OUTBACK SLEEPERS

# Outback Sleepers

## Concrete Sleeper Specialists for Retaining Walls

# Outback Sleepers

### Our Experience Shows

We have been making concrete sleepers for over 20 years and have manufactured over 3 million of them. No wonder we are so good at what we do.

### A Product For Every Project

It does not matter what type of retaining wall you need. We promise to have a style that will suit your landscape project and help bring beauty and value to your home.

### Superior Strength Concrete

The stronger the concrete, the more durable your retaining wall. We have decades of experience.

### Exceptional Sales Service

When it comes to helping you with your landscaping project, we know our products inside and out. So for friendly advice and fast order turn around – call us today.

## Your Local Specialists for Concrete Sleepers.

### Strength and durability are our absolute priority.

The construction of one or more retaining walls will be an essential part of a new home or garden landscape. It is often one of the first projects undertaken and one of the costliest and hardest to fix if not done correctly the first time. For this reason, your retaining wall must last as long as possible.

Concrete Sleepers are the perfect retaining wall building material. The strength of concrete allows you to build higher walls, and they will never rot or be affected by pests. These characteristics make them the ideal zero maintenance solution.

Concrete Sleeper retaining walls are easy to install and perfect for levelling sloped land, minimising erosion, creating feature garden walls or simply building several veggie patches.

## Add Value, Space and Style to your Garden.

# Strongest on the market

## Our Sleepers.

### What Makes Our Concrete Sleepers Better Than The Rest?

We believe in quality manufacturing at every stage. Outback Sleepers (OS) recognised from the beginning the importance of continually improving to ensure our products match the requirements of home builders and landscapers (in Australia).

Our modern manufacturing techniques allow us to provide customers with sleepers that use industry-leading **60MPa** concrete. They easily surpass the Australian standard and the strength of our competitors' products, **making them the strongest retaining wall concrete sleepers on the market.**

We use the latest manufacturing technology and continuously improve our methods, allowing us to provide customers with sleepers of the highest quality.

Our sleepers are certified by a **Structural Engineer** to have a **50-year lifespan**, ensuring that they will be the only ones you'll ever need.

So when it comes to building a retaining wall **don't take chances on the quality of your concrete sleepers** – it could end up being a very costly mistake. Talk to one of our helpful sales staff and let us add distinction to your landscape design.

PRODUCT 20 Year WARRANTY

CONCRETE 60 MPa STRENGTH

**Reinforcing Bars**

All our sleepers have 2 x N10 Reinforcement bars throughout the sleepers.

*Cribs have 1 x N10 Reinforcement bar

**50 Year Product Lifespan**

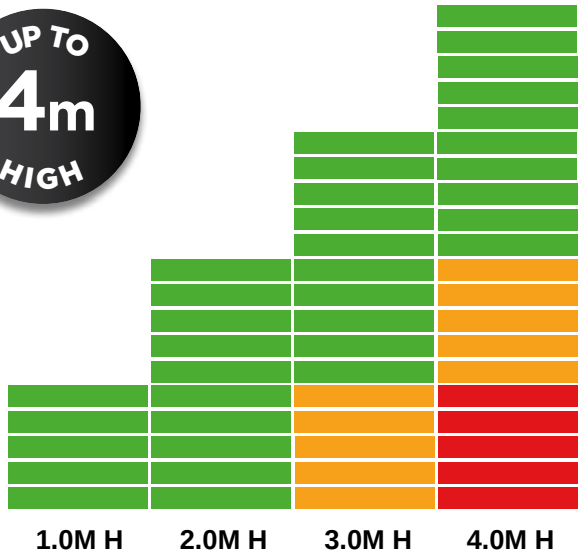
We manufacture our sleepers to the Australian standard AS3600/2018, which means that our sleepers are designed for a 50-year product lifespan.

**Exceptional Strength**

Industry leading concrete strength of 60MPa.

*50% stronger than 40MPa concrete (based on equivalent dimensions).

UP TO 4m HIGH




**2m Sleepers:**

- **Standard (STD)** 2m x 200mm x 75mm
- **Heavy Duty (HD)** 2m x 200mm x 100mm
- **Extra Heavy Duty (EHD)** 2m x 200mm x 120mm

# Quality Assured

## There's A Product For Every Project.

Our business was initially established to cater to the growing market for retaining walls in Adelaide, beginning with the idea of adding colours and patterns to concrete sleepers. The aim was to create a modern and desirable sleeper to help people with their building and landscaping projects.

OS offer a wide range of colours and designs, giving you complete creative freedom. From the classic 'Cove' to our flagship 'Kensington' sleeper, we will have a style that suits your landscape and will bring beauty and value to your home.

## Exceptional Service. Fast Order Turnaround.

Outback Sleepers proudly manufacture all our products at our Lonsdale factory with the state-of-the-art facility providing consistent high quality products.

We pride ourselves on having extensive production capabilities, which allows us to provide a quick turnaround time from date of order to delivery. We will help ensure your landscaping project remains on schedule.

Our friendly staff are only a call away to discuss your design requirements and provide expert advice. We can organise the delivery of concrete sleepers as well as all the retaining wall steel required to finish your project perfectly.

## Our Quality Separates Us from the Competition.

# Our Products
## Concrete Sleepers

REINFORCEMENT 2x N10 BARS*

### 2m Sleepers.

**Standard (STD) 2m**
- 2000 x 200mm x 75mm
- Build up to 2m high

**Heavy Duty (HD) 2m**
- 2000 x 200mm x 100mm
- Build up to 3m high

**Extra Heavy Duty (EHD) 2m**
- 2000 x 200mm x 120mm
- Build up to 4m high

### 2.4m Sleepers.

**Standard (STD) 2.4m**
- 2400 x 200mm x 80mm
- Build up to 1.6m high

**Heavy Duty (HD) 2.4m**
- 2400 x 200mm x 100mm
- Build up to 2.4m high

**Extra Heavy Duty (EHD) 2.4m**
- 2400 x 200mm x 130mm
- Build up to 4m high

### Cribs.

**2m Crib**
- 2000 x 100mm x 100mm
- 1 x N10 Reinforcement Bars

**2.4m Crib**
- 2400 x 100mm x 100mm
- 1 x N10 Reinforcement Bars

Please note: 2m & 2.4m Cribs are not an engineered product and are not suitable for use at the base of the retaining wall. Placement is recommended at the top of the wall only.

**Available in Lonsdale™ and Blackwood™ only:**

### 1.5m Sleepers.

**Standard (STD) 1.5m**
- 1500 x 200mm x 75mm
- Build up to 2.6m high

**Heavy Duty (HD) 1.5m**
- 1500 x 200mm x 100mm
- Build up to 4m high

### 1.8m Sleepers.

**Standard (STD) 1.8m**
- 1800 x 200mm x 75mm
- Build up to 2m high

**Heavy Duty (HD) 1.8m**
- 1800 x 200mm x 100mm
- Build up to 3.8m high

### 2.35m Sleepers.

**Standard (STD) 2.35m**
- 2350 x 200mm x 80mm
- Build up to 1.6m high

**Heavy Duty (HD) 2.35m**
- 2350 x 200mm x 100mm
- Build up to 2.4m high

Actual sleeper product colours may vary to images in this brochure.

Actual sleeper product colours may vary to images in this brochure.

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# Our Products
## Under Fence Plinth & Wheel Stops

### Prolong the Life of Your Fence. Gain Privacy. Fill the Gap.

If you are installing a fence, then our Under Fence Plinths (UFPs) can improve both the fence's appearance and durability. UFPs prolong the life of your fence by preventing the fence panel from sitting in the dirt and rusting. UFPs also fill the gap underneath boundary fences and provide extra privacy for your property.

Our Under Fence Plinths are **designed** and **engineered** to be used for a maximum height of 400mm (or two UFPs high).
We stress that UFPs are not designed or suitable for retaining purposes – they are specifically made to prolong the life of your fence, fill the gap underneath fences and provide extra privacy (gain extra height).

### Under Fence Plinth

- 2340 x 200 x 50mm **UFP STD**
- 2340 x 100 x 50mm **UFP STD CRIB**
- 2355 x 200 x 65-50mm **UFP HD**
- 2355 x 100 x 65-50mm **UFP HD CRIB**

## Wheel Stops.

- 1650 (L) x 100 (H) x 150 (W)mm
- Complies to Aus Standard AS2890.1:2004
- Manufactured with 60 MPa Concrete Strength
- 2 x N10 Reinforcing Bars.

Fixtures Sold Separately

# Our Products
## Step Kits

## Step Kits for Retaining Walls.

Our Concrete Step Kits are the perfect way to finish off your retaining wall and improve its functionality with easy access to different levels in your garden. They are produced as a kit and come in size options of 2m and 2.4m width to ensure they will match your landscape project requirements.

We produce our steps kits to match all of our concrete sleepers: Kensington, Ashwood, McLaren, Cove, Blackwood and Lonsdale; allowing you to perfectly finish off your retaining wall with steps that will not only match but have the same level of quality and strength.

One layer is 200mm high, this includes 2 x sides, 2 x treads and a crib (the crib will match the pattern of the sleeper), they are the same height as a sleeper and same colours that the sleepers are available in (Grey, Charcoal and Sandstone).

They are available as a kit that starts at 1 step high (200mm high) up to 6 steps high (1.2m high).

If you need your Step Kit to go higher than 6 layers then combine your Step Kit with our Landing Plate Kit add-on which enables you to seamlessly build your Step Kit to as many layers as you desire.

### Step Kit includes per layer:

2 x Sides, 2 x Treads, 1 x Crib,
2 x Plates and 4 x Pins.

**Side:** 2000 x 200mm x 100mm

**Tread:** 2000 x 200mm x 100mm
2400 x 200mm x 100mm

**Crib:** 2000 x 100mm x 100mm
2400 x 100mm x 100mm

Please note: Chemical Anchor sold separately.

# Our Products
## Accessories

### Steel Posts for Retaining Walls.

Get your retaining wall steel delivered with your sleepers and save time and money. We don't charge extra for delivering your steel.

**Minimum Steel Sizes:**

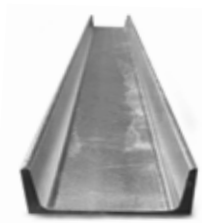
**I / H Beam:** 120 UB 65 150 UB 14

**C Channel:** 125 x 65 150 x 75

*Please note that we don't recommend 100 x 45 Steel for our products.

**Galvanised.**

I/H Beam



C Channel

### Fence Brackets.

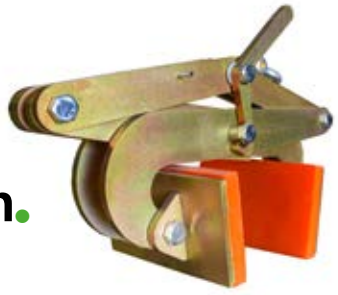
**Bracket for Steel Fence:**

700 x 48 x 5mm

**Bracket for Timber Fence:**

700 x 70 x 8mm

### Sleeper Lifters for Easy Installation.



### Ag Pipe for drainage.

**Slotted Sock:**
100mm x 20m

# Caring for your Sleepers

## Maintenance:

### Keep your sleepers looking at their best:

- **DO** follow the installation guides in our Product Guide on how to build your retaining wall.
- **DO** use plastic (Forticon) behind the sleepers before backfilling the wall.
- **DO** use an Agi drain at the base of the wall to allow drainage.
- **DO NOT** scrub the face of the sleepers to remove dirt or stains; **Use light pressure from a garden hose to soften the dirt or stain and remove by hand** (if possible).
- **DO NOT** use a pressure hose or any chemical solutions to clean the sleepers / UFP's.
- **DO NOT** subject the concrete sleepers / UFP's to excessive water hitting the face from a sprinkler system.

Hairline cracks can be prevalent in all concrete products however, they rarely affect the structural integrity of our concrete sleepers. Please contact our friendly staff if you have any queries regarding hairline cracks in your concrete sleepers.

## Lime Bloom:

### What is Lime Bloom & Lime Stain?

All pre-cast concrete products are susceptible to Lime Bloom which can appear on your concrete sleepers as thin white patches. Lime Bloom is temporary and typically disappears as a result of normal weathering. People can often mistake Lime Bloom as a defect in the product or poor-quality product colour control, but this is not the case. Lime Bloom is not detrimental in any way to the structural integrity of the concrete sleeper and is purely an aesthetic issue only.

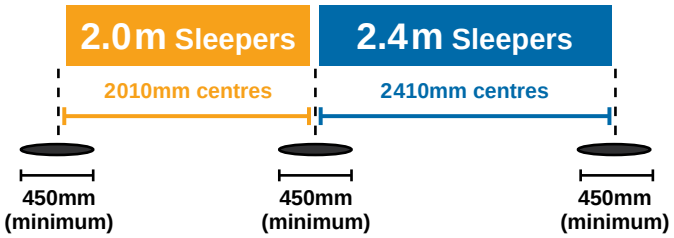
**For more information and to view the full Product Care Guide:**

# Installation Guide
## Concrete Sleepers

CONCRETE 60 MPa STRENGTH

## 1. Hole centre.

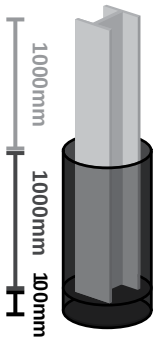
- Set pegs at each end of the retaining wall site and connect with a string line to give the required alignment.
- Holes should be dug at 2010mm centres for 2.0m sleepers and 2410mm for 2.4m sleepers (Note: a similar allowance of 10mm can be used for other lengths).
- Hole diameter must be at least 450mm for a one metre high retaining wall. **To be confirmed by a qualified engineer.**




## 2. Post holes.

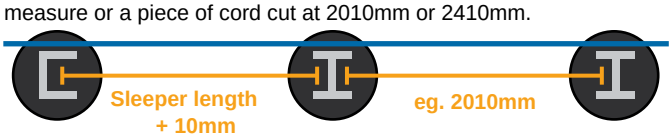
- For a one metre wall, the post holes must be dug 1100mm deep.
- After ensuring that the post tops are the same height, place steel in the hole and concrete.

Note: DO NOT OVERFILL HOLES.
**For all walls over 1m pier depth to be confirmed by a qualified engineer.**




## 3. String line.

- With the string line still in place, check the alignment of all posts with a spirit level.
- Re-check distances between posts. This can be done with a tape measure or a piece of cord cut at 2010mm or 2410mm.

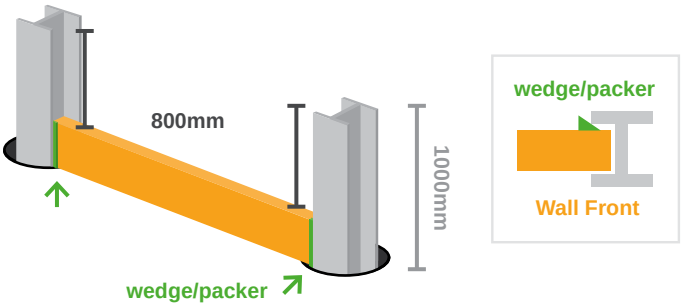



Please check with your local council before constructing any retaining wall as council approval and Engineering advice may be required.

## 4. Sleepers.

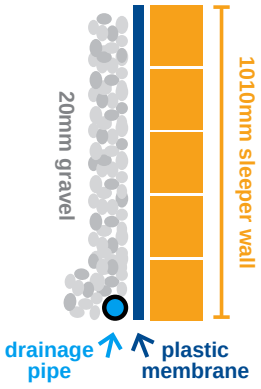
- Ensure concrete has cured overnight.
- Place first sleeper between posts, then proceed to check the measurement from the top of the sleeper to the top of each post.
- Ensure that the face of the sleeper (smooth or patterned face) is positioned at the front of the steel posts i.e. the back of the sleeper (rougher side) will take the backfill.
- Use fibro-cement sheeting for packaging under the bottom of the sleeper to adjust height, then install the rest of the sleepers.
- Check the measurements from the top of the post to sleeper as you go.

**Note wedge/packers:** It's good practice to make wedges from scrap timber to ensure sleepers are held against the front of the post.




## 5. Drainage.

- Once sleepers have been installed, place a plastic membrane (Forticon) behind the wall and AG pipe or strip drain at bottom (back) of the wall. (See diagram)
- Cover the pipe with 20mm gravel for drainage.




**Note:** Please ensure that during installation no equipment is to be driven over the backfill within 75% of the wall height. Compaction, if any, within this area should be with non-vibrating hand equipment, weighing no more than 500kg per square metre of footprint. If greater compaction is required, please obtain engineering advice. Wall designs shown are for 'typical' soil conditions. For walls over 1 metre, you should seek independent engineering advice based on your specific site conditions.

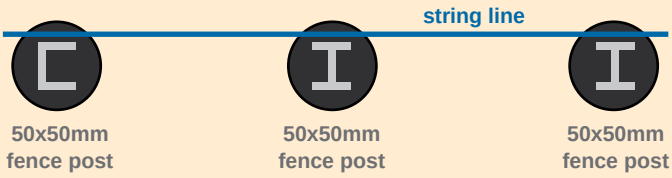
# Installation Guide
## Under Fence Plinth

CONCRETE 60 MPa STRENGTH

- Retain the life of your fence and fill the gap underneath your ‘Panel Fence’ or ‘Post and Rail Fence’ by using an UFP from *Outback Sleepers Australia.*
- Prolong the life of the fence by preventing the steel (or other material) from sitting on the dirt and rusting.
- The UFP’s available from *Outback Sleepers Australia* are designed to fit into a 50 x 50mm fence post.

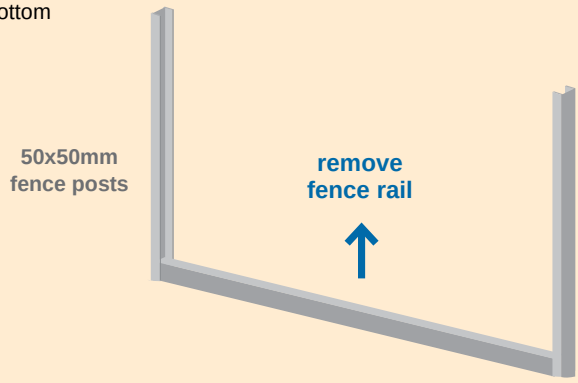
## 1. Fence Posts.

- Install your fence posts as specified by the Fence panel manufacturer. **Note:** *Outback Sleepers Australia* recommends that the posts be extended and the hole dug a further 300mm deeper than the fence manufacturer’s recommendation.



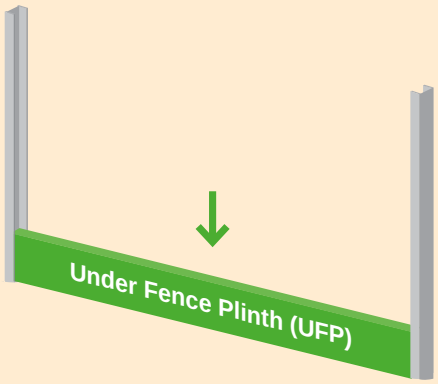

## 2. Remove Rail.

- Remove bottom fence rail.



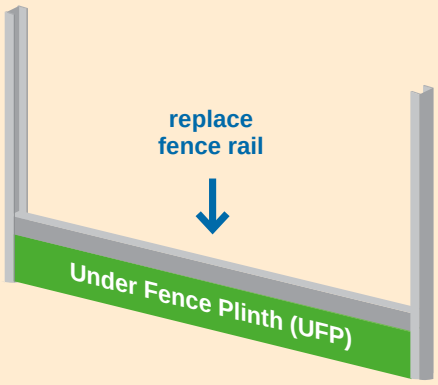

## 3. Concrete UFP.

- Insert concrete Under Fence Plinth in between posts.



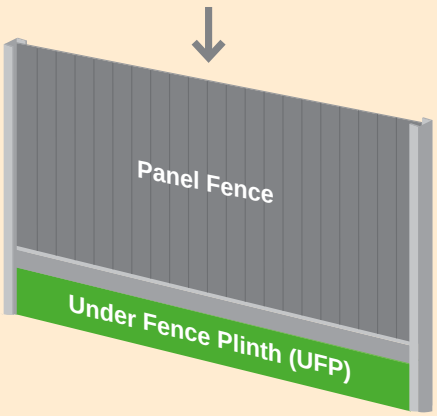

## 4. Replace Rail.

- Replace bottom rail, as per fence manufacturer’s instructions.




## 5. Fence Panel.

- Install fence panel, as per fence manufacturer’s instructions.



# Installation Guide
## Step Kits

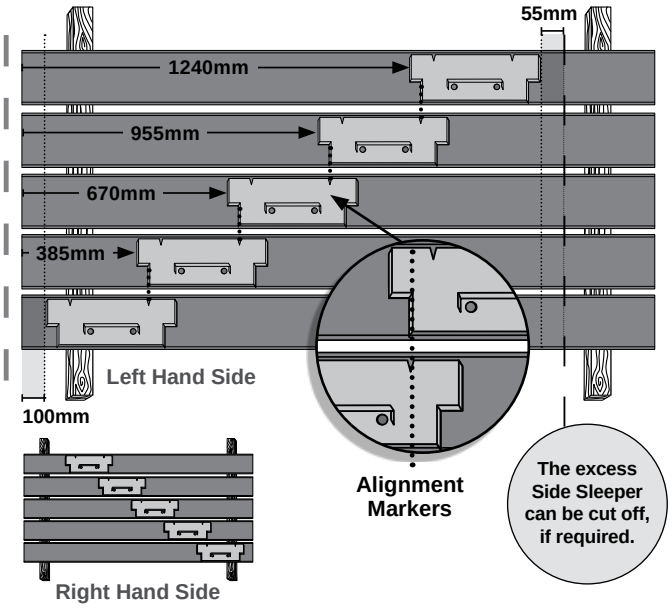
CONCRETE 60 MPa STRENGTH

**What you'll need:**

- Sleepers (2 x each layer)
- Step Support Plates (2 x each layer)
- Locating Pins (4 x each layer)
- 10mm and 12mm Masonry bits
- Step Treads (2 x each layer)
- Crib / Riser (1 x each layer)
- Masonry Drill
- Chemical Anchor Cartridge.

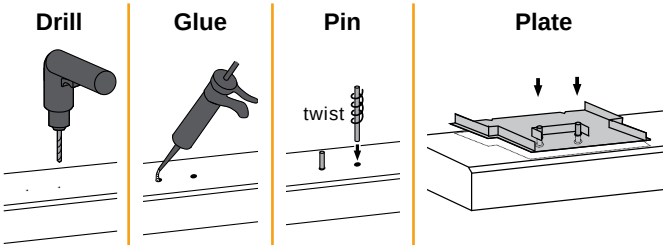
## 1. Prepare Side Sleepers.

Line up Side Sleepers (smooth side up) on timber bearers. Place first Step Support Plate 100mm from edge on bottom layer. Use Alignment Markers or measurements (provided) to place subsequent Step Plates.




## 2. Attach Step Plates

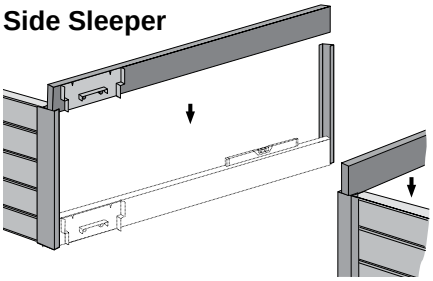
Drill holes into Side Sleeper. Tilt and brush or vacuum holes to ensure they are clean. Half fill holes with Chemical Anchor glue, twist Locating Pins all the way into base of holes and attach Step Support Plates.



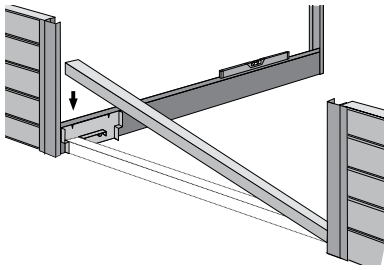

## 3. Build Steps.

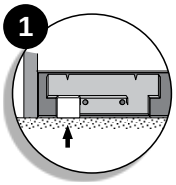
Starting from the bottom, place the lowest Side Sleeper between the Channel Columns, one layer at a time:
Side Sleeper, Crib / Riser, Step Tread, repeat until completed.

**Side Sleeper**

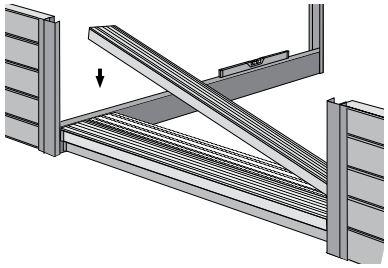


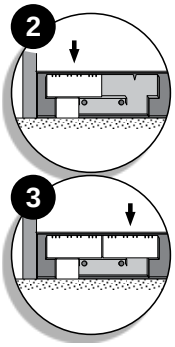
**Crib / Riser**



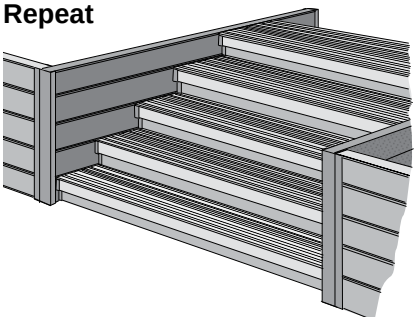



**Step Treads**

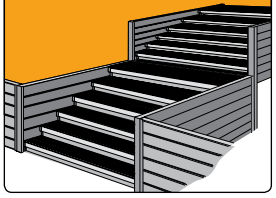





**Repeat**



**Compatible with the Landing Platform Kit for stairs over 6 steps high.**



**For the complete instructions on the Step Kit Installation Guide go to:**
**www.outbacksleepers.com.au/specifiers/**

# Further Information

## Delivery and Pick Up.

### Transport

- Dedicated delivery vehicles.
- Forklift for site access.
- Kerbside delivery.
- Large Load capacity for commercial customers.

### Loading Area

- Pick up available from Outback Sleepers Australia.
- Our loading areas can accommodate vehicles with trailers up to B-double trucks.

**Please Note:** We do not load cars, vans or cage trailers.

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## Concrete Sleepers.

Important Information:

### Specifications

**Sleeper concrete grade is 60MPa.**

**No heavy mechanical compaction within 75% height of wall.**

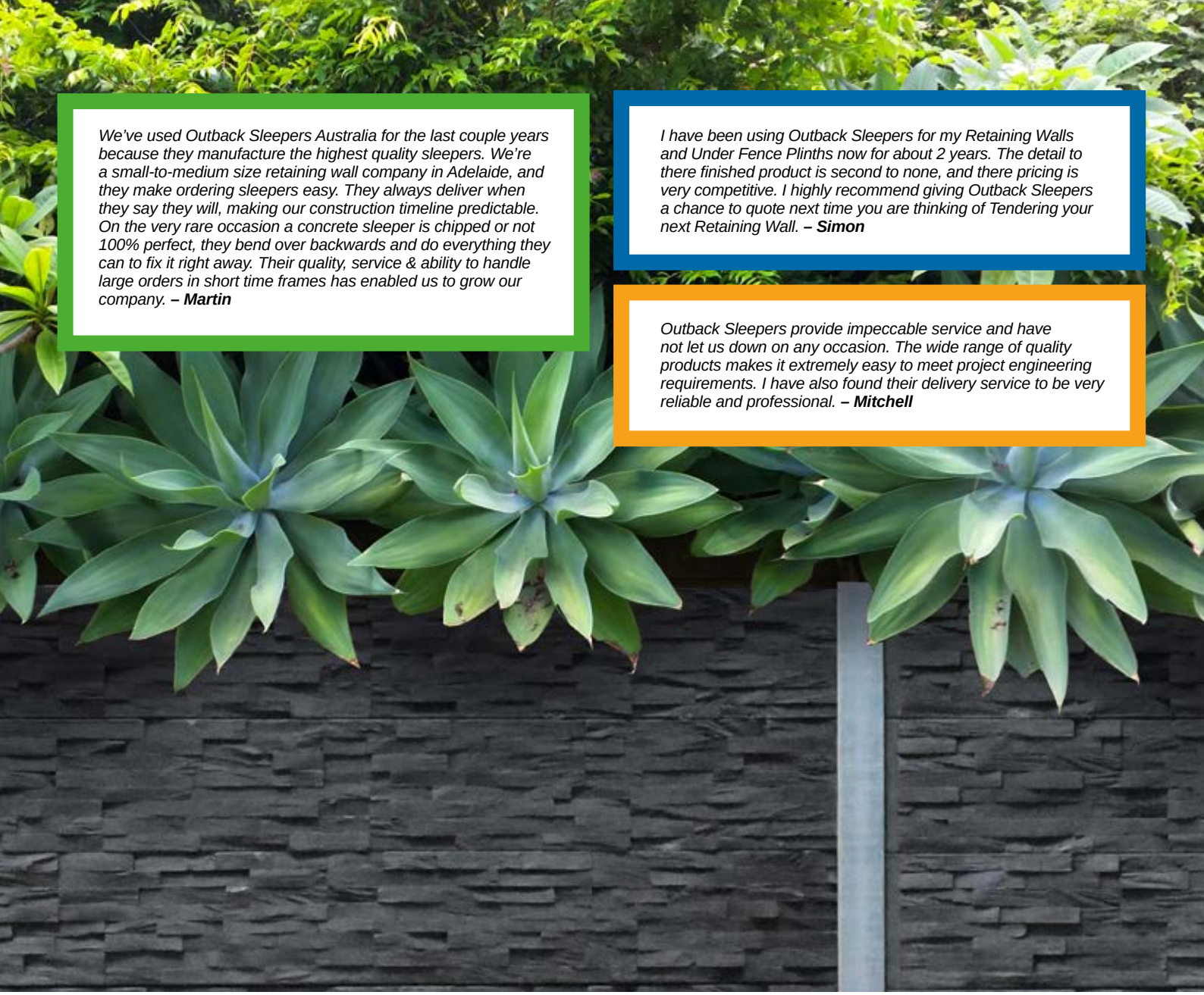
**These sleeper specifications are only suitable for use with retaining walls which satisfy the following conditions/limitations:**

- The wall is not subject to heavy surcharge loads, for example; nearby existing retaining wall; structure; buildings within a distance equal to two times the wall height or placing a fence on the retaining wall.
- The final surface gradient above the wall is level or only slight (i.e less than 1 vertical rise in 10 horizontal).
- The wall backfill is free draining (consisting of sand and or gravel).
- All sub-surface water is drained by means of an agricultural drain or other suitable method.
- Sleepers minimum end bearing length shall not be less than 25mm each end.

**Note:** Please check with your local authority for specific regulations.

**Sleeper engineering specification:**

- **60 MPa**
- Concrete complies with AS3600/2018.
- Engineered and Certified.
- 50 Year Design Life-span.



*We've used Outback Sleepers Australia for the last couple years because they manufacture the highest quality sleepers. We're a small-to-medium size retaining wall company in Adelaide, and they make ordering sleepers easy. They always deliver when they say they will, making our construction timeline predictable. On the very rare occasion a concrete sleeper is chipped or not 100% perfect, they bend over backwards and do everything they can to fix it right away. Their quality, service & ability to handle large orders in short time frames has enabled us to grow our company.* ***– Martin***

*I have been using Outback Sleepers for my Retaining Walls and Under Fence Plinths now for about 2 years. The detail to there finished product is second to none, and there pricing is very competitive. I highly recommend giving Outback Sleepers a chance to quote next time you are thinking of Tendering your next Retaining Wall.* ***– Simon***

*Outback Sleepers provide impeccable service and have not let us down on any occasion. The wide range of quality products makes it extremely easy to meet project engineering requirements. I have also found their delivery service to be very reliable and professional.* ***– Mitchell***

OUTBACK SLEEPERS

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