 1938-1:2026)

This European Standard was approved by CEN on 17 May 2026.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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European foreword

This document (EN ISO 1938-1:2026) has been prepared by Technical Committee ISO/TC 213 "Dimensional and geometrical product specifications and verification" in collaboration with Technical Committee CEN/TC 290 “Dimensional and geometrical product specification and verification” 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of an identical text or by endorsement, at the latest by December 2026, and conflicting national standards shall be withdrawn at the latest by December 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 1938-1:2015.

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Endorsement notice

The text of ISO 1938-1:2026 has been approved by CEN as EN ISO 1938-1:2026 without any modification.

International Standard

ISO 1938-1

Geometrical product specifications (GPS) — Dimensional measuring equipment —

Part 1: Plain limit gauges of linear size

Spécification géométrique des produits (GPS) — Équipement de mesure dimensionnel —

Partie 1: Calibres lisses à limite de taille linéaire

Second edition
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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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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 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).

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This document was prepared by Technical Committee ISO/TC 213, *Dimensional and geometrical product specifications and verification,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 290, *Dimensional and geometrical product specification and verification,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 1938-1:2015), which has been technically revised.

The main changes are as follows:

— revision of definitions 3.1.3, 3.1.4, and 3.2.1;

— revision of design and metrological characteristics of GO gauge type B to K in Clause 5 and in Tables 4 and 5;

— inclusion of full form cylindrical ring, full form notch gauge and gap gauge in Table B.1.

A list of all parts in the ISO 1938 series can be found on the ISO website.

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.

Introduction

This document is a geometrical product specification (GPS) standard and is to be regarded as a general GPS standard (see ISO 14638). It influences chain links E, F and G of the size chain of standards in the general GPS matrix. For more detailed information of the relation of this document to other standards and the GPS matrix model, see Annex C.

The ISO GPS matrix model given in ISO 14638 gives an overview of the ISO GPS system of which this document is a part. The fundamental rules of ISO GPS given in ISO 8015 apply to this document and the default decision rules given in ISO 14253-1 apply to specifications made in accordance with this document, unless otherwise indicated.

This document deals with verification, using plain limit gauges, of linear sizes for features of size when the dimensional specifications are required (see ISO 14405-1), for rigid workpieces.

NOTE Tables 4 and 5 use the modifiers given in ISO 14405-1 and ISO 1101.