

SINGAPORE STANDARD

# **Specification for steel windows and doors for domestic and similar buildings**

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**Specification for steel windows and doors for  
domestic and similar buildings**

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The Building and Construction Industry Standards Committee appointed by the Standards Council consists of the following members:

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	Mr Tay Kwang Seng	Singapore Manufacturers' Association

The Technical Committee appointed by the Building and Construction Industry Standards Committee and responsible for the preparation of this standard, consists of representatives from the following organizations:

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To keep abreast of technological changes and new technical developments in the manufacturing sector, Singapore Standards are subject to periodical review. Revisions of Singapore Standards are announced through the issue either of amendment slips or of revised editions.

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SINGAPORE STANDARD  
SPECIFICATION FOR STEEL WINDOWS AND DOORS  
FOR DOMESTIC AND SIMILAR BUILDINGS

FOREWORD

This Singapore Standard was prepared by the Technical Committee on Steel Windows and Doors for Domestic and Similar Buildings under the authority of the Building and Construction Industry Standards Committee. This standard is a revision of SS 118 : 1975.

In revising the standard, consideration was given to review the test requirements for the hinges of side hung and top hung windows and doors.

This revised standard also embodies the modularly co-ordinated sizes for steel windows and doors recommended by the Singapore Metrication Board.

In the preparation of this standard, \*BS 990 : Part 2 : 1972 was used as the basis. Other specifications referred to are as follows and acknowledgement is hereby made for the use of information from these references.

- |    |                                   |                                        |
|----|-----------------------------------|----------------------------------------|
| 1. | British Standard 18 : Pt 3 : 1971 | Methods for Tensile Testing of Metals  |
| 2. | Indian Standard 1038 : 1968       | Steel Doors, Windows and Ventilators   |
| 3. | Indian Standard 1361 : 1959       | Steel Windows for Industrial Buildings |

The principal features in this standard are as follows:

1. The following code references have been used:

Prefix (numerical) refers to the number of increments of 100 mm length.

Suffix (numerical) refers to the number of increments of 100 mm height.

- |   |                                                 |
|---|-------------------------------------------------|
| F | Fixed light                                     |
| C | Side-hung window or door opening outwards       |
| V | Top-hung window opening outwards                |
| S | Fixed sub-light                                 |
| D | Door opening outwards                           |
| J | Pressed steel filler panel to receive partition |

\*British Standard 990 'Steel Windows Generally for Domestic and Similar Buildings'.

JB Pressed steel filler panel with internal cover when partition does not meet the filler panel

RH Right hand (viewed from the outside)

LH Left hand (viewed from the outside)

2. Window sizes are based on multiples of 100 mm, the vertical increments being generally 200 mm and the horizontal increments 300 mm with 100 mm pressed steel filler panels.
3. Top hung windows and fixed sub-lights are generally 300 mm high.

**NOTE.** Windows and doors are not designed to carry load at the head and it is essential that they should not be used as supports for brick-work, concrete, etc., or for scaffolding and other temporary plant.

## **SS 118 : 1980**

### **1. SCOPE**

This Singapore Standard specifies materials, construction, finish and hardware for steel windows and doors manufactured from rolled steel sections to standard sizes and designs. Information is given on other optional features and items which are available if specially ordered.