

(9.) Final installation check. Ensure all screws are fully tightened. If required, the hinges may be lubricated using fine machine oil ensuring that any floor finishes are protected and any excess oil wiped off on completion.

Maintenance

Door maintenance, particularly on fire doors, fire exit routes and high traffic routes is an integral part of any well planned and scheduled maintenance program within a building.

Included within this schedule should be a regular minimum annual check on fixing screw, replacing any that are loose, and lubrication of the hinges using a fine machine oil such as WD40 or similar ensuring that any floor finishes are protected, and any excess oil is wiped off on completion.

	D.P. Garg & Company Pvt. Ltd. B-210B, Phase -2, Noida - 201305 (U.P.) India Ph. No. : +91-120-2460091, 2460085-87 Fax. +91-120-2460083	20
---	---	----

Plain Joint Butt Hinges	1121-CPR-AC5057	BS EN 1935 : 2002	2	7	2	1	1	2	0	7
Ball Bearing Hinges	1121-CPR-AC5058	BS EN 1935 : 2002	2	7	2	1	1	2	0	7
	1121-CPR-AC0166	BS EN 1935 : 2002	2	7	2	0	1	4	0	7
	1121-CPR-AC5104	BS EN 1935 : 2002	3	7	4	1	1	3	0	11
	1121-CPR-AC0171	BS EN 1935 : 2002	3	7	4	0	1	4	0	11
	1121-CPR-AC0067	BS EN 1935 : 2002	4	7	6	1	1	4	0	13

For Declaration of Performance please go to www.sichern.co.uk

HINGES



Fitting instruction for the following

Tools required :

- Drill & 25.4mm (1") drill bit
- Mallet
- Chisel
- Pozi drive Screwdriver
- Pencil/Marker
- Masking tape

Hinge Installation :

(1.) Identify the required fixing positions of the hinges on the door using the following guidance :

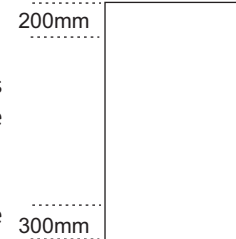


Fig 1

Fig 1. To BSEN 1935:2002. The hinge grades detailed in this standard are based on 3 hinges being fitted to the doorset. The standard practice and the most common, providing maximum resistance to wrapping.

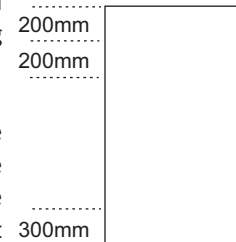


Fig 2

Fig 2. When overhead door closers are used, additional lateral forces are applied to the top hinge. To reduce these forces it is recommended that hinges be spaced as shown.

Fig 3. Where the door width is more than 1000mm and /or the door mass exceeds that allowed for 3 hinges, additional hinges can be fitted. Equal spacing provides maximum resistance to warping.

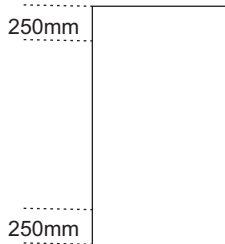
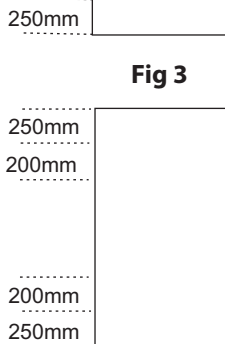


Fig 4. When overhead door closer are used within the example shown in Fig 3, due to the increased lateral forces created by the door closer on the top hinge, it is recommended that hinges are spaced as shown.



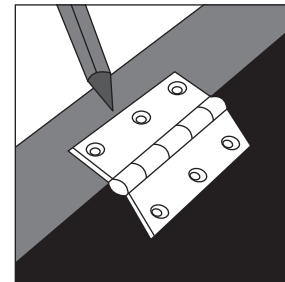
Every 3 months, check hinge screws are tight and lubricate hinges knuckle as necessary. Wipe off any excess grease with white spirit.

- (2.) For fire door application use intumescent pad (1 pad per hinge -1 mm for 30 minutes and 2mm for 60 minutes.)
- (3.) Position the leaf so that the knuckle (crank line) is slightly proud of the door frame and mark around the hinge leaf.
- (4.) Mortise out the door to a depth equal to the thickness of the hinge leaf and intumescent. This will provide optimum clearance between door and frame in compliance with BS4787.

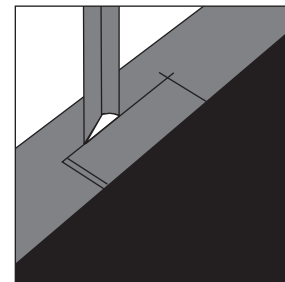
Fig 3

Fig 4

(5.) Locate the hinge leaf in the mortise, mark hole positions and pilot drill to suit the fixing screws. This is particularly important when fixing to hardwood.



(6.) Secure the hinge leaf with three knuckles to the frame. The leaf with two knuckles is fitted to the door. Use the screws provided and repeat for the other hinges.



(7.) When all the hinges are fitted to the door, offer the door in to the frame. Pack under the door to provide the necessary clearance and mark the hinge positions on the frame.

(8.) With the door is in the open position, open the hinge leaves flat against the door jamb ensuring they align with the positions previously marked on the frame. Once in the position, mark out and mortise as instruction 3-6 above.

