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

GB/T 39141.2-2020

**Mineral and sapphire watch-glasses - Part 2: Assembly to the
case by adhesive or using a gasket**

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms, definitions and symbols

3.1 Terms and definitions

3.2 Symbols

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 2 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 part is equivalent to ISO 14368-2.2003 "Inorganic and Sapphire Watch Glass Part 2. Glue or Seal

The fit of the ring to the case".

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);

---GB/T 39141.1-2020 Inorganic and sapphire watch glass Part 1. Dimensions and tolerances (ISO 14368-1.2000, IDT).

This section has made the following editorial changes.

--- Modify the graphical representation of the glue in Figure 1 to make it comply with the mechanical drawing specifications.

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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Zi Watch Co., Ltd.

1 Scope

This part of GB/T 39141 specifies the round inorganic and sapphire watch glass contact surface that is assembled on the watch case with glue or sealing ring

The size requirements.

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 article

Pieces. 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.Tolerance, Deviation and Fitting Basis

ISO 286-2 Product Geometric Technical Specification (GPS) Linear Dimension Tolerance ISO Code System Part 2.Standard Tolerance Zone Code

And hole, shaft limit deviation table

ISO 14368-1 Inorganic and Sapphire Watch Glass Part 1.Dimensions and Tolerances

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. (The symbols and terms used in Figure 1, Figure 2, and Figure 3 are given in Table 1)

Table 1 Symbols and terms

Symbolic term

c Sealing ring compression (expressed as a percentage of the width)

d glass diameter

d1 Open surface diameter

d2 Diameter of glass position

d3 outer diameter of seal ring (uncompressed)

d4 Seal ring inner diameter (uncompressed)

e1 Sealing ring thickness

e2 Compressed seal ring thickness

e3 Glue space

h1 height of glass cylinder