

<b>STN</b>	<b>Geometrické špecifikácie výrobkov (GPS) Filtrácia Časť 62: Lineárne plošné filtre: Spline filtre (ISO 16610-62: 2023)</b>	<b>STN EN ISO 16610-62</b>  01 4453
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Geometrical product specifications (GPS) - Filtration - Part 62: Linear areal filters: Spline filters (ISO 16610-62:2023)

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

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**Geometrical product specifications (GPS) - Filtration - Part  
62: Linear areal filters: Spline filters (ISO 16610-62:2023)**

Spécification géométrique des produits (GPS) - Filtrage  
- Partie 62: Filtres surfaciques linéaires : Filtres spline  
(ISO 16610-62:2023)

Geometrische Produktspezifikation (GPS) - Filterung -  
Teil 62: Lineare Flächenfilter: Spline-Filter (ISO 16610-  
62:2023)

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**EN ISO 16610-62:2023 (E)**

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## **European foreword**

This document (EN ISO 16610-62:2023) 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of an identical text or by endorsement, at the latest by September 2023, and conflicting national standards shall be withdrawn at the latest by September 2023.

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## **Endorsement notice**

The text of ISO 16610-62:2023 has been approved by CEN as EN ISO 16610-62:2023 without any modification.

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16610-62**

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**Geometrical product specifications  
(GPS) — Filtration —**

**Part 62:  
Linear areal filters: spline filters**

*Spécification géométrique des produits (GPS) — Filtrage —  
Partie 62: Filtres surfaciques linéaires: filtres spline*



Reference number  
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## ISO 16610-62:2023(E)

### 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](http://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).

A list of all parts in the ISO 16610 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](http://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 link C on feature properties in the GPS matrix model.

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.

For more information on the relationship of this document to the filtration matrix model, see [Annex A](#).

For more detailed information of the relation of this document to other standards and the GPS matrix model, see [Annex B](#).

This document specifies the terminology and concepts for linear areal spline filters. It specifies how to separate long- and short-wave components of a surface with a global shape retainment.

# Geometrical product specifications (GPS) — Filtration —

## Part 62:

## Linear areal filters: spline filters

### 1 Scope

This document specifies the characteristics of a linear areal spline filter with a global shape retainment.

### 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 16610-1, *Geometrical product specifications (GPS) — Filtration — Part 1: Overview and basic concepts*

ISO 16610-21, *Geometrical product specifications (GPS) — Filtration — Part 21: Linear profile filters: Gaussian filters*

ISO 16610-22:2015, *Geometrical product specifications (GPS) — Filtration — Part 22: Linear profile filters: Spline filters*

ISO 16610-60:2015, *Geometrical product specification (GPS) — Filtration — Part 60: Linear areal filters — Basic concepts*

ISO 16610-61, *Geometrical product specification (GPS) — Filtration — Part 61: Linear areal filters — Gaussian filters*

ISO/IEC Guide 99, *International vocabulary of metrology — Basic and general concepts and associated terms (VIM)*

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