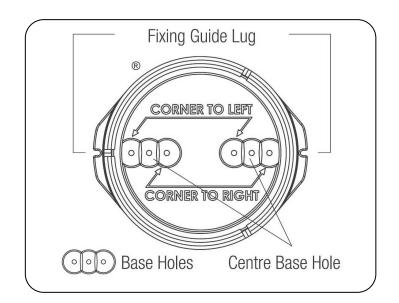
## Thornthwaite Grab Rails Installation Manual

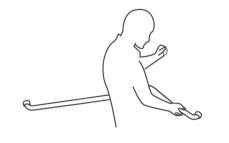
## **IMPORTANT**

Install with stainless steel 304 or 316 screws. Other types of screws may rust and void warranty.

Must be fitted to a solid wall or other firm surface.



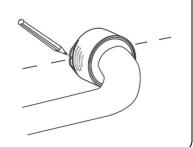
Install straight grab rails including the horizontal section of any grab rails as per AS 1428.1, 800 - 810 mm from floor to top of rail. Make sure wall surface is flat and free from contaminants.



2

For the STRAIGHT grab rails, position the flange protector guide lugs either vertical or horizontal.

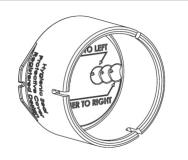
For CORNER grab rails, position the guide lugs Horizontally ONLY then mark at fixing guide lugs.



3

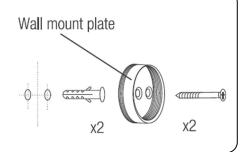
Remove flange protector from grab rail flange.

Align guide lug marks from step 2 and mark wall through base holes to pinpoint screw holes.



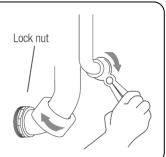
4

Fit dress ring if applicable. Drill Spot marks with 7 mm bit. Screw wall mount plate to wall. ENSURE SCREWS ENGAGE WALL STUD OR OTHER SOLID SUBSTRATE.



5

Fit grab rail into wall mount plate and tighten lock nut firmly.



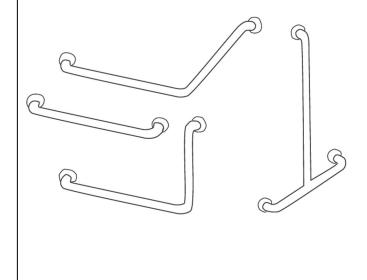
6

Screw flange cover to wall mount plate the thermoplastic elastomer fitted seal.

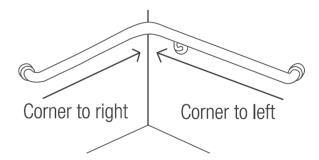
Ensure that the grab rail is securely mounted to the wall so it can withstand a force of 1100 N at any point from any direction and can support loads for which it will be used.



When marking out these grab rails, use centre base holes of flange protector.



When marking out corner grab rails and corner of rail is left of the flange, mark base holes CORNER TO LEFT. If corner rail is right, mark base holes CORNER TO RIGHT



NOTE: Do not use FLANGE PROTECTOR INSTALLATION GUIDE for corner grab rails if screws have to be positioned vertically.