



ASSA ABLOY

# Stainless Steel Hinges



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## 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.

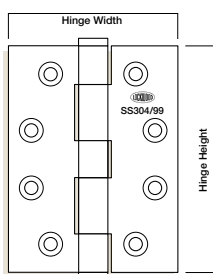


Diagram 1

## 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.

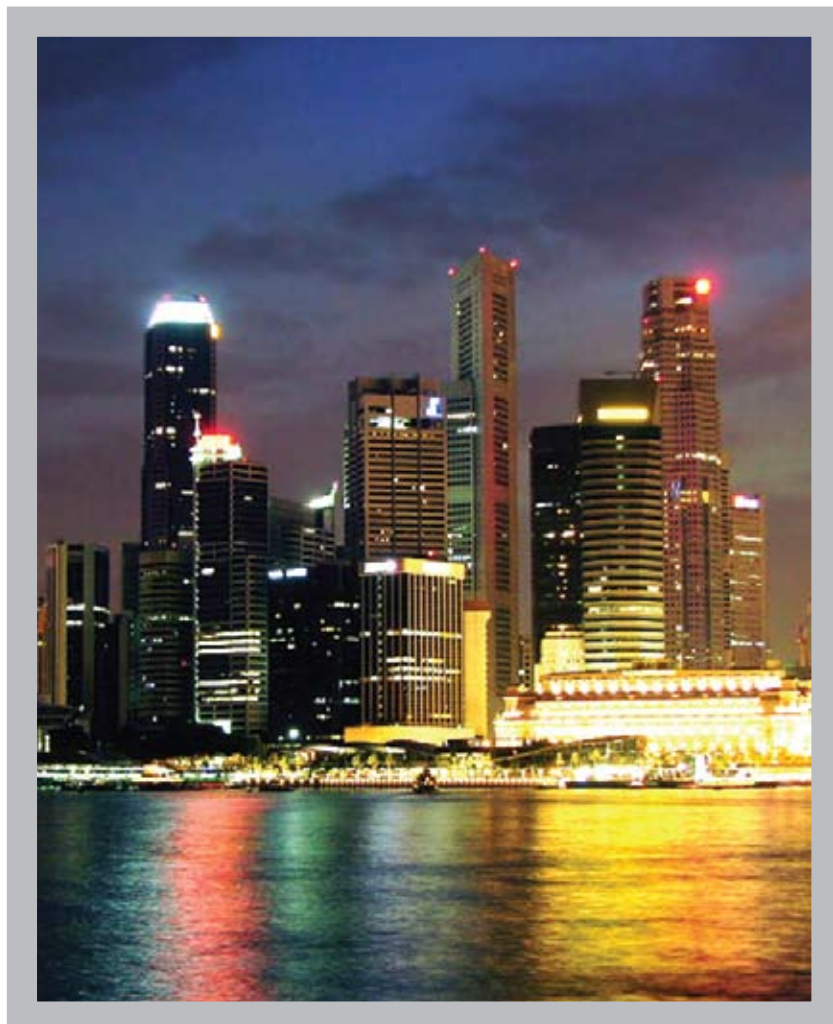
## Hinges Per Door

For most internal doors, three hinges will be sufficient; however, it is recommended that four hinges should be installed on doors with closers, doors likely to receive heavy use or slamming and/or external doors where the probability of warping is a consideration.

If in doubt, it is advisable to install the higher number of recommended hinges to ensure job quality.

## Hinge Selection

The chart on page 7 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. 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 wood screws.

- 8 Gauge screws for 76 mm width hinge.
- 10 Gauge screws for 102mm and greater width hinges.

## Finishes

Satin Stainless Steel SSS

# Stainless Steel 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 304 stainless steel, some variants available in 202 stainless steel
- Available fixed pin only.
- Imperial Sizes.
- Standard Imperial hole pattern.

### Product Information

Model No:	Article Number:	Product Description	Hinge Size (mm)			Grade Stainless
			Height	Width	Thick	
H2BB-01	111010-001-630	Lockwood 102 x 76 x 2.5 - 2 Ball Bearing Button Tipped SSS 304	102	76	2.5	304
H2BB-02	111010-002-630	Lockwood 102 x 76 x 3.0 - 2 Ball Bearing Button Tipped SSS 202	102	76	3	202
H2BB-03	111010-003-630	Lockwood 102 x 76 x 3.0 - 2 Ball Bearing Button Tipped SSS 304	102	76	3	304
H2BB-04	111010-004-630	Lockwood 127 x 89 x 3.0 - 2 Ball Bearing Button Tipped SSS 202	127	89	3	202
H2BB-05	111010-005-630	Lockwood 127 x 89 x 3.0 - 2 Ball Bearing Button Tipped SSS 304	127	89	3	304
H2BB-06	111010-006-630	Lockwood 127 x 102 x 3.0 - 2 Ball Bearing Button Tipped SSS 304	127	102	3	304

### Part Description:

102 x 76



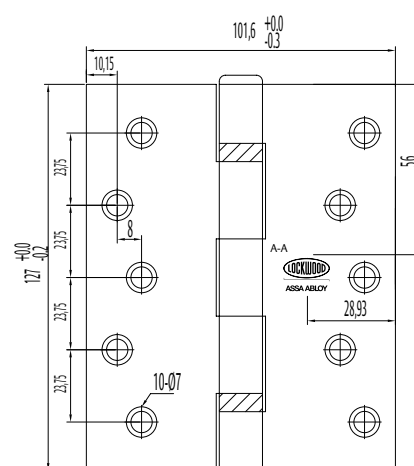
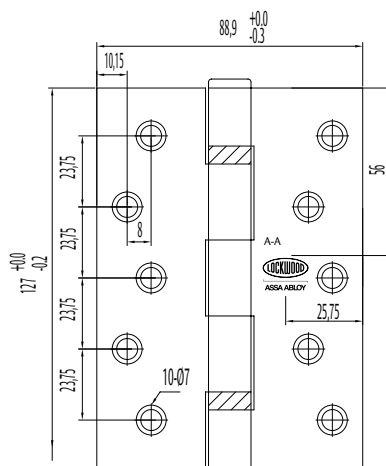
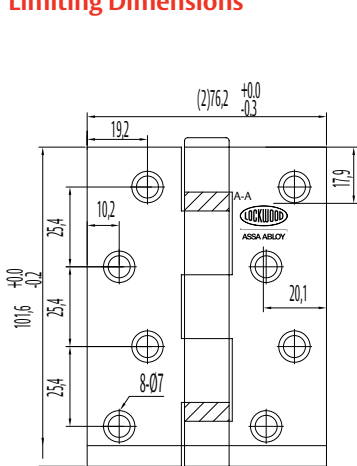
127 x 89



127 x 102



### Limiting Dimensions



## 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
- Available fixed pin only.
- Imperial Sizes.
- Standard Imperial hole pattern

### Product Information

Model No:	Article Number:	Product Description	Hinge Size (mm)			Grade Stainless
			Height	Width	Thick	
H4SW-01	111020-001-630	Lockwood 102 x 76 x 2.5 - 4 Stainless Steel Washer SSS 304	102	76	2.5	304
H4SW-02	111020-002-630	Lockwood 102 x 102 x 2.5 - 4 Stainless Steel Washer SSS 304	102	102	2.5	304

### Part Description:

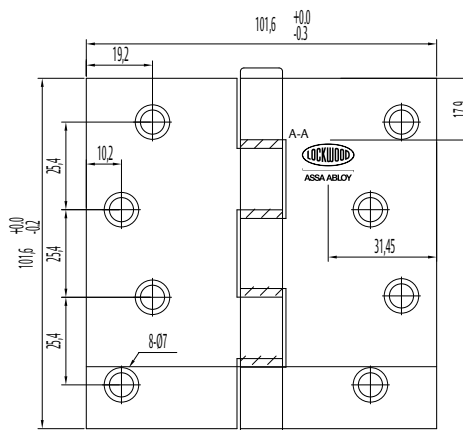
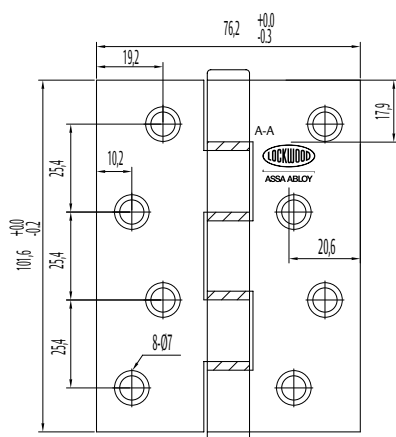
102 x 76



102 x 102



### Limiting Dimensions



# Stainless Steel Hinges

## Standard – Stainless Steel Button Tipped Hinge

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

- Manufactured from 202 and 304 stainless steel, • Available fixed pin only.
- Imperial Sizes.
- Standard Imperial hole pattern

### Product Information

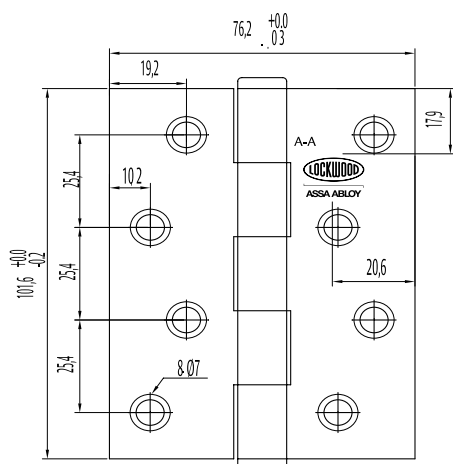
Model No:	Article Number:	Product Description	Hinge Size (mm)			Grade Stainless
			Height	Width	Thick	
HPH-01	111030-001-630	Lockwood 102 x 76 x 2.5 - Plain Hinge SSS 202	102	76	2.5	202
HPH-02	111030-002-630	Lockwood 102 x 76 x 2.5 - Plain Hinge SSS 304	102	76	2.5	304

### Part Description:

**102 x 76**



### Limiting Dimensions



## 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 refers to your local ASSA ABLOY Sales Office.

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

## 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 damp cloth. A solution of mild soap and water may be required. 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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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

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