

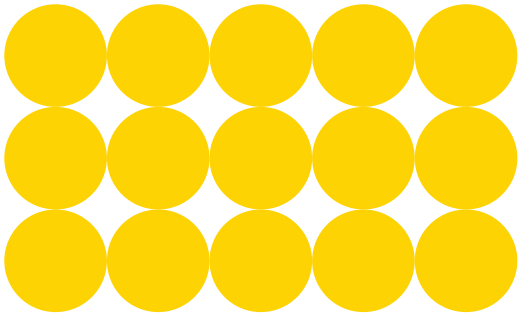
The world's favorite lock



Y Series Hinges



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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 ANSI 156.1 and 350,000 cycle tested

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

Hinges

- Five Knuckles: The five knuckle hinges are made to retain the reputation of a good hinge

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

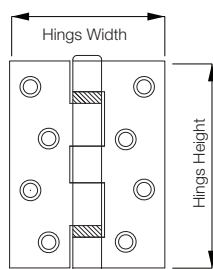


Diagram 1

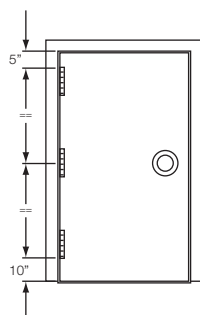
Number of Hinges per Door

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 page 7 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.

Fixing Screws

Each Butt hinge is supplied with the appropriate sized screws.

Standard : Wood screws

- 8 Gauge screws for hinge thickness < 2.5mm
- 10 Gauge screws for hinge thickness >= 2.5mm

Optional : Machine screws - Flat head

- M5 x 10pcs

* Standard wood screws are supplied if not specify.

Finishes

Satin Stainless Steel - US32D

Polished Stainless Steel - US32

Hinges

High Premium – Stainless Steel Ball Bearing Button Tip Hinge

Suitable for interior/exterior doors where a durable, architectural ball bearing hinge is required, or when being used in conjunction with a doorcloser or door operator.

- Two ball bearings.
- Manufactured from high grade stainless steel, some variants available in 304 stainless steel and 316 is optional available for applications of higher requirement.
- Non-rising pin facilitate install.
- Imperial Sizes.
- Standard Imperial hole pattern.

Product Information

Model No:	Finishes		Product Description	Hinge Size (mm)			Max. Door Weight (kg)
	Standard	Optional		Height	Width	Thick	
Y2BB-010	US32D	US32	Yale 102 x 76 x 2.5 - 2 Ball Bearing Button Tipped	102	76	2.5	60
Y2BB-020	US32D	US32	Yale 102 x 76 x 3.0 - 2 Ball Bearing Button Tipped	102	76	3	70
Y2BB-030	US32D	US32	Yale 127 x 89 x 2.5 - 2 Ball Bearing Button Tipped	127	89	2.5	70
Y2BB-040	US32D	US32	Yale 127 x 89 x 3.0 - 2 Ball Bearing Button Tipped	127	89	3	80
Y2BB-050	US32D	US32	Yale 127 x 102 x 3.0 - 2 Ball Bearing Button Tipped	127	102	3	80

Part Description: 102 x 76



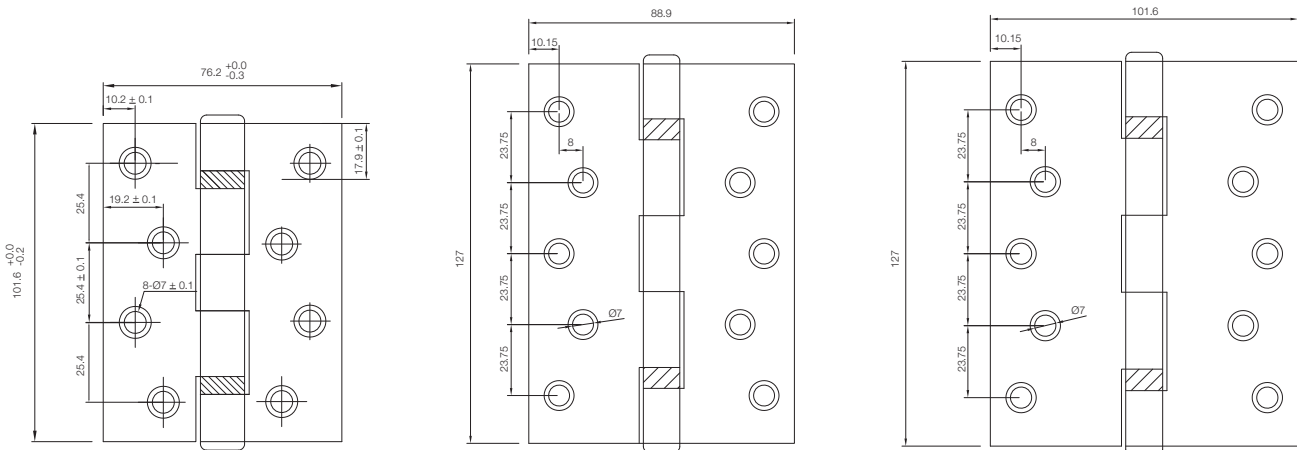
127 x 89



127 x 102



Limiting Dimensions



All dimensions are in mm

Premium - Stainless Steel Washers Button Tip Hinge

Suitable for interior/exterior doors where a durable, heavy duty hinge is required, or when being used in conjunction with a door closer.

- Four Stainless Steel Washers.
- Manufactured from 304 stainless steel and 316 is optional available for applications of higher requirement.
- Non-rising pin facilitate install.
- Imperial Sizes.
- Standard Imperial hole pattern.

Product Information

Model No:	Finishes		Product Description	Hinge Size (mm)			Max. Door Weight (kg)
	Standard	Optional		Height	Width	Thick	
Y4SW-010	US32D	US32	Yale 102 x 76 x 2.5 - 4 Stainless Steel Washer	102	76	2.5	60
Y4SW-020	US32D	US32	Yale 102 x 102 x 2.5 - 4 Stainless Steel Washer	102	102	2.5	60

Part Description:

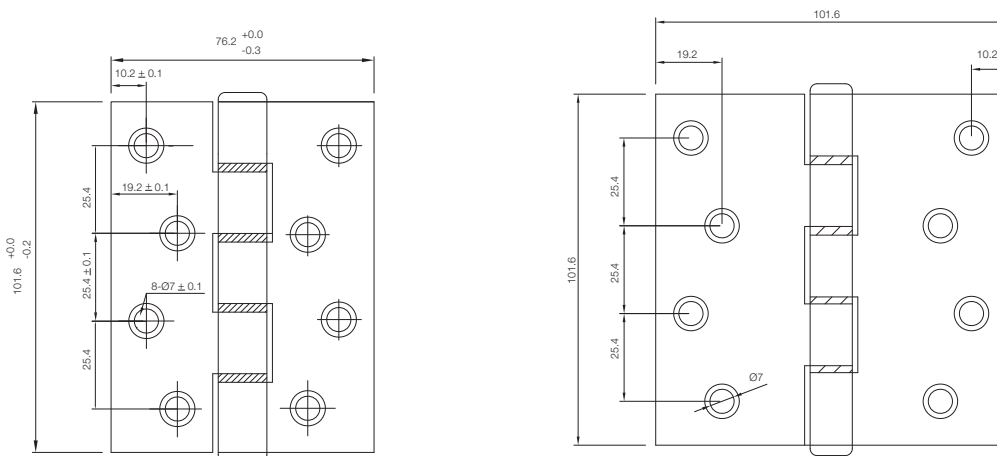
102 x 76



102 x 102



Limiting Dimensions



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.
- Imperial Sizes.
- Standard Imperial hole pattern.

Product Information

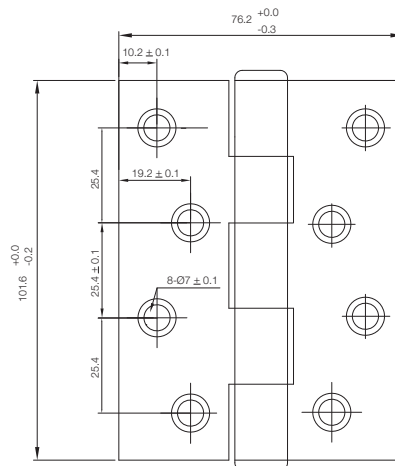
Model No:	Finishes		Product Description	Hinge Size (mm)			Max. Door Weight (kg)
	Standard	Optional		Height	Width	Thick	
YPH-010	US32D	US32	Yale 102 x 76 x 2.5 - Plain Hinge	102	76	2.5	80
YPH-020	US32D	US32	Yale 127 x 89 x 3.0 - Plain Hinge	127	89	3.0	80

Part Description:

102 x 76



Limiting Dimensions



How to order

Y2BB - 010

X

US32D

Model No.

Y2BB - 010 Y2BB - 020 Y2BB - 030 Y2BB - 040 Y2BB - 050
Y4SW - 010 Y4SW - 020 YPH - 010 YPH - 020

Finish

US32D - Satin Stainless Steel
US32 - Polished Stainless Steel

e.g. Y2BB - 040 x US32D Yale 127 x 89 x 3.0 - 2 Ball Bearing Button Tipped Satin Stainless Steel finish

All dimensions are in mm

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.

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