

JIS

JAPANESE INDUSTRIAL STANDARD

Tempered Glasses

Ⓒ JIS R 3206—1989

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.



1. Scope

This Japanese Industrial Standard specifies the tempered glasses ⁽¹⁾ to be used mainly for the windows, furnitures and the like of buildings, railway vehicles and ships (excluding round window tempered glasses for ships.).

Note ⁽¹⁾ The tempered glasses are those plate glasses which are so heat treated as to form intensive compressive stress layers on glass surfaces, to increase breaking strength, and to crush into fine pieces when damaged.

2. Definitions

For the purpose of this Standard, the following definitions apply.

- (1) float tempered glasses Those tempered glasses of which material plate glasses are of float and polished plate glasses specified in JIS R 3202 or of heat absorbing float and polished plate glasses specified in JIS R 3208.
- (2) figured tempered glasses The tempered glasses of which material plate glasses are of the figured plate glasses specified in JIS R 3203.

3. Types and Symbols

The types of the tempered glasses shall be classified into as given in the following according to the shapes, conditions of broken pieces and shot bag impact characteristics.

- (1) Types according to shapes and names according to types of material plate glass used shall be as given in Table 1.

Applicable Standards:

JIS B 1501-Steel Balls for Ball Bearings
JIS B 7502-Micrometer Callipers for External Measurement
JIS B 7512-Steel Tape Measures
JIS B 7516-Metal Rules
JIS B 9806-Shots for Shot Gun Cartridges
JIS K 6301-Physical Testing Methods for Vulcanized Rubber
JIS R 3202-Float and Polished Plate Glasses
JIS R 3203-Figured Glasses
JIS R 3208-Heat Absorbing Glass

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Table 1. Types According to Shapes and Names
According to Material Plate Glasses

Type according to shape	Name according to type of material plate glass	
Flat tempered glass	Figured tempered glass	4 mm
	Float tempered glass	4 mm
		5 mm
		6 mm
		8 mm
		10 mm
		12 mm
		15 mm
		19 mm
Curved tempered glass	Float tempered glass	5 mm
		6 mm
		8 mm

- (2) Types according to conditions of crushed pieces and shot bag impact characteristics and symbols shall be as given in Table 2.

Table 2. Types According to Characteristics and Symbols

Type	Symbol	Characteristics
Class 1	T I	Flat tempered glasses and curved tempered glasses which conform to the requirements of 4.4.
Class 3	T III	Flat tempered glasses which conform to the requirements of 4.4 and 4.5.

4. Qualities

4.1 Appearance The appearance of the tempered glasses, when tested in accordance with 7.1, shall conform to the requirements of Table 3.