

The Pioneer Range

1.

Choose your colours and finishes



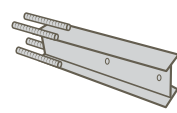
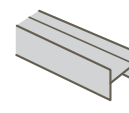
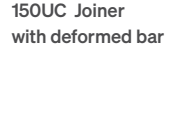
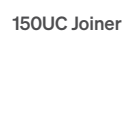
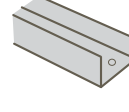

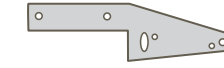

Grey Smooth Charcoal Smooth Natural Sandstone Graphite Sandstone Ironbark Timberlook Gumtree Timberlook



Charcoal Slate

2.

Select your posts - Posts should be twice as high as your wall

Post Type	Wall Height	Post Height	Post Type	Wall Height	Post Height
100UC Joiner with deformed bar 	0.4m	1.15m	100UC Joiner Full Length 	0.4m	0.8m
	0.6m	1.15m		0.6m	1.2m
	0.8m	1.55m		0.8m	1.6m
	1.0m	1.95m		1.0m	2.0m
	1.2m	2.35m		1.2m	2.4m
	1.4m	2.75m		1.4m	2.8m
	1.6m	3.15m		1.6m	3.0m
	1.8m	3.55m		1.8m	3.4m
150UC Joiner with deformed bar 	2.0m	3.95m	150UC Joiner 	2.0m	3.6m
	2.2m	4.35m		2.2m	3.6m
	2.4m	4.75m		2.4m	4.0m
	2.6m	5.15m		2.6m	4.4m
	3.0m	5.95m		2.6m	4.8m
100PFC Ender 	0.4m	0.8m	Straight Fence Brackets 	Colorbond Fence 580L x 100W x 3T mm ITEM No. 1080367 Timber Fence 580L x 100W x 6T mm ITEM No. 1080369	
	0.6m	1.2m		Offset Fence Brackets 	Colorbond Fence 580L x 187W x 3T mm ITEM No. 1080368 Timber Fence 580L x 187W x 6T mm ITEM No. 1080370
	0.8m	1.6m			
	1.0m	2.0m			
	1.2m	2.4m			
	1.4m	2.8m			
1.6m	3.0m				
150PFC Ender 	2.0m	4.0m			

How It Works

It's as simple as 1, 2, 3! Follow the steps shown to purchase or order your product. If you need further advice, speak to a team member at the Special Orders Desk in-store.

1. Select The Product You Want

View the extensive range available in this brochure or online. Use the number/s shown below to order your product in-store.



Ironbark Timberlook
1500 L x 200 H x 75 T mm **ITEM NO. 1080366**

POST TYPE	WALL HEIGHT	POST HEIGHT	ITEM NO.
100UC JOINER	400MM	750MM	1080371
BRACKET	FENCE TYPE	BRACKET SIZE	ITEM NO.
STRAIGHT	Colorbond	580MM X 100MM X 3MM	1080367

2. Order at the Special Orders Desk

After you have selected the product you want, take this brochure to the Special Orders Desk.

3. Get It Home

We Will Deliver

Delivery to your home or site can be arranged in-store when purchasing your products

Pick-Up In-Store

If you decide to pick-up in-store and need help to get it home, you can:

- borrow a courtesy trailer
- hire a vehicle

Check with your local Bunnings store for availability.

Please note minimum order values apply

Please check with Special Orders team member to confirm direct delivery lead times and cost.

Pioneer Concrete Sleeper Retaining Walls



Engineered for walls up to 3 metres

- ✓ Simple system
- ✓ Low maintenance
- ✓ Great range of finishes
- ✓ Designed to last

35 YEAR
PRODUCT WARRANTY

Available at
BUNNINGS
warehouse

Visit. australmasonry.com.au

Call. 1300 Masonry

Visit. australmasonry.com.au

Call. 1300 Masonry

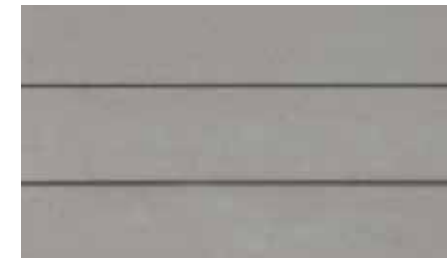
Both subtle and sleek, Pioneer was crafted to blend in to any project whether it be commercial or residential.



Pioneer Concrete Sleepers

All Pioneer Reinforced Concrete Sleepers are 200mm high and 75mm thick, with internal reinforcing so they're solid, strong, and dependable. Available in a variety of lengths, and a range of finishes, they're adaptable to almost any project.

Pioneer's matching galvanised post system makes design and install easy – just draw out your wall, count your posts and select your sleepers – it's that easy!



Grey Smooth
1200 L x 200 H x 75 T mm
1530 L x 200 H x 75 T mm
2000 L x 200 H x 75 T mm
2400 L x 200 H x 75 T mm*

ITEM NO.
1080354
1080355
1080357



Charcoal Smooth
1200 L x 200 H x 75 T mm
1530 L x 200 H x 75 T mm
2000 L x 200 H x 75 T mm
2400 L x 200 H x 75 T mm*

ITEM NO.
1080366



Natural Sandstone
1580 L x 200 H x 75 T mm
2000 L x 200 H x 75 T mm
2400 L x 200 H x 75 T mm*

ITEM NO.
1080363



Graphite Sandstone
1580 L x 200 H x 75 T mm
2000 L x 200 H x 75 T mm
2400 L x 200 H x 75 T mm*

ITEM NO.
1080366



Ironbark Timberlook
1580 L x 200 H x 75 T mm
2000 L x 200 H x 75 T mm
2400 L x 200 H x 75 T mm*

ITEM NO.
1080366



Gumtree Timberlook
1580 L x 200 H x 75 T mm
2000 L x 200 H x 75 T mm
2400 L x 200 H x 75 T mm*

ITEM NO.
1080426



Charcoal Slate
1580 L x 200 H x 75 T mm

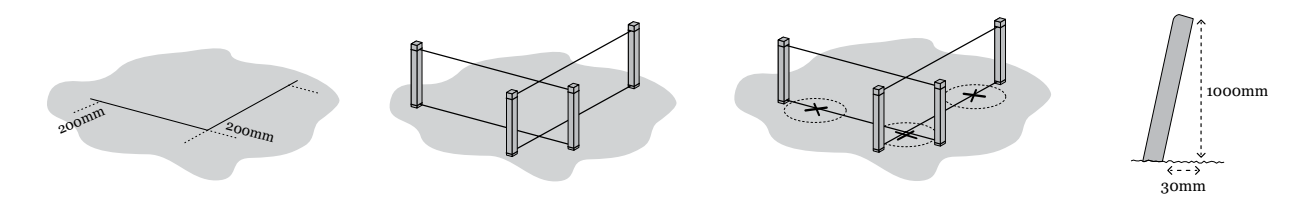
ITEM NO.

*Please note: 2400 L x 200 H x 75 T mm are only suitable for walls up to 600mm.

Project Checklist

- ✓ Measuring tape
- ✓ Level and string line
- ✓ Shovel
- ✓ Steel posts or pegs
- ✓ Post hole digger
- ✓ Quick set concrete
- ✓ Ag pipe and weed matting
- ✓ Pioneer reinforced concrete sleepers
- ✓ Pioneer end and joiner posts.

Installation Overview



1.

Prepare the Area

Clear and level your site where you plan to build the retaining wall. Ensure you leave 200mm behind the retaining wall area for backfill.

2.

Alignment

Place a star piquet or peg at both ends of the proposed wall. Attach two string lines at each end of the wall, top and bottom, to keep your wall aligned.

3.

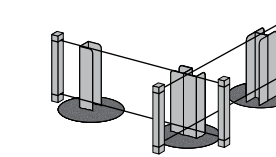
Mark out Holes

Starting from one end of the wall, mark a cross on the ground at intervals with their centre being approximately 20mm more than the length of the sleeper. For example: If you are using 1530mm sleepers the hole centres should be 1550mm apart – note, this will vary on the length of sleeper used.

4.

Auger Holes and Pour Concrete

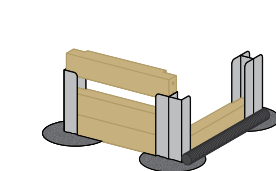
- Auger holes as per your engineer's specifications.
- Pour concrete into holes, one at a time.
- Make the concrete stiff. If using readymix concrete, order 20/20, 60 slump.
- Set your post by lowering into ground until level with the top string lines.
- Ensure there is a minimum lean back of 30mm for every 1.0m in height.



5.

Checking Posts

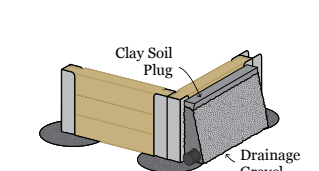
- Use a spirit level to make sure all your posts are aligned with the string line and are perpendicular on the sides.
- It is also important to measure the remaining distance to the top of your steel posts, to ensure the sleepers finish flush with the top of the posts.
- If required, lay a concrete pad on both sides of the steel post.



6.

Ag Pipe and Backfill

Allow the concrete to cure for two to three days before you place your sleepers in. Place ag pipe at the base, then backfill with gravel to 200mm from the top.



7.

Soil Plug

Place 65mm ag pipe at the base of the back of the wall, then backfill with 20mm drainage gravel to 200mm from top of the wall. Fill to the top with a clay soil plug.

Notes

Retaining walls must be designed to AS4678. Most councils require that any retaining walls over 0.8m in height from natural ground level are subject to building approval. Any retaining wall that is less than 1.5m away from a building or other retaining wall also requires building approval.

Exclusion Zone

There must be an exclusion zone behind the wall at an angle of 45° – no structure can be placed within that exclusion zone. Zone of influence = height of the wall. Backfill must be placed and compacted in layers to not exert pressure on the wall due to consolidation over time.

Global stability and tiered wall design is excluded and should be assessed by a qualified Geotechnical engineer.

