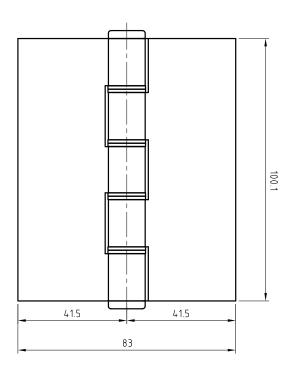


# **ALUMINIUM CONCEALED BUTT HINGE**

## Code No. A 142



### **APPLICATION**

Suitable for Aluminium doors in medium usage situations.

### **SPECIFICATION**

- Alloy: High strength T.6 minimum tensile 254 mpa.
- Pin Dia: 4.7mm 304 Stainless Steel with machined chamfer both ends.
- Bushes: Flanged nylon.
- Knuckle: Round
- Aluminium Endcaps: Pressed-in interference fit.
- Maximum Weight Capacity: 20 kg (turn over for further information)

## **INSTALLATION GUIDE ONLY**

- · Door thickness: Minimum 35mm.
- When using a door closer, we recommend a minimum of 3 hinges be used, with the top hinge located as high as possible. For excessive usage, a fourth hinge may be required.
- Standard Door: 2040 (h) x 820 (W)

#### **FIXING**

- Fastening screws <u>not</u> supplied.
- · Concealed fix.
- · Pop rivets are not recommended.

#### **FINISH**

· Satin Natural Anodised only.

#### OLD CODE NO.

AB 45



Code No. A 142



## **CONCEALED HINGE INFORMATION**

#### Standard Application:

- The top hinge is 127mm down from the frame rebate to top of the door.
- Bottom hinge 254mm from bottom edge of barrel to bottom of the door.
- The third hinge is centered between the top and bottom hinges (if more than three hinges used, distance is equal for all between the top and bottom hinges). See Example Door A.
- The hinge is to be inserted into the inner section of the jamb and door extrusion to a depth
  of the hinge leaf. It should then be secured to the inner face of the frame with metal thread
  screws. This should also be done to the corresponding edges of the door to be swung.
- There will be a gap between the frame and the door edge equal to the distance between the two hinges when in the closed position (known as the 'Swage'). See Closed Door Top View diagram.
- Space out and mark all holes for pre-drilling before attaching the hinges.

#### With Door Closer:

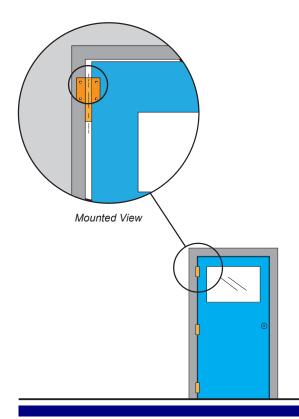
- · If you are using a door closer, you will need to add an extra hinge on top of the advised chart.
- The spacing between the top two hinges should be the same as the length of the hinge.
- The first hinge should be as close (high) as possible to the door closer. The second should then be spaced equal to the hinge size (length) down the door. All subsequent hinges should be evenly spaced thereafter. See Example Door B

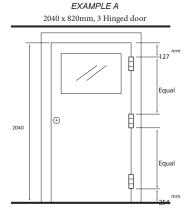


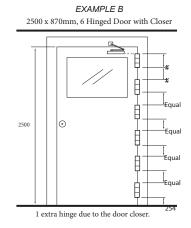
Insert and Fix In Place

#### Closed Door Top View









Number of Hinges Required per Door Size	
	820 - 900 mm (W)
2100 mm (H)	3
2300 mm (H)	4
2500 mm (H)	5
*All information is regarded as generic unless specified in writing by us.  Contact us for custom sizes and further information.	