



GardenBridge.co.uk Limited

Installation instructions for **Standard domestic use** **1m-4.8m long bridges**

All bridges supplied from GardenBridge.co.uk Limited should be set onto a concrete foundation which meets our minimum specifications (see table below).

This will ensure the best fit and lifespan for your bridge. All installations should be completed by a competent person. If you do not feel you can complete the installation we recommend you employ the services of a professional. Please ensure this is done in a safer way following all HSE guidance, using the correct PPE.

1. The ground for the foundations should be excavated until clay or other solid ground is reached to prevent foundation movement. Supporting ground should be suitable to carry a load of 10kNm/2.
2. For the best fit for your bridge we recommend you plan your excavations for the foundations to result in the first plank of the bridge being level with the footpath/ground level, where possible.
3. The foundations should be laid in a rectangular shape to the dimensions below.

Dimensions/ Bridge length	Length	Depth	Width	Clear distance between foundations
1000mm	300mm	300mm	Bridge width +300mm	700mm
1200mm	300mm	300mm	Bridge width +300mm	900mm
1500mm	300mm	300mm	Bridge width +300mm	1200mm
1800mm	400mm	400mm	Bridge width +300mm	1400mm
2100mm	400mm	400mm	Bridge width +300mm	1700mm
2600mm	400mm	400mm	Bridge width +300mm	2200mm
3000mm	500mm	500mm	Bridge width +300mm	2500mm
3500mm	500mm	500mm	Bridge width +300mm	3000mm
4200mm	600mm	600mm	Bridge width +300mm	3600mm
4800mm	600mm	600mm	Bridge width +300mm	4200mm

4. Please remember when using concrete near any water course that all steps possible are taken to prevent any concrete entering the water as it may harm or kill pond/wildlife.

5. All concrete used in the foundations should be at least a C35 mix with a layer of A393 weld mesh 50mm from the top and bottom of the foundations.

6. All bridges are to be anchor bolted to the foundations at each beam end using the anchor bolt fixing kits available on our website. Please don't forget to use a damp proof membrane between the under side of the timber beams and the concrete to prevent accelerated decay of the timber due to water absorption from the concrete.

7. Bridges are to be fixed down with anchor bolts through recessed holes drilled in the beam ends where they contact the foundations. The bolt holes need to be recessed to prevent obstructing the deck boards once fit.

Bridges 1m-3.5m require x1 bolt per beam end and bridges 4.2m-4.8m require x2 bolts per beam end and remember to use a suitable washer.

8. Where possible avoid back filling against the sides/end of the bridge as this will likely cause water absorption at these locations and result in accelerated decay in these areas. If it is necessary use large diameter gravel (not MOT) as this will drain easily.

If you are at all unsure about installation of your bridge we would recommend you consult a professional, otherwise the safety of all people using the bridge may be compromised.

Please note that if your bridge is not installed properly it may weaken the bridge and the specified load limits will no longer apply.