

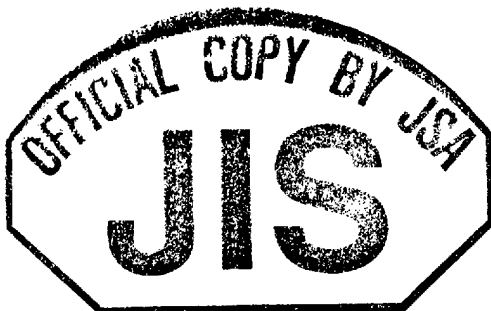
JIS

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JAPANESE INDUSTRIAL STANDARD

Head Restraints for Automobile Occupants

JIS D 4606—1984



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JAPANESE INDUSTRIAL STANDARD

J I S

Head Restraints for Automobile Occupants

D 4606-1984

1. Scope

This Japanese Industrial Standard specifies the head restraints for automobile occupants used for passenger cars, small-size motor lorries and the like.

Remark: The units given in { } in this standard are in accordance with the International System of Units (SI).

2. Definitions

The meanings of main terms to be used in this standard shall be as follows:

- (1) head restraint The device to prevent or reduce the injury of neck part of automobile occupants by restraining the tilting of their head when the automobile was dashed from behind.
- (2) seating reference point The design reference point set on the seat equivalent to the hip point of a model of the human body when seating the 50th percentile model of the human body of a grown-up man specified in JIS D 4607 or ISO 6549 based on the loading instructions. Provided that the seat capable of adjusting the positions in front and rear shall be at the place in the rear end in design and the seat capable of adjusting the angle of seat back shall be at the design reference position or a position at where the torso line (the line to show the inclination of the trunk) of a model of the human body approaches to the angle of 25° from the perpendicularity as far as possible, and other adjusting mechanisms shall be adjusted at the design reference position.
- (3) torso reference line The design reference line set on the seat equivalent to the torso line of the model of human body in (2).
- (4) center plane of seating position The design reference plane set on the seat equivalent to the center plane of left and right of the model of the human body in (2).
- (5) back pan The curved face plate equivalent to the back of the trunk of the model of human body specified in JIS D 4607 or ISO 6549 and showing the hip point and the torso line.
- (6) head form The model of the hemispherical or globular rigid body of 165 mm in diameter, which is equivalent to the head. When this is used for the dynamic test, its effective mass shall be 6.8 kg.

Applicable Standard:

JIS D 4607-Three Dimensional Manikins for Use in Defining
Automobile Seating Accommodations

Corresponding International Standard:

ISO 6549-1980 Road Vehicles-Procedure for H-point determination