



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS D 5716 : 2024

Emergency escape tools for automobile

Date of Establishment: 2016-09-20

Date of Revision: 2024-03-21

Date of Public Notice in Official Gazette: 2024-03-21

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Transport and Distribution of
Goods

JIS D 5716 : 2024, First English edition published in 2025-08

Translated and published by: Japanese Standards Association
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Printed in Japan

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Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Types	3
5 Performance	3
6 Appearance, structure, shape and materials	3
6.1 Appearance	3
6.2 Structure and shape	4
6.3 Material	5
7 Test methods	5
7.1 General	5
7.2 Hardness test for window breaker	5
7.3 Shape and size test of seatbelt cutter	6
7.4 Low and high temperature resistance test	7
7.5 Temperature/humidity cycle test	7
7.6 Seatbelt cutting test	8
7.7 Window breaking test	9
7.8 Impact test	12
7.9 Drop test	13
8 Inspection	13
9 Marking	13
10 Instruction manual	14

Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Act. This edition replaces the previous edition (**JIS D 5716 : 2016**), which has been technically revised.

However, **JIS D 5716 : 2016** may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 20 March 2025.

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Emergency escape tools for automobile

1 Scope

This Japanese Industrial Standard specifies requirements for 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 with a nominal thickness of 4 mm or under, but not intended for laminated or organic glass. This Standard is also applicable to seatbelt cutting function and window breaking function of the escape tools which possess fire extinguishing or other additional function.

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

2 Normative references

Part or all of the provisions of the following standards, 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 2244-1 *Vickers hardness test — Part 1 : Test method*

3 Terms and definitions

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

3.1

emergency escape tool for automobile

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

Note 1 to entry Some escape tools comprise seatbelt cutting function and glass breaking function as separate functions that are used in combination, or comprise fire extinguishing or other additional function as an integral part of the tool.

3.2

window breaker

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