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Emergency escape tools for automobile

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

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Emergency escape tools for automobile

1 Scope

This Japanese Industrial Standard specifies emergency escape tools for automobile with which passengers can cut seatbelts and break windows to make an emergency escape when immobilised inside automobiles mainly in accidents on the road or in water, except in automobile races (hereafter referred to as escape tools).

Window breaking function is intended for tempered glass, but not intended for laminated glass. This Standard is also applicable to seatbelt cutting function and window breaking function of the escape tools which possess fire extinguishing function.

NOTE : Escape tools can be used for buses and trucks, in which case adequate number of tools should be installed in consideration for the vehicle capacities or other elements.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS D 4604 *Automotive parts — Seat belt*

JIS R 3211 *Safety glazing materials for road vehicles*

JIS Z 2244 *Vickers hardness test — Test method*

3 Terms and definitions

For the purposes of this Standard, the following terms and definitions apply.

3.1 emergency escape tool for automobile

the tool with which a passenger can cut seatbelt and break tempered glass to make an emergency escape when immobilised inside an automobile

In addition to the above two functions, some tools have fire extinguishing function.

3.2 window breaker

point head (of the escape tool) used to hit and break tempered glass

3.3 tempered glass

type of sheet glass, used for automobiles, whose dynamic strength has been increased so that the glass can crumble into granules when broken

In this Standard, tempered glass to be broken is simply called “glass”.

NOTE : Tempered glass is mainly used for door window, side window and rear window (see Figure 1).