



## **Stair Stringer Installation Information**

Our standard Steel Stair Stringers are constructed with a Rise of 175mm and a Step Width or of Going of 250mm.

The standard Stringers are devised to fit 50mm treads in order to attain an ultimate gap of 125mm between each tread. A maximum stair width of 1000mm per pair is what our Stair Stringers are designed for. If wider tread spans are needed, a centralised third stringer or more; must be utilized.

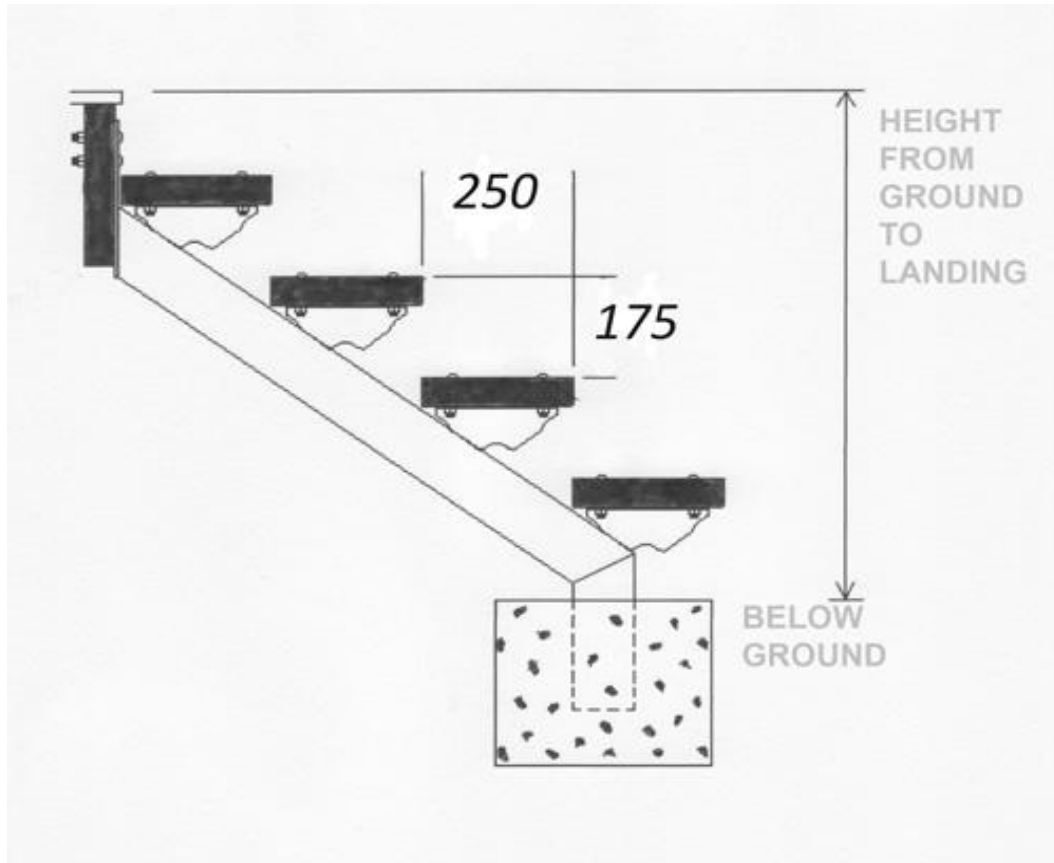
Stair Stringers are available individually but they are generally ***sold as a pair***. They come complete with top hanger brackets, tread brackets and a foot.

We use Australian standard (AS1163) 100 x 50 x 3.0mm or 4.0mm "SUPER" RHS in the creation of our Stringers. This product is pre-galvanized, inside and out section our hanger brackets, riser brackets and feet are constructed from pre-zinc materials. The welds on our Stringers and brackets etc are undercoated with Cold Galvanized Zinc Paint as well as a top coat as an additional safeguard after construction for an all over total "Galv" finish.

The in ground foot style (note diagram) is the most preferred form of stair stringer made. It is a simple style to assemble and can be simply achieved by the home handyman. The top hanger brackets need to be bolted into place, and then the base of the stair stringer is easily concreted into an appropriate hole in the ground (leg length approx 350mm in length).

### ***How do you calculate the steps you need on your stringer?***

Simply measure the height from the top of the landing to the ground directly below, divide this length by 175 rounding to the nearest whole number and deduct one for the top landing.



Example: Height =  $1225 \div 175 = 7$  less 1 = 6 Steps.

***How far out will the stringer be?***

To calculate this multiply the number of steps by 250mm (or the step width) and then deduct 175 (or the step height). The result is equal to the distance from the landing to the centre of the hole needed for concreting the stair stringers into the ground. i.e. (No. of Steps x 250) - 175 = hole centre.