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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 39141.1-2020

**Mineral and sapphire watch-glasses - Part 1: Dimensions and
tolerances**

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Foreword

GB/T 39141 "Inorganic and Sapphire Watch Glass" is intended to be divided into the following parts.

---Part 1.Dimensions and tolerances;

---Part 2.Fitting on the case with glue or sealing ring;

---Part 3.Qualitative standards and test methods.

This part is Part 1 of GB/T 39141.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

The translation method used in this section is equivalent to ISO 14368-1.2000 "Inorganic and Sapphire Watch Glass Part 1.Dimensions and Tolerances".

The Chinese documents that have a consistent correspondence with the international documents cited in this section are as follows.

---GB/T 1800.1-2020 Product Geometric Technical Specification (GPS) Linear Dimension Tolerance ISO Code System Part 1.

The basis of tolerance, deviation and fit (ISO 286-1.2010, MOD);

---GB/T 1800.2-2020 Product Geometric Technical Specification (GPS) Linear Dimension Tolerance ISO Code System Part 2.

Standard tolerance zone code and limit deviation table of holes and shafts (ISO 286-2.2010, MOD).

This section has made the following editorial changes.

--- Incorporate ISO 14368-1.2000/Cor1.2006 into this part, and the clauses involved in these amendments have been passed on its outer page

The vertical double line (||) of the margin position is marked;

---The error was corrected, and the ">30.5" in the last line of Table 2 was changed to ">=30.5".

This part was proposed by the China National Light Industry Council.

This part is under the jurisdiction of the National Watch Standardization Technical Committee (SAC/TC160).

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1 Scope

This part of GB/T 39141 specifies the dimensions and tolerances of inorganic and sapphire watch glass.

This section applies to round flat watch glass, with a representative diameter of 8mm~35mm.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

ISO 286-1 Product Geometric Technical Specification (GPS) Linear Dimensional Tolerance ISO Code System Part 1.Tolerances, Deviations and Basis of Fit

ISO 286-2 Product Geometric Technical Specification (GPS) Linear Dimensional Tolerance ISO Code System Part 2.Standard Tolerance Zone Code and Limit Deviation Table of Hole and Shaft

3.1 Terms and definitions

The terms and definitions defined by ISO 286-1 and ISO 286-2 apply to this document.

3.2 Symbols

The following symbols apply to this document. (see picture 1)

d glass diameter

h1 height of glass cylinder

h2 glass bottom chamfer height

h3 Chamfer height on glass

h4 Adhesive assembly glass judgment height

t Total thickness of glass

Bevel angle of beta glass