

Each GreenWood Bridge is engineered & certified to carry 6,000 or 12,000kg



## **BRIDGE SIZES**

	Actual
Bridge	Bridge
Clearspan	Length
3.0m	5.4m
4.0m	6.0m
5.0m	7.0m
6.0m	8.0m
7.0m	9.0m
8.0m	10.0m

GreenWood Farm Bridges are 3.0m or 3.6m wide as standard. Wider and higher capacity bridges are available.

0800 347 259

## greenwoodinfo.co.nz

GREENWOOD



## Why choose a GreenWood Farm Bridge?

ENGINEERED & CERTIFIED - all Greenwood bridges are individually engineered
VERY ECONOMICAL - a very economical option for many waterway crossings
EXTREMELY STRONG AND DURABLE AND HEAVY
SIMPLE - one kitset, engineered to do the job
EASY INSTALLATION - quick to install by builder or fencer
VERY LOW MAINTENANCE - virtually maintenance free – unlike some culverts
SAVE TIME - faster and cleaner crossings

To install a GreenWood Farm Bridge you need your banks to be firm ("Good Ground" as defined by NZBC), free from scouring and well vegetated. The bottom of the bridge is to be above the high water / flood water level by at least 400mm or high enough so that in the event of flooding, debris does not disturb the bridge (as is preferred for all bridges).

GreenWood will send the materials (materials for abutments, bearers, 200x100mm decking, running boards, hardware, materials for side fences or kerbing, 2 x bridge signs (bridge signs as per legal compliance), plans, PS1) delivered (unloading may be required on arrival), and excludes installation and site preparation.

As a guide for the installation – good ground conditions and good access to both sides of the crossing is ideal. A tractor on site with a bucket or FEL (or better still a digger) that is available for the builders is assumed, or the builders can bring one. Assumes each bank is approximately level with the other then the installation should take approx. 3-3.5 days for 2 builders / fencers for a 4m clearspan (6m platform) bridge. For a larger bridge, say 8m clearspan, allow up to 4-5 days for 2 builders.



Plus, if anchor piles are preferred or required at each end for a heavier and stronger abutment or foundation. A good option is to drive the piles plus add a concrete collar around the top (approx.) 600mm of these piles. Anchor piles are not part of the standard kitset but can easily be added.

Any on-site work is not part of Greenwood's kitset and plans package. The builder or fencer will invoice you directly for on-site activity, and we can normally recommend a local contractor to you. Your good local fencer will be able to install a GreenWood bridge.

If ground conditions are not "Good Ground" then it might be that anchor poles need to be driven either side of bridge at each end (4 in total). This would be at extra cost. To be certain your ground is "good ground" you may wish to have a local engineer verify this by visiting the site and testing the ground conditions. This is your cost. Unless ground is Good Ground, then a specific engineered design is required, at extra cost.

In summary Greenwood verifies the bridge structure is compliant (all GreenWood bridges are engineered by an independent engineer), you to verify your ground conditions, assembly has been completely properly and to maintain the bridge during it's lifetime. Note – while a bridge's capacity may be max 12,000kg, the bridge could possibly still support a 24,000kg truck (for example) as often, especially for shorter bridges, much of the truck is not on the bridge at the same time.

## National Office: Christchurch

Distribution Centres: Whangarei, Hamilton, Reporoa, Christchurch, Mataura

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