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

GB/T 33725-2017

**Watch cases and accessories -- Tests of the resistance to wear,
scratching and impacts**

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the re-drafting method to modify ISO 23160..2011 "Table shell and its accessories wear resistance, scratches and impact test".

The technical differences between this standard and ISO 23160..2011 are as follows.

--- on the normative reference documents, the standard according to the international standard is currently effective and convenient to use the standard, made a technology

The adjustment of sexual differences to meet the technical conditions of our country, the adjustment of the situation is reflected in Chapter 2 "normative reference documents"

Specific adjustments are as follows.

--- GB/T 5270 instead of ISO 2819;

--- replace GB 8251 with GB/T 12967.2;

--- instead of ISO 11640 with QB/T 2537;

- a description of the relationship between the test cycle and the wear age of the test conditions of the ceramic abrasive wear test (see 4.1.2);

- Tolerance of the standard gasket "loss after mass loss" for ceramic abrasive wear test is changed from +/- 2mg to +/- 1mg (see

4.1.4);

--- the ceramic wear and tear wear test standard gasket and fabric with wear test samples used to modify the material used to modify our common grades,

And the original title as a footnote to add instructions (see Table 3 and Table 5);

- The test "operating procedure" has been refined in the ceramic abrasive wear test and

adjusted to "calibrated" after the "operating procedure" and

The "test preparation" is added between "calibration" (see 4.1.5, 4.1.6);

- modified test conditions for fabric wear test (see 4.2.2.2);
- modified the fabric with wear test device diagram and its description (see Figure 3);
- change the title of "4.2.3" from "friction material" to "fabric band" (see 4.2.3);
- modified the "fabric characteristics" (see Table 4);
- the provisions for the pressure under the test specimen are added to the fabric wear test procedure (see 4.2.4);
- a description of the wear of the test piece with the wear test of the fabric with wear test (see 4.2.5);
- modified "results assessment" method for fabric wear test (see 4.2.6);
- Adjust the order of the original Appendix A and Appendix B in the order in which they appear in the text.

This standard is proposed by the China Light Industry Federation.

This standard by the National Standardization Technical Committee (SAC/TC160) centralized.

The drafting of the standard units. light industry watches and clocks, Zhuhai Rossi watches Industry Co., Ltd, Shenzhen Titan Clocks Technology Co., Ltd.,

Shenzhen City Feida Precision Chase Manufacturing Co., Ltd., Shenzhen Lang Long Star Electronics Co., Ltd., according to wave boutique (Shenzhen) Co., Ltd.

1 Scope

This standard specifies the wear and tear, scratches and impact of the watch case and its accessories (including straps) used to evaluate the watch during wear test.

This standard applies to tables with straps. But some tests only apply to the watch case, complete or part of the strap or a special sample.

Note. In order to simulate the degradation of the watch after wearing, both sides of the supply and demand through consultation can be combined with all the tests described in this standard.

2 normative reference documents

The following documents are indispensable for the application of this document. For dated

references, only the dated edition applies to this article

Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 5270 metal coating on metal substrate electrodeposition and chemical deposition layer adhesion strength test method review

(GB/T 5270-2005, ISO 2819. 1980, IDT)

GB/T 12967.2 Aluminum and aluminum alloy anodized film detection method - Part 2. Determination of anodic oxide film by wheel wear tester

Wear resistance and wear resistance (GB/T 12967.2-2008, ISO 8251. 1987, MOD)

QB/T 2537 Leather color fastness test Reciprocating color fastness (QB/T 2537-2001, eqvISO 11640..1993)

ISO 27874 Metallic and other inorganic coatings - Specification and test methods for electroplating gold and gold alloy coatings for electrical, electronic and engineering purposes

(Metalicandotherinorganiccoatings-Electrodepositedgoldandgoldaloycoatingsforelectrical, electronicandengineeringpurposes-specificationandtestmethods)

3 terms and definitions

The following terms and definitions apply to this document.

3.1

Wear wear

Mainly with the fabric friction caused by the surface changes.

3.2

Scratched scratches

With any object of random friction caused by the surface changes.

3.3

Impact

With the hard, rough surface accidental collision and drop caused by the surface changes.

4.1.1 Purpose

The purpose of the test is to simulate the general wear caused by the wear of the watch.