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NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 81.040.10

Q 34

GB/T 17340-1998

Road Vehicles – Safety Glasses
– Dimensions, Shapes and Appearances

汽车安全玻璃的尺寸、形状及外观

Issued on: May 08, 1998

Implemented on: December 01, 1998

Issued by: State Bureau of Quality and Technical Supervision

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Road Vehicles – Safety Glasses

– Dimensions, Shapes and Appearances

1 Scope

This Standard specifies the size, shape and appearance of safety glasses for road vehicles. This Standard is not only applicable to the safety glasses for road vehicles, but also applicable to the safety glasses for other road vehicles.

2 Normative References

The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. At the time of publication, the editions indicated are valid. All standards are subject to revision. The parties who are using this Standard shall explore the possibility of using the latest version of the following standard.

JC/T 632-1996 Terms of Automotive Safety Glass

3 Definition

This Standard uses the following definition.

3.1 Curve part: Part *R* in Figure 1 (the end point of Part *R* in Figure 1 is included in the curve part).

3.2 Design line: the reference line drawn on the test sample frame.

3.3 Reference edge: A predetermined edge on the glass, usually the longest edge.

3.4 Reference edge deviation: the deviation between the reference edge of the glass and the design line (see *A* in Figure 1).

3.5 Longitudinal dimension deviation: the deviation between the periphery of the glass and the design line (see *B* in Figure 1).

3.6 Lateral dimension deviation: the deviation between the periphery of the glass and the design line (see *C* in Figure 1).

3.7 Curve part deviation: the deviation between the glass curve part and the design

reference edge of the product. Fit close the reference edge with the corresponding reference line of on the test sample frame; so that the distances between the product and the right/left reference line of the sample frames are approximately equal. The error of the product relative to the reference line of the sample frame is measured, that is, the dimension deviation on the reference edge (*A* in Figure 1), the longitudinal (*B* in Figure 1), and the lateral (*C* in Figure 1) and the curved part (*D* in Figure 1).

7.2 Curvature

When measuring the curvature of a flat product, place it vertically and use a steel ruler to measure it horizontally close to the glass surface. When it is in arc shape, it shall be expressed by the percentage of the arc height divided by the chord length. When it is in wave shape, it shall be expressed by the percentage of the height of the crest (or trough) divided by the distance from the crest to the neighbouring crest (or trough to the neighbouring trough).

7.3 Goodness of fit

When measuring the goodness of fit for the curved product, place the product according to the inspection state in 7.1.2; and use a feeler to measure the maximum gap between the product and the test sample frame.

7.4 Appearance quality

The general appearance defects are visually inspected; observe at a distance of 500mm from the sample glass against the uniformly illuminated ground glass background; and use more than 300 lx of white light to penetrate behind the ground glass. Avoid direct sunlight on the sample glass during inspection.

8 Inspection Rules

8.1 Sampling and batching rules

8.1.1 The inspection on dimension deviation and appearance quality of front windshield shall be sampled according to Table 9. The inspection on dimension deviation and appearance quality of the glass other than the windshield shall be sampled according to Table 10.

8.2 Judgment rules

In a batch of glass samples, if the unqualified number is equal to or greater than the unqualified number in Table 9 or 10, the dimensional deviation and appearance quality of this batch of products shall be deemed not to meet the requirements.

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