

HINGE SPECIFICATION

Specifying the correct hinge is very important, failure to do so may result in the door failing to operate correctly.

Poorly manufactured or installed hinges may bleed lubricant or the bearings may fail causing the door to drop (see images below).

If the door does not hang perfectly in its frame or swing freely the lock or latch may not engage in the strike plate, a door closer may fail to close the door.

FINISHES

Brass hinges are available in all standard Turnstyle Designs finishes; please contact us to discuss special order finishes.

Stainless Steel hinges are available in either Polished or Satin Stainless finishes.

MEASUREMENTS

Hinges are measured Height x Width x Thickness when open i.e. 100 x 75 x 3mm.

LOAD BEARING CAPACITY

Where we state a maximum door weight this is based on three hinges per door.

NUMBER OF HINGES

Generally three hinges should be fitted to each door, For any door exceeding 2134mm (83") in height a fourth hinge should be fitted.

DOOR THICKNESS

75mm (3") hinges are used on 35mm thick doors.

100mm (4") hinges are used on 45mm thick doors.

HINGE INSTALLATION

Hinges should be installed in accordance with the door manufacturers recommendations and instructions. If instructions are not available care must be taken to ensure the hinges are correctly aligned and fixed securely to door and frame.

HINGE POSITIONING

Equally spaced hinges will minimise warping which may occur in environments with extremes of temperature and / or humidity. Unequally spaced hinges may improve load bearing. This is recommended where the hinges are operating close to their load bearing capacity.

