



**Weldlok®**

**Weldlok®  
Stair  
Stringers**

The Weldlok® brand  
is proudly owned by



**NEPEAN**  
Building &  
Infrastructure

Weldlok® stair stringers are available configured for 1 to 17 treads. Engineered specifically to provide structurally sound accessibility with up to 5mm RHS thickness, this universal stair stringer design is solid under foot-traffic producing minimal deflection.

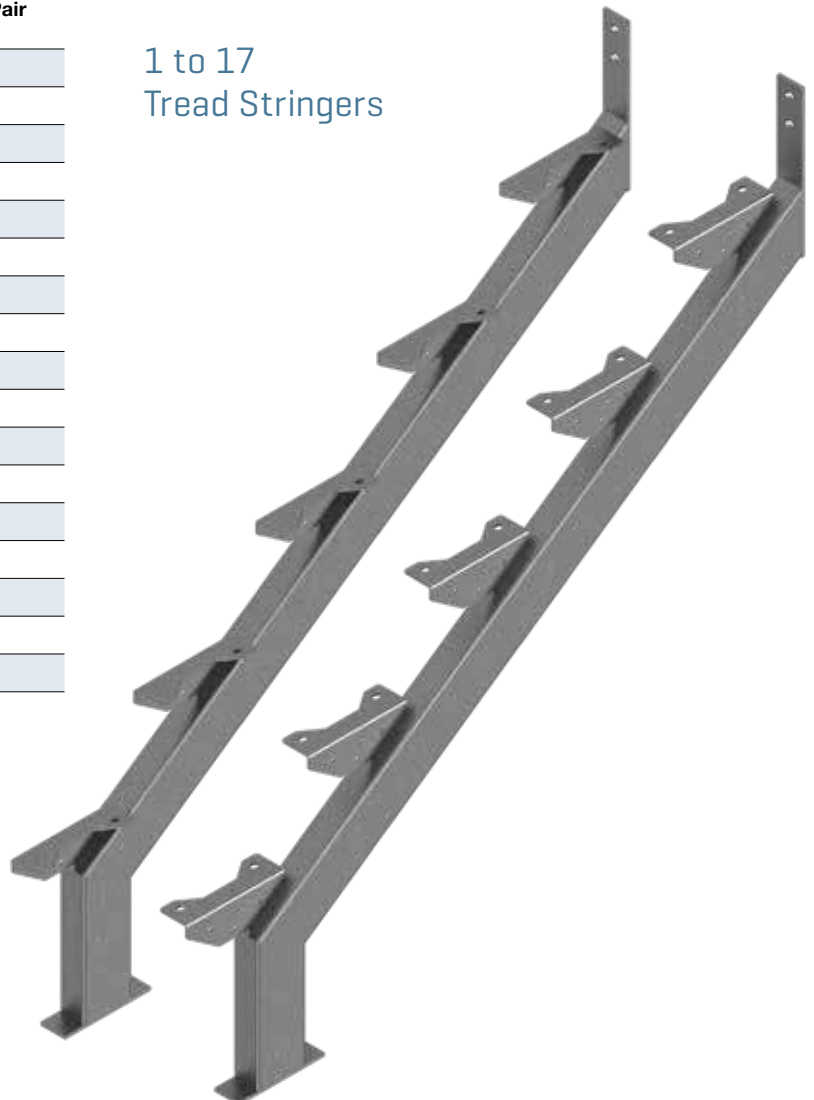
- > Convenient and easy to install.
- > Available off-the-shelf in 1 to 17 tread stringer pairs.
- > Hot-dip galvanised to Australian Standard AS/NZS 4680:2006.
- > Standard 175mm rise and 250mm going at an angle of 35 degrees.
- > Designed to take a maximum tread width of 1000mm.
- > In order to comply with BCA a tread depth of 50mm minimum is required.

### How to calculate the number for treads required

1. Measure the vertical height from the ground to the finished floor level of the landing.
2. Divide the height by the rise (175mm).
3. Round the result to the nearest whole number, then reduce by one for top landing.  
 Example: Height = 1000 divided by 175 = 5.71 rounded to 6 and reduced by 1 = 5 step stringers required.

Weldlok Product Code	Number of Steps	Vertical Height (mm)	RHS Thickness (mm)	Weight per Pair (kg)
G1TS	1	350	3.0	10
G2TS	2	525	3.0	15
G3TS	3	700	3.0	19
G4TS	4	875	3.0	25
G5TS	5	1050	3.0	30
G6TS	6	1225	4.0	35
G7TS	7	1400	4.0	41
G8TS	8	1575	4.0	46
G9TS	9	1750	4.0	52
G10TS	10	1925	4.0	58
G11TS	11	2100	4.0	61
G12TS	12	2275	4.0	66
G13TS	13	2450	5.0	107
G14TS	14	2625	5.0	116
G15TS	15	2800	5.0	124
G16TS	16	2975	5.0	132
G17TS	17	3150	5.0	140

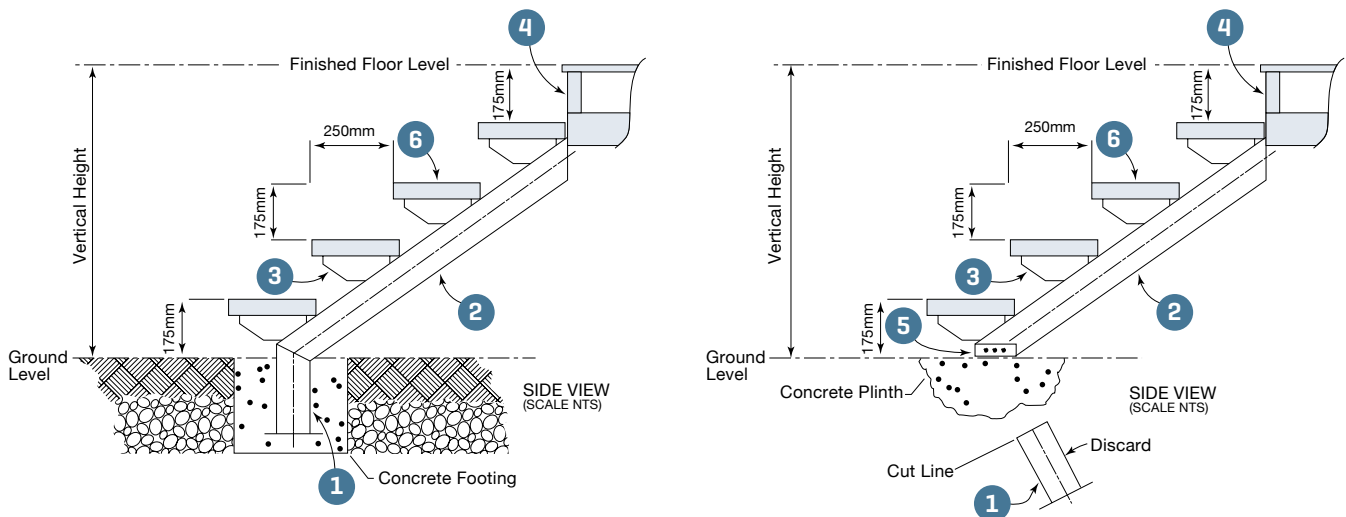
1 to 17 Tread Stringers



**Note:** When installing Weldlok® stair stringers, in order to comply with the Building Code of Australia, the “rise” of each tread MUST be consistent, including the first step and the last step up to the landing platform. The ground level may need to be built up to achieve this. Always use appropriate safety apparel when carrying out installation work.

# TYPICAL INSTALLATION GUIDELINES

Weldlok® stair stringers are supplied in pairs with tread mounting brackets welded in place, ready for installation. They are hot-dip galvanised for long life and are ready to cast-in or with the addition of the optional bolt-down bracket they can be bolted in position.



## Cast-In

- Measure vertical height and ensure risers are consistent. Ground level may need to be built up to suit.
- Excavate suitable footing.
- Bolt stringer mounting bracket (item 4) to vertical face.
- Concrete the stringer cast-in leg (item 1) into place.
- Fix treads using suitable and appropriate fixings.

## Item No. Description

- Stringer cast-in leg
- Stringer
- Tread mounting bracket
- Stringer vertical mounting bracket
- Optional bolt-down bracket
- Stair tread

**Note:** When installing Weldlok® stair stringers, always take note of the installation recommendations affixed to each stringer pair.

## Bolt Down

- Measure vertical height and ensure risers are consistent. Ground level may need to be built up to suit.
- Cut off cast-in leg (item 1) to suit.
- Bolt stringer mounting bracket (item 4) to vertical face.
- Tek screw bolt-down bracket (item 5) to each leg.
- Anchor bolt-down bracket to suitable concrete plinth.
- Fix treads using suitable and appropriate fixings.



## Tread Mount Bracket

Product Code GTMB

Hot-dip galvanised tread mount brackets are available separately (fixings not included).

L: 250mm, W: 75mm, H: 40mm



## Bolt-Down Bracket

Product Code GBDB

Hot-dip galvanised brackets are available separately (fixings not included).

L: 100mm, W: 50mm, H: 50mm



## Steel Stair Treads

Product Code GTNS655

Hot-dip galvanised stair treads are available on request (fixings not included).

L: 1000mm, W: 260mm, H: 50mm

## NEPEAN Building and Infrastructure

Originally founded as Graham Group, NEPEAN Building & Infrastructure is one of Australia's largest fully integrated manufacturer and supplier of metal products for the industrial and commercial building sectors.

### Weldlok®

Grating, handrail and drainage products

### Galintel®

Galvanised steel lintels and retaining wall posts

### Mastermesh®

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### Galserv®

Hot-dip galvanising

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## National Sales Branches

### New South Wales

137 Rookwood Road  
PO Box 57  
Yagoona NSW 2199  
P: + 61 2 9707 5088  
F: + 61 2 9707 5050  
E: nsw.bi@nepean.com

### Western Australia

98 Campbell Street  
Belmont WA 6104  
P: + 61 8 9230 8466  
F: + 61 8 9277 7742  
E: wa.bi@nepean.com

### Victoria

171 Derrimut Drive  
Derrimut VIC 3030  
P: + 61 3 8353 3701  
F: + 61 3 8353 3709  
E: vic.bi@nepean.com

### Head Office

137 Rookwood Road  
PO Box 57  
Yagoona NSW 2199  
P: + 61 2 9707 5000  
F: + 61 2 9707 5050  
E: bi@nepean.com

### Queensland

967 Nudgee Road  
PO Box 283  
Banyo QLD 4014  
P: + 61 7 3633 1333  
F: + 61 7 3633 1313  
E: qld.bi@nepean.com

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