

## Internal Door Hinges - FAQs & Notes for Installation & Maintenance

### **Which type of hinge do I need to use?**

Hinges are only suitable for use on fire resisting or fire escape doors if the hinge is CE marked and the fourth digit of the 8 digit classification code is '1'.

Check the weight of the door leaf and choose a hinge suitable to carry a door of that weight. If in doubt choose a bigger hinge than you think to be sure it will be strong enough.

For ease of removing a door leaf from the frame choose a loose pin hinge.

Never use a loose pin hinge on a door opening outwards externally.

Most hinges need to be morticed into the door edge and frame, if you do not or cannot mortice the hinges, then choose a flush or hurl hinge.



Morticed Hinge =



Flush Hinge =

If you do require the door to be self-closing and do not want to fit a separate doorcloser, then choose a Spring Hinge.

### **How many hinges will I need?**

We always recommend 1.5pair hinges per standard size door leaf. For door leaves of exceptional width or height, please contact our office for advice.

### **Where should I fit the hinges?**

For standard height door leaves, in residential situations we recommend one hinge should be fitted centrally, the other two hinges to be fitted 770mm from the centre of the middle hinge. (BS4787:Pt1 1980)

### **How do I fit the hinges?**

Some hinges such as Spring Hinges have additional points to note for installation. See separate instructions

Flush hinges and hurl hinges are fitted without any preparation to the door and frame.

For fitting hinges into timber doors and frames we recommend drilling pilot holes before driving in the woodscrews to prevent the timber from splitting.

For standard hinges mortice both the door leaf edge and frame jamb to a depth equal to the thickness of the hinge blade.

Standard woodscrews are supplied with all hinges however you must ensure the correct fixing screws are used appropriate to the door leaf material and frame material. Ensure the screw heads are countersunk to sit flush in the countersunk holes of the hinge blade.

Where hinges have an odd numbered quantity of knuckles, fit the leaf with the highest number of knuckles to the frame.

At installation we recommend the hinge bearing points are lubricated using a silicone or non-silicone based lubricant, eg. 'WD-40' or 'Tri-Flo'.

When fixing loose pin hinges ensure the pin head is to the top of the hinge when fitted, pull out and reverse if necessary.

Ensure the screws have been driven home and are secure.

### **Should I maintain the hinges?**

We recommend that the hinges are checked annually to ensure the screws remain fixed securely.

At these annual checks we recommend the hinge bearing points are lubricated using a silicone or non-silicone based lubricant, eg. 'WD-40' or 'Tri-Flo'.

The hinge surfaces and knuckle should be cleaned using household soap and water with a soft cloth.

Over time the pin of loose-pin hinges will ride up, if this occurs gently tap the pin head back down.

If black dust appears then it is a sign the hinges are not in line and need adjusting. Wipe away, adjust and lubricate.