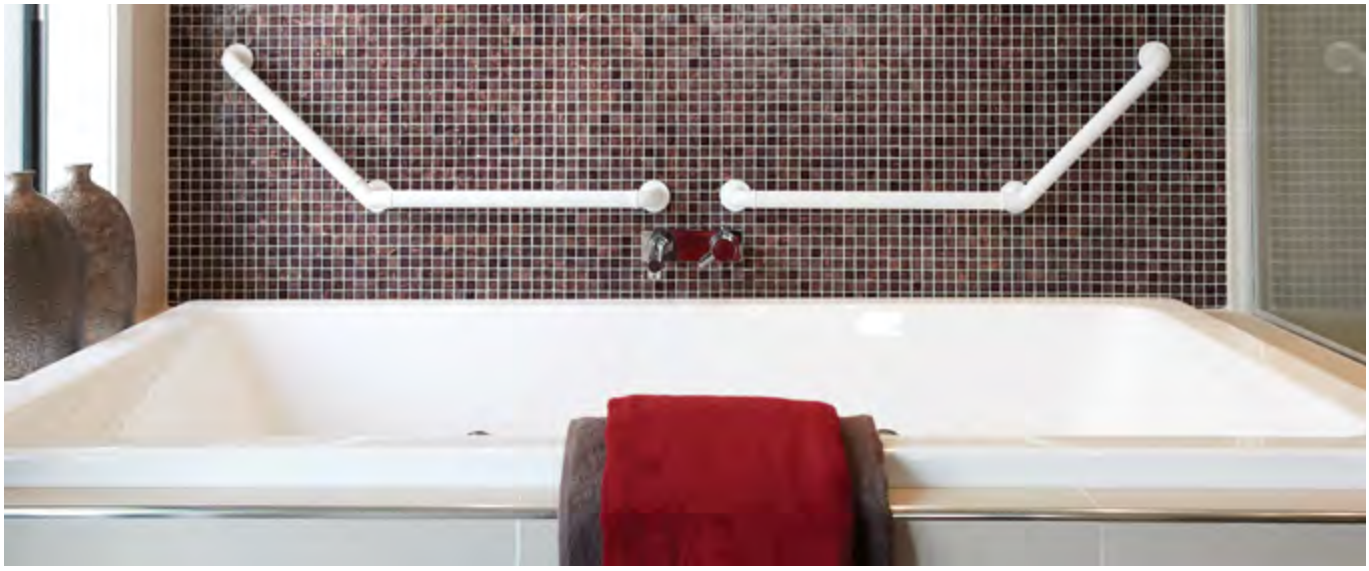
Ten good reasons to choose our grabrails



1 Secure fixing

Our unique single fixing system is designed to have the most secure fixing into the studs, not just into the plasterboard, maximising stability and strength.

2 Rigorously tested

We've conducted extensive tests which show our product performs up to four times better than the Australian Standards requirements.

3 Tried and trusted

Canterbury Concepts grabrails have been used for many years by various government programs throughout Australia including DVA, HACC, HAS and HMMS.

Our grabrails are preferred by Occupational Therapists Australia-wide.

4 Superior performance

Our grabrails have been tested to far beyond the requirements of AS1428, Design for Access and Mobility.

5 Grip

Our rails are powder coated with our own slip resistant finishes to maximise grip and optimise safety.

6 Versatility

The modular system allows the installation of any configuration required, from the simple to the complex, and everything in between.

7 Stylish

Contemporary design and modern colours, white and almond ivory. Grabrails don't have to look cold and clinical. Enjoy your lifestyle, secure at home.

8 Ease of installation

Can be installed by a home handy man in a matter of minutes.

9 Affordable

Just give us a call and find out how affordable our grabrails are.

10 Australian made and owned

All rails and components are sourced and manufactured in Australia.

Single fixing gives greater strength

After rigorous trialling and testing it was found that the grabrail withstood a greater force if there was one large single fixing located through the centre of the wall flange and into the stud, rather than multiple smaller fixings, where many missed the secure fixing point of the timber stud.

Another advantage of our large central fixing is that it is concealed, enhancing the overall stylish appearance unique to Canterbury Concepts grabrails.

The strength tests on our screws show that they perform almost four times greater than required by the relevant Australian standard. Our large single fixings have been trusted throughout Australia and overseas for over 20 years.

Single Fixing strength tests

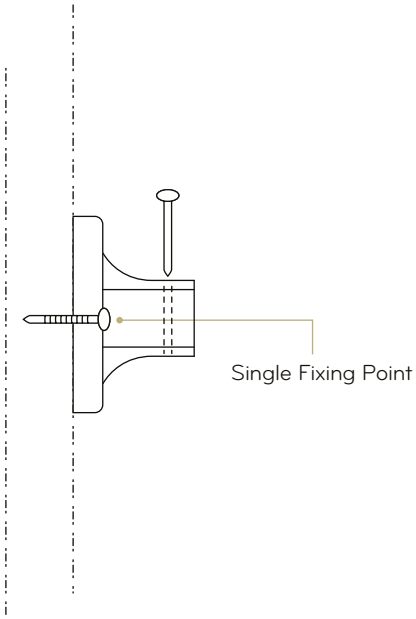
Fixing to timber

Testing of screws was conducted in accordance with AS 3566.1 – Self drilling screws for the building and construction industries.

The framing timber used in the test was F5 (MGP10) in accordance with the standard.

Grabrails are required to withstand a load of 1,100 Newtons (N) (approx 110 kg)

The average results of tests carried out showed that the screws withstood between 4,070N (approx 400 kg) and 4,300N (approx 430 kg).



Fixing to steel studs

Test results show the following pull out loads Using Hex Head Ti Teks 12-14:

- 0.6mm steel 900N (90 kg)
- 0.8mm steel 1,300N (130 kg)
- 1.0mm steel 1,700N (170 kg)
- 1.2mm steel 2,000N (200 kg)

Competitor Versus Canterbury Concepts Fixing

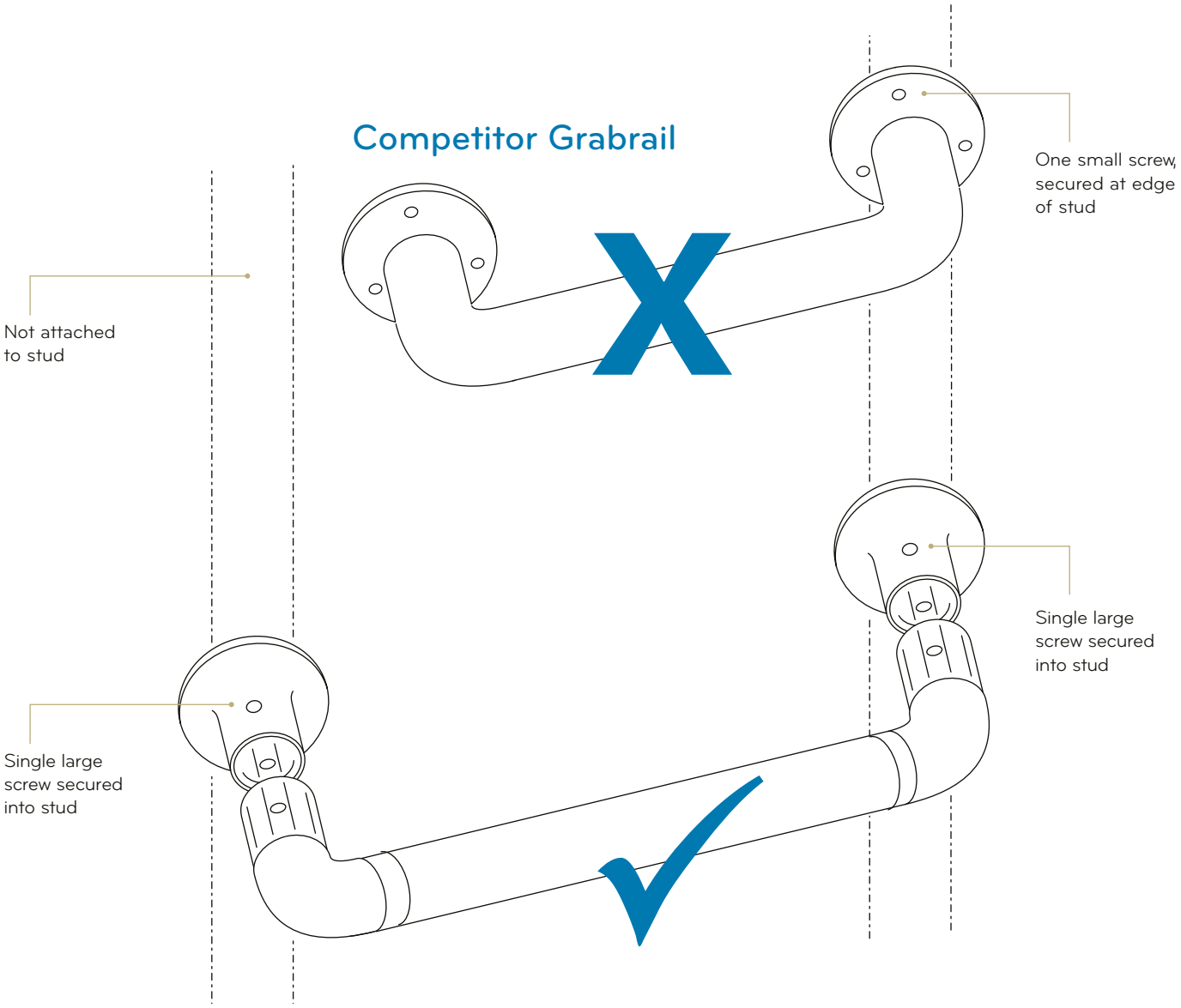
The large single fixing optimises strength and stability because it grips firmly into the centre of the stud.

Grab rails were designed to give aid to those who were at risk of slipping or falling, by giving them a safe and secure hand hold. To enable a strong and reliable handhold the grabrail needs to be securely fastened to the wall. To do this it is critical the fastening is located in the structural part of the wall, which is typically the timber stud located behind the plasterboard.

However, wall studs, which are positioned when the home is constructed, are rarely, if ever, where you need them to be.

The ingenuity of Canterbury Concepts grabrails is that they are modular and designed to be cut to the required length to suit the distance between the studs. This ensures the large fixing screws can be fastened into the centre of the stud to maximise strength and optimise safety, rather than just through the weaker plasterboard.

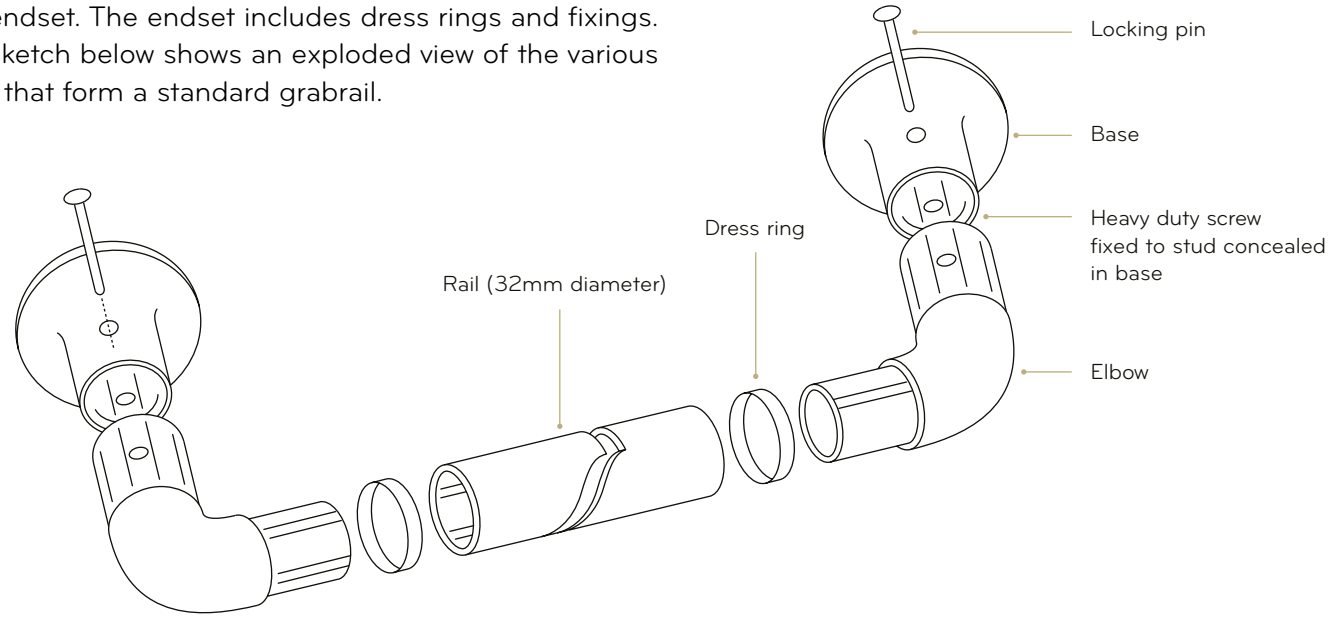
Canterbury Concepts studreach grabrails. The original, safe and strong since 1989.



How Our Grabrails Work

Canterbury Concepts grabrails are comprised of two main parts: the rails and the components.

For demonstration here, a standard grabrail is comprised of one powder coated aluminium tube and one endset. The endset includes dress rings and fixings. The sketch below shows an exploded view of the various parts that form a standard grabrail.



Rails

Canterbury concepts rails are manufactured from 32mm aluminium, and are extruded from our own design and specifications, and include a ribbed design to prevent twisting of the rail in the user's hand.

We chose to manufacture the rails from aluminium because of it's strength and durability, as well as its ability to be easily cut. This allows for rails to be individually cut to the required length to ensure fixing is into the structural timber studs.

Our rails are powder coated with our own finishes to maximise grip and optimise safety.

Components

Canterbury Concepts components are manufactured from fibreglass reinforced nylon, from our own design and specifications. After exhaustive research and testing it was found that the addition of glass fibre to nylon leads to very significant increases in strength, rigidity, heat distortion temperatures, abrasion resistance and dimensional stability.

There is a vast array of components in the Canterbury Concepts range, including a wide selection of bases, elbows, brackets and fixings to create any rail configuration required.

Our endsets are fastened to the wall with a single heavy duty screw fixed into the wall stud, which is smartly concealed in the base. Research and testing found that a single large fixing into the stud at both ends was the superior way to ensure a strong and secure grabrail.

Rails

Canterbury concept's rails are manufactured from 32mm aluminium, and are extruded from our own design and specifications, and include a ribbed design to prevent twisting of the rail in the user's hand.

All of our rails are slip resistant to maximise grip and optimise safety and are available in our own textured or ripple finish.

Note all rails are finished to ensure maximum grip, in wet or dry conditions.

FUT (Ripple Finish)

FUT300	300mm
FUT450	450mm
FUT600	600mm
FUT900	900mm
FUT1200	1200mm
FUT1500	1500mm
FUT3000*	3000mm

CBlue (Textured Finish)

CBlue	1500mm, 600mm

The Canterbury Concepts CBlue grabrail has been developed in consultation with Occupational Therapists and Health Professionals to **assist people with dementia, elderly people, and vision impaired** to remain safe.

The contrasting colour and slip resistant finish assists people to identify and use the grabrail more easily.

GRO (Textured Finish)

GRO300	300mm
GRO450	450mm
GRO600	600mm
GRO900	900mm
GRO1200	1200mm
GRO1500	1500mm
GRO3000*	3000mm

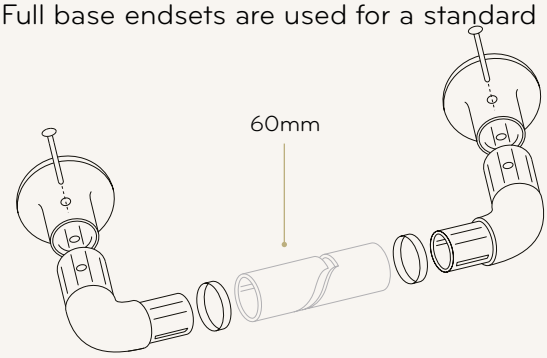
***Due to length, 3000mm rails attract significantly higher freight charges.**

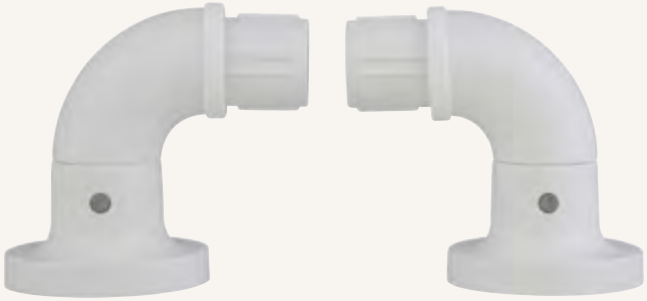
Standard Grabrails: Endsets

An endset is used to fix a grabrail to the wall. An endset is made up of a pair of wall flanges (bases) and elbows, and includes fixings. Different endsets are used depending on the application. This ensures the bases are able to be fixed into the centre of the stud for maximum strength.

GR01 (Full Base Endset)

Full base endsets are used for a standard rail configuration on an open wall to allow fixing to studs.

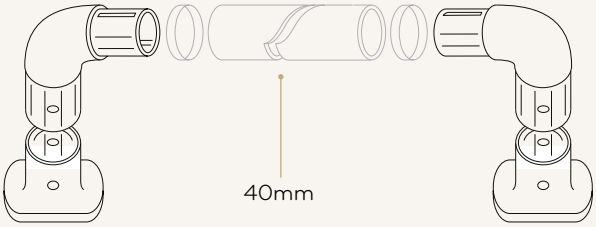




Available in Textured Smooth Textured Smooth Textured

GR01SL (Slimline* Endset)

Slimline endsets are used for architrave mounting.



Available in Textured Smooth Textured Smooth Textured

*Slimeline base Fixing Holes

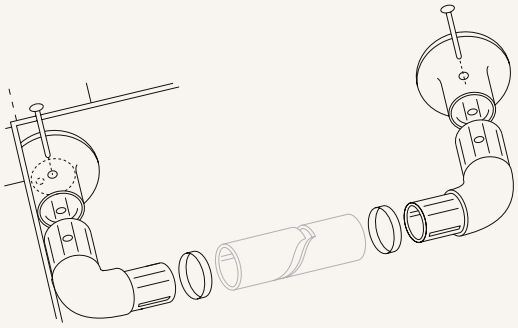
Fixing holes have been omitted from the slimline base so that correct fixing position - central or offset - can be selected on site and the appropriate hole made by the installer.

The decision to omit the holes was made after reviewing the width of achitrave, thickness of frame and positioning of framing stud in a number of situations. The result was about 50% for centre fixing, therefore use a 6mm drill to make your own holes. Screws and washers for both applications are included.

Standard Grabrails: Endsets

GR0C (Corner Endset)

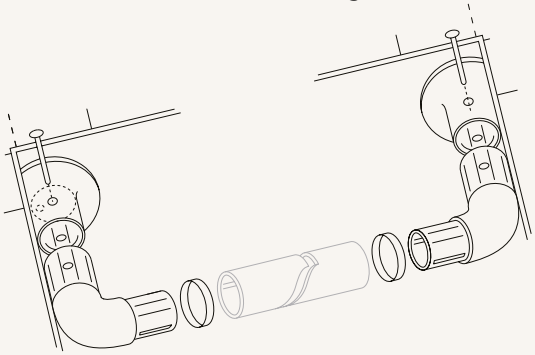
Corner endsets are used for mounting when the rail runs into a corner.

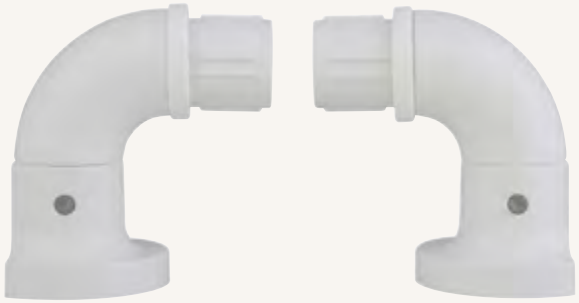


Available in Textured Smooth Textured Smooth Textured

GR0C2 (Corner Endset)

Corner endsets for mounting when both ends of the rail are in corners.

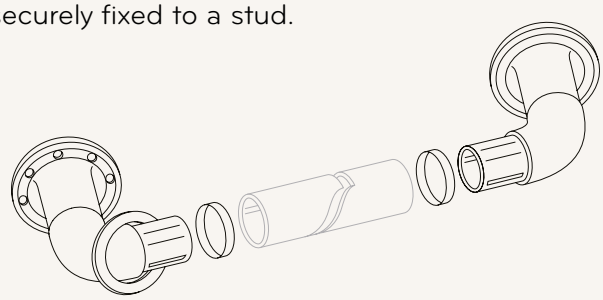




Available in Textured Smooth Textured Smooth Textured

MP (Multipoint Endset)

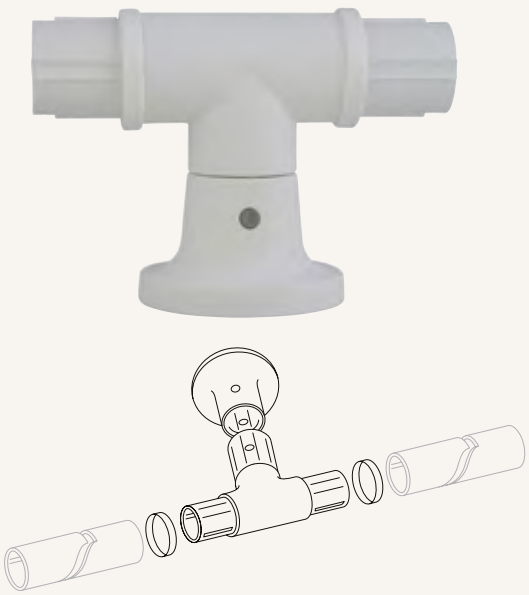
Multipoint endsets have 7 fixing holes, allowing the rail to be installed at almost any angle and still be securely fixed to a stud.



Available in Textured Textured

Modular Grabrails: 2-way Connectors

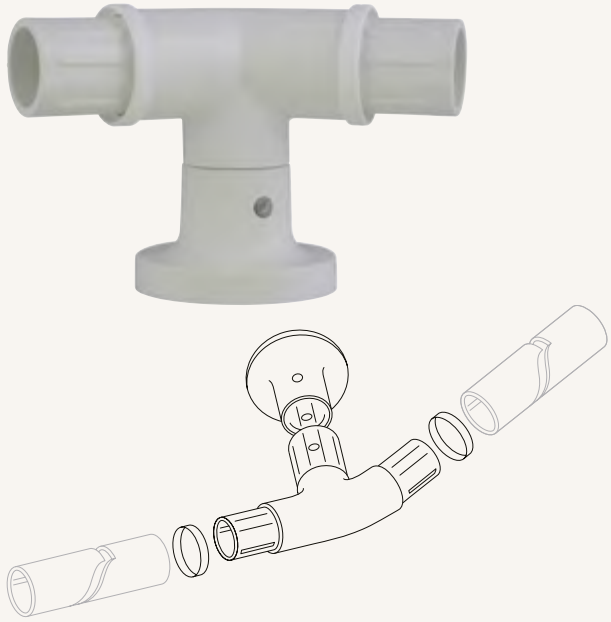
GR02 ('T' Piece)



Available in:

Textured Smooth Textured Smooth
Textured

GR02/30 (Two Way Fitting 30° Bend)
GR02/45 (Two Way Fitting 45° Bend)



Available in:

Textured Smooth Textured Smooth

GR02/90 (2-Way Fitting 90° bend)

Available in:

Textured Smooth Textured Smooth

GR0CD (Internal Corner Connector)

Two way internal corner fitting that is used to install rails into an internal corner.

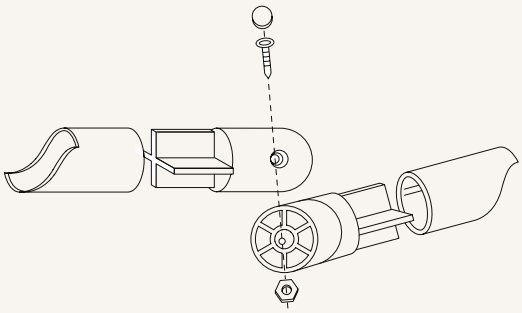
Available in:

Textured Smooth Textured Smooth

Modular Grabrails: 2-way Connectors

ATC (Adjustable Tube Connector)

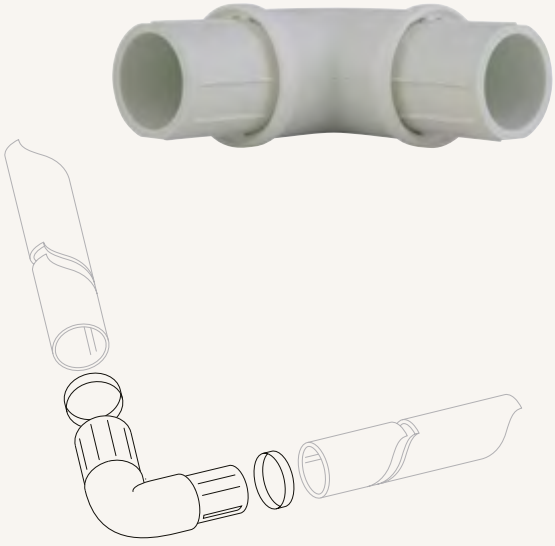
These connecting pieces work on the same principle as the beach umbrella and allow rails to be connected at angles up to 45°, up or down.



Available in ☐ Textured ■ Textured

E90 (90° Bend)

Use an E90 connector in conjunction with a large wall bracket (WBL) to go around corners.

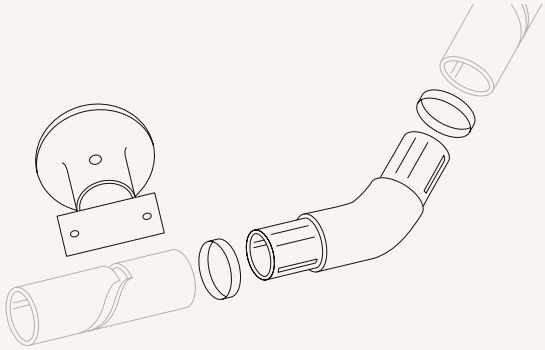


Available in ☐ Textured ■ Textured

E30 and WBL (30° Bend)
E45 and WBL (45° Bend)

Allows for 270° hand travel required by Australian Standards:

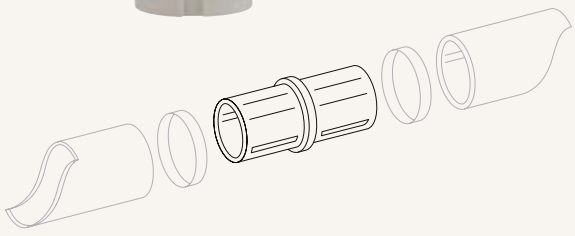
- Supplied with WBL.
- Supplied with modified dress rings to allow the cup of the bracket to be located anywhere beneath the bend of the rail. This means the bracket can be fixed at a secure support.



Available in ☐ Textured ■ Textured

TC (Tube Connector)

Tube connector, connects two rails together in a straight line for a longer continuous run of rail.

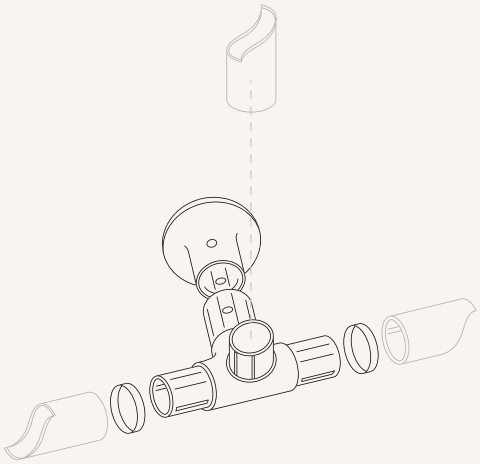


Available in ☐ Textured ■ Textured

Modular Grabrails: 3-Way and 4-Way connectors

GR03W (3-Way Connector)

Use a GR03W to connect a vertical rail to a horizontal rail often used for the mounting of a shower slide (SS) and shower handset.

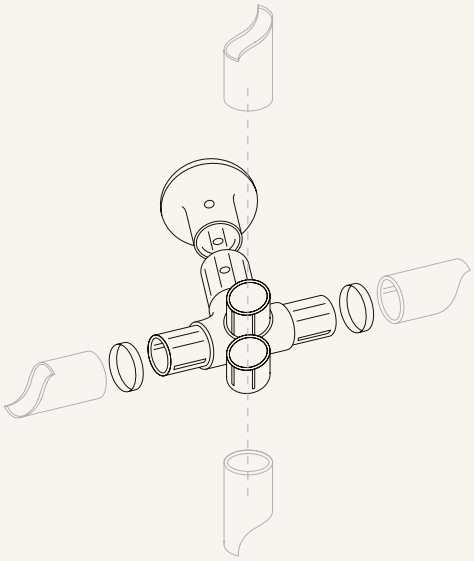


Available in:

☐ Textured ☐ Smooth ■ Textured ■ Smooth

GR04W (4-Way Connector)

Use a GR04W to connect vertical rails to horizontal rails, creating a 4 way intersection of rails.



Available in ☐ Textured ■ Textured

Brackets

WBL (Large Wall Bracket)

Allows for 270° hand travel per the Australian Standards.

Support for studreach grabrails longer than 1000mm (install at intermediate stud). This means that all spans shall be less than 1000mm. For more complex situations it is recommended you contact us for advice

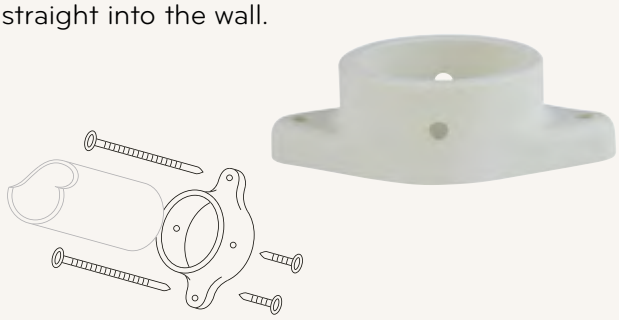
Use a WBL to support a cantilevered rail – maximum length of cantilever 200mm. Use WBLs to support long lengths of grabrail in a corridor.

Available in:

Textured Smooth Textured Smooth Textured

SER (Small End Ring)

Small end ring supports a rail that butts straight into the wall.



Available in Textured Textured

CR (Connector Ring)

Connects pipe bend to rail for added lateral support. Also used to connect rails to each other at 90° for support.

Available in Textured Textured

PB (Pipe Bend)

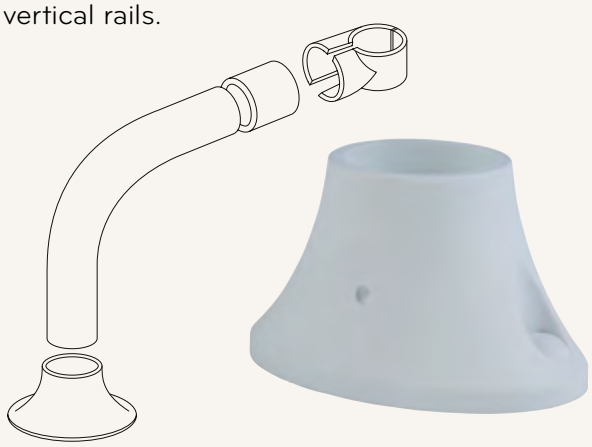
Pipe bend used to give extra lateral support to vertical rails.

Available in Ripple Ripple

LER (Large End Ring)

Finish a rail at 90° to wall or floor.

The LER can be used for rails extending from floor to ceiling, or with pipe bend (PB) and connecting (CR) for added lateral support to vertical rails.

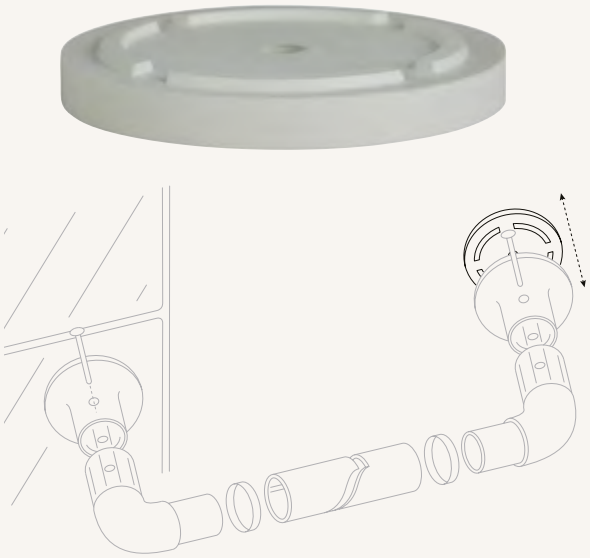


Available in Textured Textured

Accessories

BR (Base Ring)

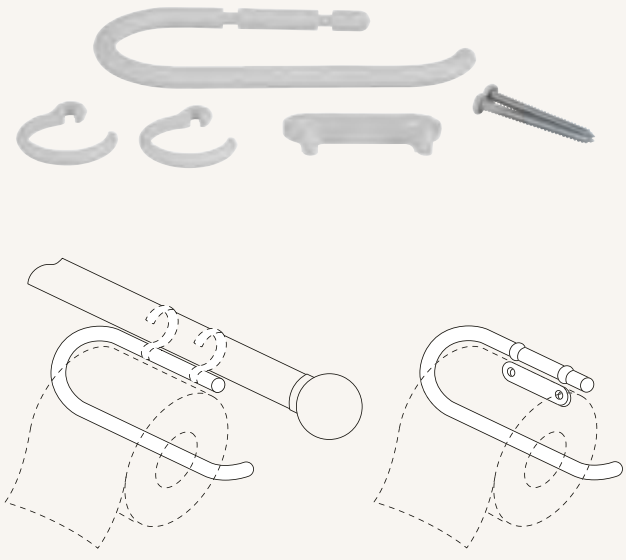
Use the base ring as a packer for tiled and unlevel surfaces (7mm).



Available in ☐ Textured ☐ Textured

TRH (Toilet Roll Holder)

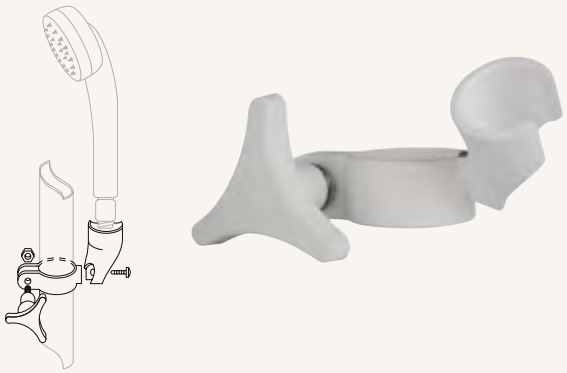
Toilet roll holder fixes to a grabrail or to a wall (both fixings are supplied).



Available in ☐ Textured ☐ Textured

SS (Shower Slide)

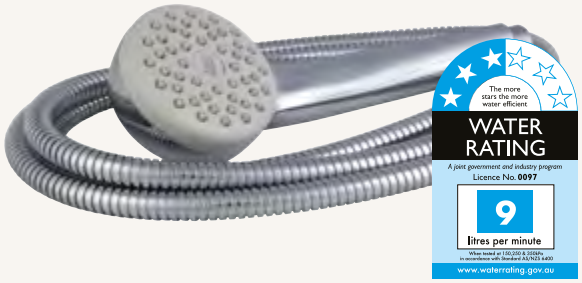
Cradles a handset and hose, attaches to a vertical grabrail, and is adjustable to allow travel up and down the rail.



Available in ☐ Textured ☐ Textured ☐ Textured

HH (Handset and Hose)

Chrome plated with 2 metre interlocking metal hose - suits all water pressures.



HRHH (Hospital Range Handset and Hose)

Cradled on pin at water outlet - no drilling required. Comes with additional bracket. Suits all water pressures

Accessories

PEB (Plug End Ball)

Plug end ball to finish a cantilevered rail.
50mm diameter

Available in Textured Textured

PE (Plug End)

Plug end cap to finish a cantilevered rail.

Available in Textured Textured