



SLOVENSKI STANDARD
kSIST FprEN ISO 1938-1:2014
01-januar-2014

[Not translated]

Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 1: Plain limit gauges of linear size (ISO/FDIS 1938-1:2013)

Geometrische Produktspezifikation (GPS) - Maßtolerierung - Teil 1: Grenzlehren und Lehrung der Längenmaße (ISO/FDIS 1938-1:2013)

Spécification géométrique des produits (GPS) - Équipement de mesure dimensionnel - Partie 1: Calibres lisses à limite de taille linéaire (ISO/FDIS 1938-1:2013)

Ta slovenski standard je istoveten z: FprEN ISO 1938-1

ICS:

17.040.10	Tolerance in ujemi	Limits and fits
17.040.30	Merila	Measuring instruments

kSIST FprEN ISO 1938-1:2014 **en,fr,de**

FINAL
DRAFT

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STANDARD

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1938-1

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Geometrical product specifications (GPS) - Dimensional measuring equipment —

Part 1: Plain limit gauges of linear size

*Spécification géométrique des produits (GPS) — Équipement de
mesurage dimensionnel —*

Partie 1: Calibres lisses à limite de taille linéaire

Please see the administrative notes on page iii

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ISO/CEN PARALLEL PROCESSING

This final draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement. The final draft was established on the basis of comments received during a parallel enquiry on the draft.

This final draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel two-month approval vote in ISO and formal vote in CEN.

Positive votes shall not be accompanied by comments.

Negative votes shall be accompanied by the relevant technical reasons.

ISO/FDIS 1938-1:2013(E)

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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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 213, *Geometrical product specifications and verification*.

This first edition cancels and replaces ISO/R 1938:1971, which has been technically revised.

ISO 1938 consists of the following parts, under the general title *Geometrical product specifications (GPS) — Dimensional measuring equipment*:

— *Part 1: Plain limit gauges of linear size*

This part of ISO 1938 does not include requirements for setting plug gauges and setting ring gauges, which were dealt with in ISO/R 1938:1971, 3.9.4.

This part of ISO 1938 covers the concepts and principles developed in ISO 14978.

ISO/FDIS 1938-1:2013(E)

Introduction

This part of ISO 1938 is a geometrical product specification (GPS) standard and is to be regarded as a general GPS standard (see ISO/TR 14638). It influences chain links 4, 5 and 6 of the size chain of standards in the general GPS matrix. For more detailed information of the relation of this part of ISO 1938 to other standards and the GPS matrix model, see [Annex C](#).

The ISO/GPS Masterplan given in ISO/TR 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.

The terms and concepts used in this first edition of ISO 1938-1 (compared to the former edition ISO/R 1938:1971) have been changed according to needs and terminology in the other GPS standards.

This part of ISO 1938 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.