

# SVENSK STANDARD

## SS-ISO 10578:2008

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### **Ritregler – Form- och lägetoleranser – Projicerad toleranszon (ISO 10578:1992, IDT)**

### **Technical drawings – Tolerancing of orientation and location – Projected tolerance zone (ISO 10578:1992, IDT)**

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Den internationella standarden ISO 10578:1992 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av ISO 10578:1992.

The International Standard ISO 10578:1992 has the status of a Swedish Standard. This document contains the official English version of ISO 10578:1992.

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Standarder kan beställas hos SIS Förlag AB som även lämnar allmänna upplysningar om svensk och utländsk standard.

Information about the content of the standard is available from the Swedish Standards Institute (SIS), tel +46 8 555 520 00.

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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 10578 was prepared by Technical Committee ISO/TC 10, *Technical drawings, product definition and related documentation*, Sub-Committee SC 5, *Dimensioning and tolerancing*.

Annex A of this International Standard is for information only.

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## **Introduction**

A projected tolerance zone is used in conjunction with geometrical tolerancing to control or limit an extreme variation in the perpendicularity of threaded (or non-threaded) features, interference fit holes or similar features.



# Technical drawings — Tolerancing of orientation and location — Projected tolerance zone

## 1 Scope

This International Standard defines the method of tolerancing by indication of a projected tolerance zone and specifies the method of indication.

## 2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1101:1983, *Technical drawings — Geometrical tolerancing — Tolerances of form, orientation, location and run-out — Generalities, definitions, symbols, indications on drawings.*

## 3 Definitions

For the purposes of this International Standard, the definitions given in ISO 1101 apply.

NOTE 1 The definition of the “minimum external projection of the feature” is under consideration and will be added at a later date to this International Standard.

## 4 Projected tolerance zone

The projected tolerance zone applies to the minimum external projection of the feature which is

- indicated on the drawing by the symbol  $\textcircled{P}$  followed by the projected dimension,
- represented by a chain thin double-dashed line in the corresponding drawing view, and
- indicated in the tolerance frame by the symbol  $\textcircled{P}$  placed after the tolerance of the tolerated feature.

See figure 1.

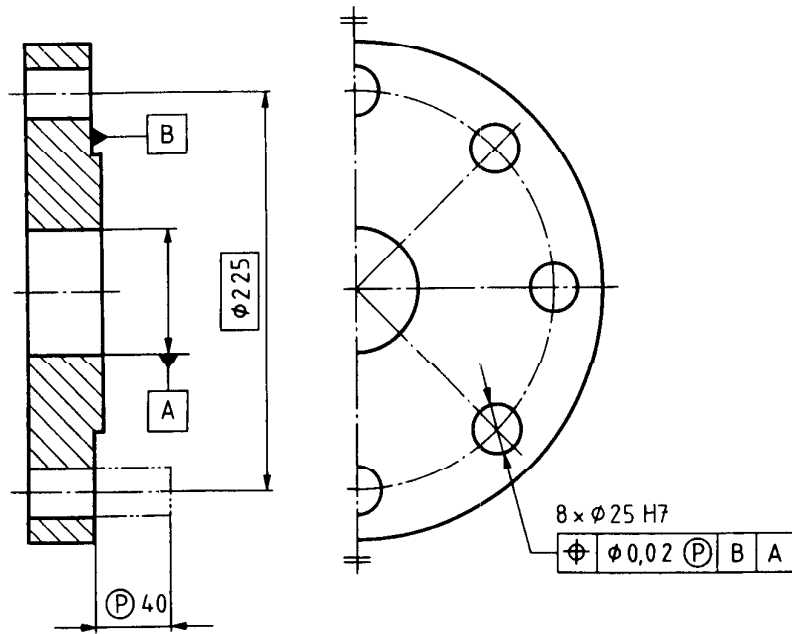


Figure 1