

Ezirail®

The Continuous Timber Handrail System

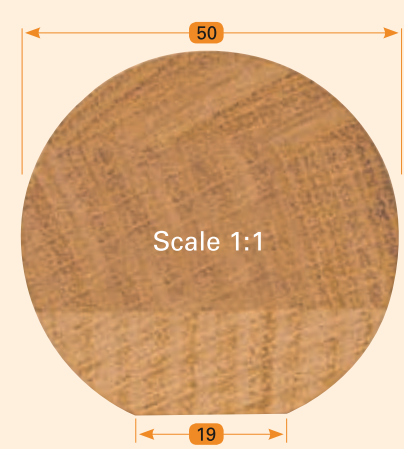
Make the job easy; specify the Hammersmith EZIRAIL®



Choose from a stock selection of 50mm & 40mm diameter straight rails & various angled bends to create the "perfect" continuous handrail to suit almost any application, including commercial, domestic and aged care.

- All bends are precision machined and sanded, with ends pre-drilled ready for quick on-site assembly.
- Conforms to AS1428.1-2001 "Design for access and mobility"
- Available ex-stock Pine & Tas Oak/Vic Ash; Special order in other timbers.

Ezirail® 50



JH102 Rail (Random Length) 50 Diameter



JH105 37° Bend 111 Internal Radius



JH108 45° Bend 111 Internal Radius



JH106 End Cap 50 Diameter

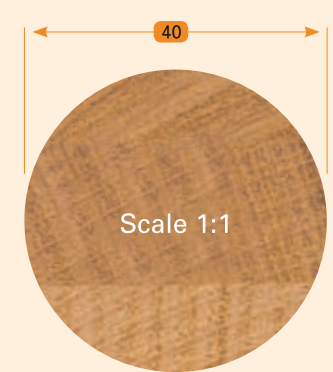


JH104 90° Bend 55 Internal Radius



JH103 90° Bend 111 Internal Radius

Ezirail® 40



JH125 Rail (Random Length) 40 Diameter



JH109 90° Bend 60 Internal Radius



JH120 End Cap 40 Diameter

Available ex-stock in Pine & Tas Oak/Vic Ash. Other timbers manufactured against order.

Ezirail® Fitting Components

IF450 85mm Budget Bracket
IF451 65mm Budget Bracket
Bracket available only in Satin Chrome.

IF448 Standard Bracket
Bracket available in Satin Chrome, Gold, Chrome and Bronze Florentine.

IF500 Heavy Duty Bracket
Bracket available in Satin Chrome (internal use only) and 316 Stainless Steel (suitable for external use)

IF446 Deluxe Bracket
Bracket available in Satin Chrome, Gold, Chrome and Bronze Florentine.

IF121 Ezirail50 Drilling Jig Kit
Kit Includes • 50mm ID Boring Jig
• 16mm Drill Bit & Collar

IF140 Ezirail40 Drilling Jig Kit
Kit Includes • 40mm ID Boring Jig
• 16mm Drill Bit & Collar

JR002 Wall Rosette
Available in Pine, Tas Oak/Vic Ash, Meranti, Jarrah and Kwila.

ID115 Joining Dowel 16 x 60



EZIRAIL and the Australian Standard

One of the main uses of the EZIRAIL50 and EZIRAIL40 range of components is in aged care facilities.

Under Australian Standard AS1428.1-2001 Design for access and mobility, continuous handrail is required to be used in all passageways. (See picture 1)

The standard also requires the following;

- The rail must be predominantly round and between 30mm and 50mm in diameter.
- The minimum clearance between the wall and the edge of the handrail must be at least 50mm. (See picture 2)
- When a break in the continuous rail is required (eg a doorway), the rail must either be returned to the wall (see picture 4) or turned downwards through an angle of 180 °s (see picture 5).

Note: The end cap (see picture 3) **can't** be used where the Australian Standard AS1428.1-2001 has to be met.

When combined with our brackets, the EZIRAIL range of components should allow you to comply with the standard.

Should you require some more specific information please contact Standards Australia (www.standards.com.au).

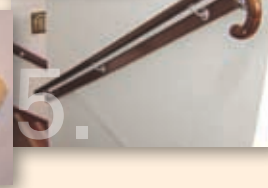
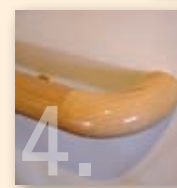
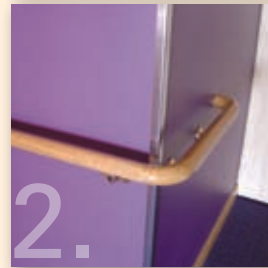
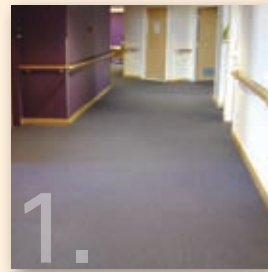
How does the drilling jig kit work?

The drilling jig kit has been specifically designed to allow the easy fitting of the bends or cap to the end of rails.

The fitting process can be done in 3 easy steps

- Cut the rail to the length you desire and slide the metal sleeve over the end. Use the thumb screw to tighten the fit if necessary. (See picture 6)
- Fasten the 16mm drill bit into your drill and then insert it into the guide hole in the other end of the metal sleeve. We suggest that you also fasten the collar to the drill bit so that you can get an accurate hole depth of 32mm. (See picture 7)
- Remove the metal sleeve off the end of the rail and you should now find that you have a hole in the centre of the rail, to which you can join one of our bends (with the use of our 16mm x 60mm multi-groove joining dowel) or end cap. (See picture 8)

Note: The drilling jig has been manufactured to fit our rail exactly. The jig may not fit over rail from other suppliers.



Which bend do I use?

The EZIRAIL50 range has 4 different bends available; 37°, 45°, 90° wide radius (111mm) and 90° tight radius (55mm).

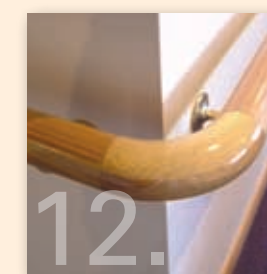
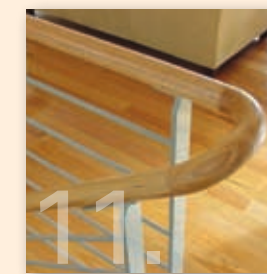
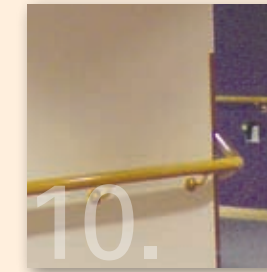
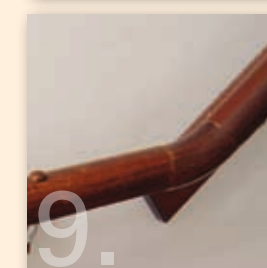
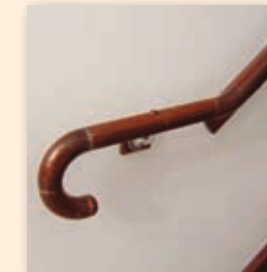
The EZIRAIL40 range has 1 bend available; 90° (60mm radius).

One of the most common questions we get asked is; "which bend do I use?". Although there is not always a definitive answer to this question, we have listed below the most typical scenarios where each bend can be used.

- 37° (JH105) – Most domestic staircases are pitched at 37°, which means that this bend will allow you to run a continuous rail from the horizontal level to a 37° pitch. (See picture 9)
- 45° (JH108) – To improve line of sight many hospitals and aged care facilities are designing their passageways with 45° turns rather than 90° turns. (See picture 10)
- 90° wide radius (JH103) – This bend has a much nicer feel to the hand than the tight radius 90° (JH104) and should be used in all situations where your handrail is making a 90° turn and does not need to comply to Australian Standard AS1428.1-2001 Design for access and mobility. (See picture 11)
- 90° tight radius (JH104 50Ø & JH109 40Ø) – Designed specifically to be used in aged care facilities so as to comply with Australian Standard AS1428.1-2001 Design for access and mobility. When turning a 90° corner these bends will maintain the minimum 50mm clearance from the wall (when used with our brackets) that is required under the standard. (See picture 12) They can also be used to return the rail to the wall with the specified radiuses (55mm JH104 & 60mm JH109) allowing for a flush finish, which means no trimming or rework is required. (See picture 4)

Note: Timber is a natural material, and whilst every attention to detail has been made in the manufacturing of these products, minor variations can occur. These variations may require hand finishing the joint between the rail and bend.

For information on installation times we recommend that you contact us.



Brackets

We offer 4 different brackets to fit the rail to the wall.

Please take the time to read the features of each bracket listed below so as to establish the bracket which will best suit your needs.

IF449 Standard Bracket (See figure 13 & 14)

- For use with EZIRAIL50 and EZIRAIL40.
- Ease of fix with the top 2 holes in the back plate being 25mm apart, which means that all 3 holes will pick up the stud work on a hollow core wall.
- Tested to comply with Australian Standard AS1428.1-2001
- Available in 4 colours; Satin Chrome, Gold, Chrome and Bronze Florentine.
- Made in Australia

IF446 Deluxe Bracket (See figure 15 & 16)

- For use with EZIRAIL50 and EZIRAIL40.
- Unique fixing method (see diagram) which on large jobs will significantly reduce the installation time.
- Easily removable if you need to paint the wall.
- Concealed wall fixing.
- Tested to comply with Australian Standard AS1428.1-2001.
- Available in 4 colours; Satin Chrome, Gold, Chrome and Bronze Florentine.
- Made in Australia

IF500 Heavy Duty Bracket (See figure 17 & 18)

- For use with EZIRAIL50 only.
- Easy to fix to any wall, whether hollow core or solid brick. Fixings are supplied for both options.
- Concealed wall fixing.
- Stylish modern design.
- Available in Satin Chrome finish (Internal use only) and 316 Stainless Steel (External and internal use).
- Supplied unassembled (comprised of fixing screw, stem, wall plate, rail plate).

IF450 85mm / IF451 65mm Budget Bracket (See figure 19 & 20)

- For use with EZIRAIL50 only.
- Easy single fixing large screw for use on timber or brick walls (with correct plug)
- Most economically priced of the 4 brackets
- If a more secure fixing is required, the 65mm bracket can be combined with a 20mm thick wall rosette (JR002, see back of brochure).
- Only available in Satin Chrome finish.

Note: We recommend that the bracket spacing for the EZIRAIL50 should be no more than 1200mm and for the EZIRAIL40 no more than 900mm.

