

The world's favorite lock



# Hinges



# Hinges

Manufactured from high grade stainless steel, the Yale Hinges are designed to provide an effective solution to hanging doors where there is a need for high grade quality button-tipped hinges.

## Features and Specifications

### Standards

- Design complying to EN1935

### Non-rising pin

- Easily seated pin that will not rise during normal use
- Pin is made of stainless steel 304 to ensure durable performance
- Non removal pin option

### Types of hinges available

- Two Ball Bearing Hinge
- Stainless Steel Washers Hinge
- Plain Hinge

## Application

Selecting hinges recommended in this catalogue there are a few variables which must be considered and guidelines to be observed.

To determine hinge selection for individual doors, it is recommended that the guidelines contained in this catalogue are followed.

When reading dimensions, the first figure always indicates the height and the second indicates the width. eg. 102 mm x 76 mm.

### Hinge Height

The appropriate hinge height for any job is dependent upon the door width, thickness and weight. The height of the hinge is the length of the flap, not including the tips of the pin, as shown in Diagram 1.

### Hinge Width

The door thickness and door jamb width (also trim size if applicable) determine the width of the hinge required. The width is measured across the leaves when the hinge is fully opened as shown in Diagram 1

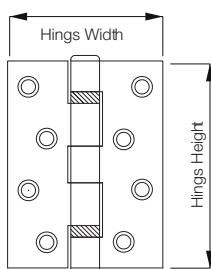


Diagram 1

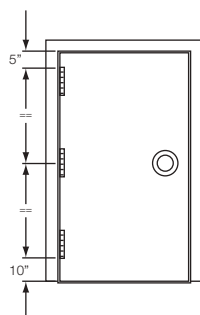
## Number of Hinges per Door

The following quantity of hinges are recommended for doors of various door height:

- 2 hinges: Up to 1524mm
- 3 hinges: 1524mm~ 2286mm
- 4 hinges: 2286mm~ 3048mm

Note:

- Each additional 762mm(30") add one hinge
- 3 hinges can keep door vertical such that to avoid hinge wear



## Hinge Selection

The chart on will be most useful in selecting the correct hinge type.

Simply identify read off the recommended hinge selection. Variations to this chart will need to be made only in unusual circumstances on specific jobs or according to personal preferences.

## Commercial

Heavy, duty high premium – Stainless Steel Ball Bearing Button Tip Hinges are recommended for commercial applications, particularly on 'high traffic' doors.

Stainless Steel Ball Bearing hinges should be used on heavy doors. These can generally be classified as steel glazed doors, solid core timber doors and fire doors.

Stainless Steel Ball Bearing hinges should also be used on doors fitted with closers or automatic door operating equipment.

## Finishes

Satin Stainless Steel - US32D

# Hinges

## Standard - Stainless Steel Button Tipped Hinge

Suitable for general purpose interior/exterior doors where a standard hinge is required.

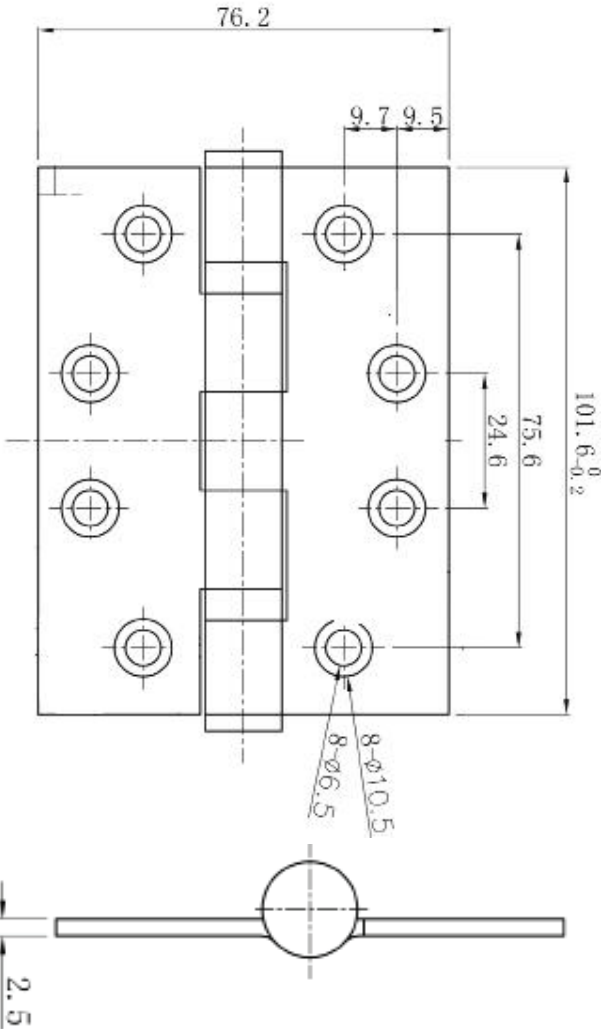
- Manufactured from high grade stainless steel.
- Non-rising pin facilitate install.
- Template drilled holes.
- SS304.

**Product Information:**

Model No:	Finishes	Product Description	Hinge size (mm)			Max Door weight (kg)
3S2BB403025-CE	US32D	Yale 102 x 76 x 2.5 - 2 Ball Bearing Button Tipped	Height 102	Width 76	Thick 2.5	120kg

**Part Description**  
102 x 76

 FIRE RATED



# Hinges

## Standard - Stainless Steel Button Tipped Hinge

Suitable for general purpose interior/exterior doors where a standard hinge is required.

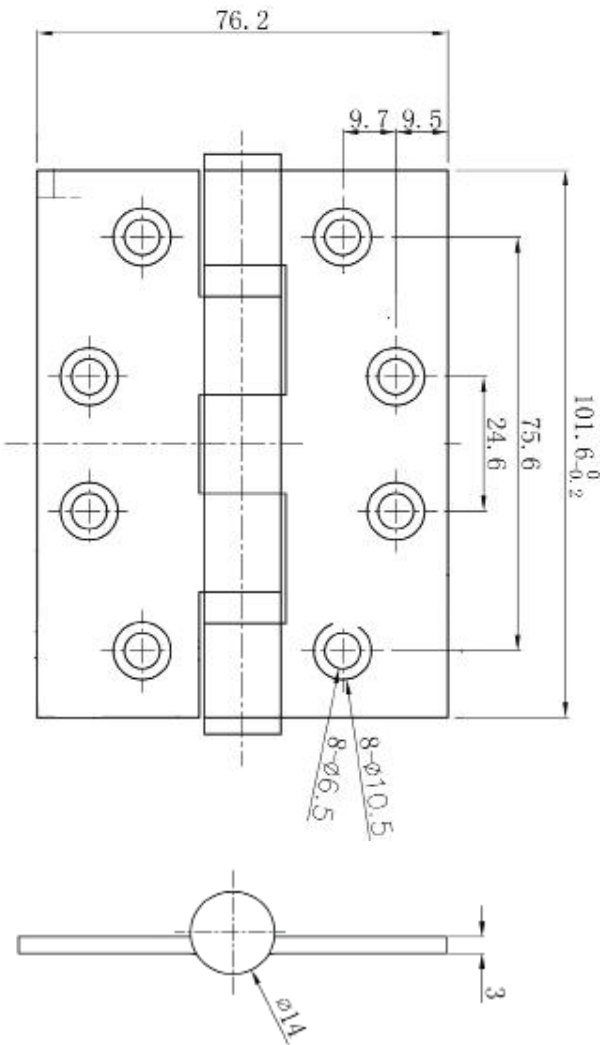
- Manufactured from high grade stainless steel .
- Non-rising pin facilitate install.
- Template drilled holes.
- SS304

**Product Information:**

Model No:	Finishes	Product Description	Hinge size (mm)			Max Door weight (kg)
3S2BB403030-CE	US32D	Yale 102 x 76 x 3.0 - 2 Ball Bearing Button Tipped	Height	Width	Thick	120kg
			102	76	3.0	

**Part Description**  
102 x 76

 FIRE RATED



All dimensions are in mm

# Hinges

## Standard - Stainless Steel Button Tipped Hinge

Suitable for general purpose interior/exterior doors where a standard hinge is required.

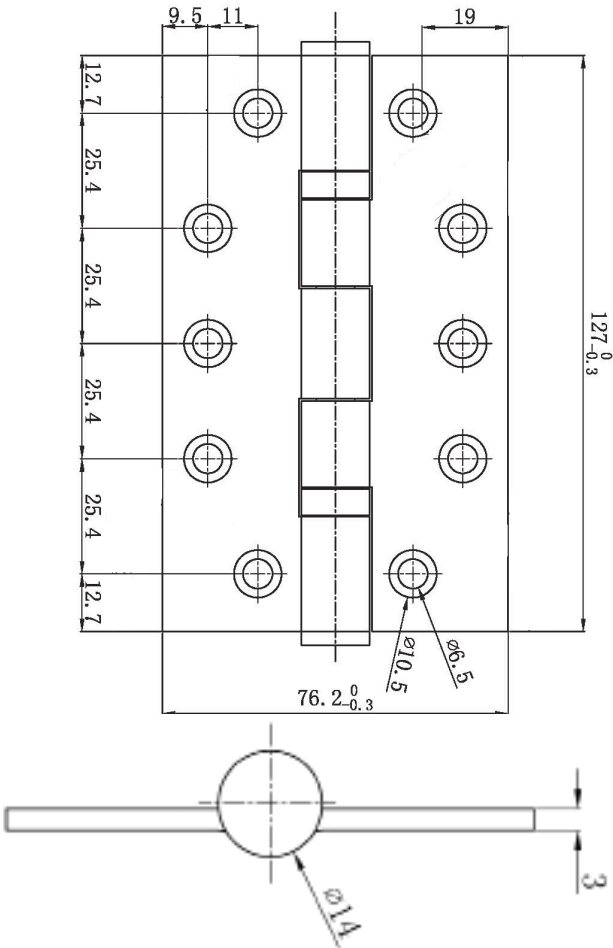
- Manufactured from high grade stainless steel, 316 is optional available for applications of higher requirement.
- Non-rising pin facilitate install.
- Template drilled holes.
- SS304.

**Product Information:**

Model No:	Finishes	Product Description	Hinge size (mm)			Max Door weight (kg)
3S2BB503030-CE	US32D	Yale 127 x 76 x 3.0 - 2 Ball Bearing Button Tipped	Height 127	Width 76	Thick 3.0	120kg

**Part Description**  
**127 x 76**

 **FIRE RATED**



**How to Order**

3S2BB	X	US32D
Model No:		Finish
3S2BB403025-CE 3S2BB403030-CE 3S2BB503030-CE		US32D- Satin Stainless Steel

e.g. 3S2BB403025 - US32D

All dimensions are in mm

# Hinges

## Hinge Selection Chart

The following chart will be most useful in selecting the correct hinge type. Simply identify the dimensions of the door to be installed and read off the recommended hinge selection. Consideration to door weight must be assessed prior to hinge selection. Variations to this chart will need to be made only in unusual circumstances on specific jobs or according to personal preferences.

Note: The chart is intended as a guide only and as such is not meant to be exhaustive or any more than a rule of thumb for particular application.

Door Thickness (mm)	Door Width (mm)	Door Height (mm)	Recommended Hinge Selection
30mm ~ 45mm	Under 900	210mm	3 Hinges by 102 x 76 x 2.5
		2040 mm ~ 2340 mm	3 Hinges by 102 x 76 x 2.5
		2340 mm ~ 3000 mm	4 Hinges by 102 x 76 x 2.5
	900 ~ 1000	210mm	3 Hinges by 102 x 76 x 3.0
		2040 mm ~ 2340 mm	3 Hinges by 102 x 76 x 3.0
		2340 mm ~ 3000 mm	4 Hinges by 102 x 76 x 3.0
	1000 Over	210mm	3 Hinges by 102 x 76 x 3.0
		2040 mm ~ 2340 mm	3 Hinges by 102 x 102 x 2.5
		2340 mm ~ 3000 mm	4 Hinges by 102 x 102 x 2.5
45mm ~ 55mm	Under 900	210mm	3 Hinges by 102 x 102 x 2.5
		2040 mm ~ 2340 mm	3 Hinges by 127 x 89 x 3.0
		2340 mm ~ 3000 mm	4 Hinges by 127 x 89 x 3.0
	900 ~ 1000	210mm	3 Hinges by 127 x 89 x 3.0
		2040 mm ~ 2340 mm	3 Hinges by 127 x 89 x 3.0
		2340 mm ~ 3000 mm	4 Hinges by 127 x 89 x 3.0
	1000 Over	210mm	3 Hinges by 127 x 102 x 3.0
		2040 mm ~ 2340 mm	3 Hinges by 127 x 102 x 3.0
		2340 mm ~ 3000 mm	4 Hinges by 127 x 102 x 3.0

## Specification Service

For all Architectural hardware specification assistance refer to your local ASSA ABLOY Sales Office.

A fully comprehensive, obligation free, Architectural Door Hardware specification can be prepared by Architectural Hardware Consultants.

## Cleaning

Care should be taken during construction/refurbishment to ensure that paint, thinners, mortar or cement splashes are carefully removed from locks, furniture and hardware. Removal of these splashes with strong cleaning agents or scourers should be avoided.

Dirt and grime should be regularly removed with a soft and clean cloth. Do not use solvent based or abrasive cleaning agents. During cleaning, care should be taken to prevent cleaning solution from entering the cylinder keyway. Surfaces should be dried and possibly lubricated.