

ICS 59.140.35

QB

**LIGHT INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

QB/T 1618-2018

Belt

腰带

(English Translation)

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Table of Contents

Foreword...	3
1 Scope...	5
2 Normative references...	5
3 Terms and definitions...	6
4 Product classification...	6
5 Requirements...	7
6 Test method...	10
7 Inspection rules...	12
8 Marking, packaging, transport and storage...	13

Foreword

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

This standard is the revision of the QB/T 1618-2006 Leather belt.

As compared with QB/T 1618-2006, in addition to editorial changes, the main technical changes of this standard are as follows.

- CHANGE the standard name into "Belt";
- ADJUST the "Scope", EXTEND the applicable scope of this standard;
- DELETE the non-specific terms from the original "Terms and definitions",
ADD the term of "Decorative belt";
- ADJUST the "Product classification", ADD the "Classification by use
function";
- DELETE the requirements for "Specification" and "Supreme product";
- ADD the requirements for "Raw material and fitting" and "Belt key";
- COMBINE the "Appearance quality" and "Tailoring requirements";
- ADJUST and REFINE the "physical and mechanical performance";
- CHANGE the "Rupture performance" into "Belt body rubbing resistance";
- ADJUST the provisions on "Marking".

This standard was proposed by China National Light Industry.

This standard shall be under the jurisdiction of the National Leather Industry Standardization Technical Committee (SAC/TC 252).

The main drafting organizations of this standard. Zhejiang Shangzhi Industry Co. Guangzhou Branch, Guangdong Wanlima Industry Co., Ltd., Guangzhou Niujiangjun Leather Product Co., Ltd., National Leather Product Quality Supervision and Inspection Center (Guangzhou), China Leather and Shoe Making Industry Institute (Jinjiang) Co., Ltd., China Leather and Shoe Making Industry Institute.

1 Scope

This standard specifies the terms and definitions, product classification, requirements, test methods, inspection rules, markings, packaging, transportation and storage of belt.

This standard applies to the belt of everyday use which is made from leather, fur, artificial leather/synthetic leather, regenerated leather, textile, and so on.

This standard does not apply to the belt of various special applications.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

GB/T 2912.1 Textiles - Determination of formaldehyde - Part 1. Free and hydrolyzed formaldehyde (water extraction method)

GB/T 3920 Textiles - Tests for color fastness - Color fastness to rubbing

GB/T 17592 Textiles - Determination of the banned azo colorants

GB 20400 Leather and fur - Limit of harmful matter

GB 21550 The restriction of hazardous materials in polyvinyl chloride artificial leather

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Belt head

One end of the belt which is equipped with the belt key.

3.2

Belt bottom

The other end of the belt as relative to the belt head.

3.3

Swing head

The folding portion of the belt head material.

5.1 Raw materials and fittings

They are selected in accordance with relevant product standards.

5.2 Limit of harmful substances

The limit of harmful substances of leather, fur, regenerated leather, and textile materials shall comply with the requirements of Table 1, the limit of harmful substances of PVC artificial leather shall comply with the provisions of GB 21550.

5.2 Appearance quality and sewing (binding) requirements

It shall comply with the requirements of Table 2.

5.4 Belt key

It complies with the provisions of QB/T 4117, wherein the engagement force of the key of the decorative belt is not less than 80 N.

6.1.1 Steel ruler. the minimum scale is 1 mm and 0.5 mm; the steel tape. the minimum scale is 1 mm.

6.2 Raw materials and accessories

Before processing production, it is inspected or verified in accordance with relevant standards, the limit of harmful substance is inspected in accordance with GB 20400, GB 21550, GB/T 2912.1, GB/T 17592, and so on.

6.3 Appearance quality and sewing (binding) requirements

In natural light, it is inspected by the combination of sensory inspection and measuring gauge, the gauge divisional value is not less than 1 mm.

6.5 Binding force between belt key and belt

Respectively fix the belt key and belt onto the upper and lower clamps of the tensile machine, the spacing between the upper clamp and the lower clamp is

150 mm, start the machine, until the belt slips out of the belt key or the belt

ruptures, read the maximum value as the binding force between the belt key and belt.

6.7 Belt hole rupture force

Cut a segment of the specimen with belt hole, the distance from the belt hole under test to the belt test end is 10 mm, fix the metal hook with a 4 mm diameter (bearing stress more than 50 kg) onto the upper clamp of the tensile machine, hook into the belt hole, use the lower clamp to fix the other end of the belt, the clamp spacing is 100 mm, start the tensile machine, until the belt is completely ruptured, read the maximum value as the belt hole rupture force.

6.8 Belt tooth engagement force

Make the belt key and belt tooth engage firmly, respectively fix them onto the two clamps of the tensile machine, start the machine, until the belt slips from the belt tooth, read the maximum value as the belt tooth engagement force.