

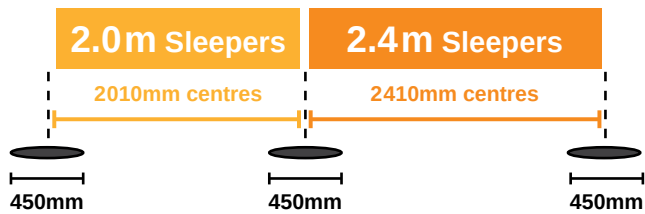
Installation Guide.

Concrete Sleepers



1. Hole centre.

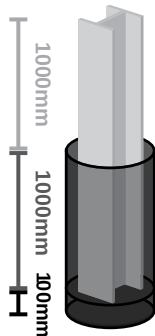
- Set pegs at each end of the retaining wall site and connect with a string line to give the required alignment.
- Holes should be dug at 2010mm centres for 2.0m sleepers and 2410mm for 2.4m sleepers (Note: a similar allowance of 10mm can be used for other lengths).
- Hole diameter must be at least 450mm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



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.



3. String line.

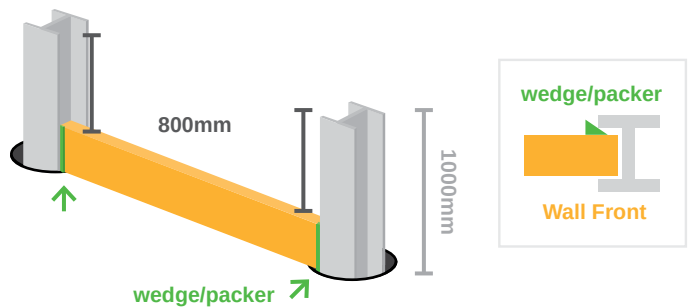
- With the string line still in place, check the alignment of all posts with a spirit level.
- Re-check distances between posts. This can be done with a tape measure or a piece of cord cut at 2010mm or 2410mm.



4. Sleepers.

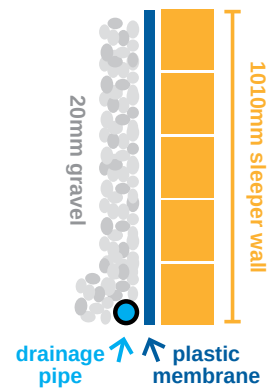
- Ensure concrete has cured overnight.
- Place first sleeper between posts, then proceed to check the measurement from the top of the sleeper to the top of each post.
- Use fibro-cement sheeting for packaging under the bottom of the sleeper to adjust height, then install the rest of the sleepers.
- Check 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.



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

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.