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**LIGHT INDUSTRY STANDARD OF THE
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**Office furniture. Office chair
(English Translation)**

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1 Scope

This standard specifies the terminologies and definitions, product classification, requirements, test methods, inspection rules and marking, packaging, transportation and storage of office chairs.

This standard is applicable to office chairs; chairs of similar uses in other occasions may refer to this standard.

2 Normative References

The following documents for the application of this document are essential. Any dated reference, just dated edition applies to this document. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2828.1 Sampling Procedures for Inspection by Attributes - Part 1.

Sampling Schemes Indexed by Acceptance Quality Limit (AQL) for Lot-by-lot Inspection

GB/T 3325-2008 Metal Furniture - General Technical Requirements

GB/T 3920 Textiles - Tests for Colour Fastness - Colour Fastness to Rubbing

GB 5296.6 Instructions for Use of Products of Consumer Interest - Part 6.

Furniture

GB/T 6343 Cellular Plastics and Rubbers - Determination of Apparent

Density

GB/T 6669-2008 Flexible Cellular Polymeric Materials - Determination of
Compression Set

GB/T 6670-2008 Flexible Cellular Polymeric Materials - Determination of
Resilience by Ball Rebound

GB/T 9286 Paints and Varnishes - Cross Cut Test for Films

GB/T 10357.2 Test of Mechanical Properties of Furniture - Part 2.Stability of
Chairs and Stools

GB/T

10357.3-2013

Test of Mechanical Properties of Furniture - Part 3.Strength and
Durability of Chairs and Stools

GB 17927.1 Upholstered Furniture - Assessment of the Resistance to Ignition of Mattress
and Sofa - Part 1.Smouldering Cigarette

GB 17927.2 Upholstered Furniture - Assessment of the Resistance to Ignition of Mattress
and Sofa - Part 2.Match Flame Equivalent

GB/T

18204.2-2014

Examination Methods for Public Places - Part 2.Chemical
Pollutants

3 Terminologies and Definitions

For the purposes of this standard, the terminologies and definitions established in
GB/T 29525-2013 and the following ones apply.

3.1

Office chair

An individual chair used when doing office work.

3.2

Adjuster device

Mechanism changing the relative position, angle or rigidity of seat parts.

3.3

Locking device

Device which makes moving parts of chair in position and locks them up.

3.4

Shape symmetry

Extent of the error in symmetry planes where chair parts are located, diagonals or circle diameter.

3.5

Seat plane deviation

The extent of the plane where the bilaterally symmetric points at seat's hard edge tilts to the ground level.

3.6

Back eccentric

Distance between a vertical line through forced points at back top and a line through support points at outermost side of base.

4 Product Classification

Office chairs are classified into the following types by adjustment mode.

5.1 Main dimensions

Main product dimensions shall be in accordance with those specified in Table 1. See Figures 4, 5 and 6 and Table 1 for codes and deviation requirements. The dimensions with special requirements shall be indicated by the supplier and the purchaser in the contract.

5.2 Shape and position tolerances

Product shape and position tolerances shall be in accordance with those specified in Table 2.

5.3.5 Coating and plating

5.3.5.1

Wooden parts coating shall be flat and smooth without scratch, fog lights, white ridge, flake, sagging, deposited powder, lag or visible color difference.*

5.3.5.2

Wooden parts coating shall be free from swelling, wrinkling, sticking and holiday.

5.3.6 Other appearance requirements

5.3.6.1

The parts of the product shall be free from damage.

5.3.6.2

Fixed positions shall be joined firmly without looseness, lack of parts, nail missing or exposure.

5.3.6.3

All the external angles of the product and positions in contact with human body shall be blunted without burr, cutting edge or corner angle.

5.4 Physical and chemical properties

Physical and chemical properties of the product shall meet those specified in Table 3.

Table 3 -- Physical and Chemical Properties

5.5 Mechanical properties

Mechanical properties of the product shall meet those specified in Table 4.

5.8 TVOC

TVOC of office chair shall not be greater than 0.5 mg/m²h.

5.9.1 Basic safety

Isolation measures shall be taken between the bottom of the seat and the gas spring, steel plate or chassis not less than 2 mm in thickness may be adopted for isolation.

6.1 Precision

Unless otherwise specified, the following measuring precision shall be adopted.

6.2.1 Determination of Point A

Put a 64 kg-load module (see Appendix A) on the seat with center line as symmetry plane, ensuring that the center of guiding axle of the main weight is consistent with the center of the seat's rotation axle. Before the test, the seat shall be loaded before being unloaded, repeat 5 times.