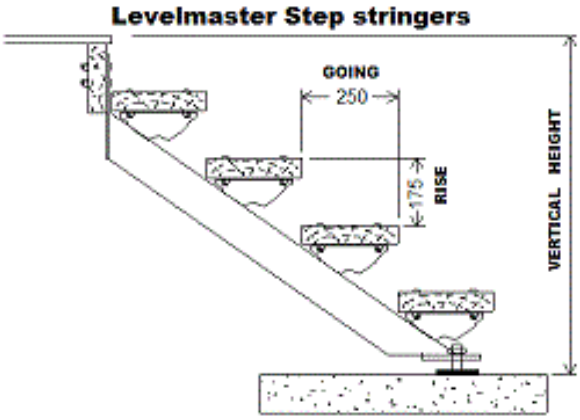
LevelMaster
Stronger • Easier • Faster ADJUSTABLE HOUSE STUMPS
1300 538 356

Stair Stringer Installation Guide

LevelMaster Stair Stringers are readily available in 1-17 tread sizes. Step tread brackets and hardwood stair treads are also available to order.

- Come with an **adjustable** bolt down or cast in attachment.
- All sizes ready in stock ready to ship.
- Hot-dip galvanised.
- Easy to install.



As seen in the image on the left, our stringers are designed with the standard rise (**175mm**) and going (**250mm**). To comply with Building Code Australia a tread depth of **50mm** is mandatory. Each pair of stringers is designed to hold a maximum tread width of **1000mm**, if your treads are larger than this you will require another single stringer (half set) as support in the middle.

Knowing how many steps you will need is the first hurdle. To ensure you get the right step count, measure from the landing, directly down to the ground (or whatever they go down too), this measurement is known as "**Height to Deck**". Once you find the number refer to the table below!

Step Count	Height to Deck (mm)	Diagonal Length (mm)	Weight (kg)
1	350	600	5
2	525	830	8
3	700	900	14
4	875	1200	20
5	1050	1500	26
6	1225	1800	32
7	1400	2150	40
8	1575	2450	47
9	1750	2750	53
10	1925	3050	60
11	2100	3350	67
12	2275	3650	74
13	2450	3950	80
14	2625	4250	86
15	2800	4550	92
16	2975	4855	98
17	3150	5160	104

The bolt down and cast in connectors come apart from the stringers to make it easy for people to use and install and means they are adjustable. The top bracket can also be altered to become a side mount or landing mount, depending on what the location requires.

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Once you have selected the stringer size required and the footing type needed to go with it, the installation process begins.
This process will be very different depending on the type of base you have chosen.

Bolt down (SSBD)	Cast In (SSCI)
➢ Measure the height to deck one more time to ensure it is correct, build up the ground below if needed. ➢ Attach the bolt down brackets provided to the mounting base of each stringer. ➢ Correctly position both stringers to the distance apart suitable for the job. ➢ Use M12 Bolts to mount the top bracket to the deck, ensuring the top bracket is 225mm from the deck. ➢ Use M12 Anchor screws to anchor the base to the concrete platform (pictured below). ➢ Ensure brackets are level in both directions. ➢ Attach the treads using suitable fixings for the material selected.	➢ Measure the height to deck one more time to ensure it is correct, build up the ground below if needed. ➢ Attach the cast in connector provided to the base of each stringer. ➢ Excavate a suitable footing for each side. ➢ Use M12 Bolts to mount the top bracket to the deck, ensuring the top bracket is 225mm from the deck. ➢ Ensure brackets are level in both directions. ➢ Once the stringer is in place properly, concrete the legs into both footings. ➢ Attach the treads using suitable fixings for the material selected.

M12 Chemical Anchor

We also sell individual step brackets, for those who want to build your own stair set!

LevelMaster Stair Stringers are built to last and are engineered certified; Engineers Certification Number RPEQ 6715. When installing LevelMaster Stair Stringers, in order to comply with the Building Code of Australia, the rise of all steps must remain consistent, this includes the first and last step. As mentioned previously the level of the ground may need to be built up to ensure this is the case.

Our stringers are patented so you can be guaranteed that when you order with us you will be getting the very best product quality on the market!

Please note: Unloading of the stringers may be difficult, they are quite long and a pair can weigh in excess of 100kg, so it is vital to ensure your safety while unloading or moving the stringers. Also should your stair stringers be dropped they can be damaged easily.

Whether you get a 1-step pair or a 17-step pair, you can be guaranteed you are receiving the best quality set of stringers money can buy. If you would like to see the engineering documents please call our friendly staff.