

Weldlok®

MONO STRINGER

Product Guide



The Weldlok® brand
is proudly owned by



NEPEAN
Building &
Infrastructure

WELDLOK® MONO STRINGER KITS

Ordering a Weldlok® Mono Stringer Kit is simple. Use this order form on the inside back page to complete the required dimensions and select the applicable options.

KIT 1 Mono Stringer Kit with Timber Tread Option



Treads	Item no.	Treads	Item no.
2 Steps	STM2TT-WIRE-KIT	10 Steps	STM10TT-WIRE-KIT
3 Steps	STM3TT-WIRE-KIT	11 Steps	STM11TT-WIRE-KIT
4 Steps	STM4TT-WIRE-KIT	12 Steps	STM12TT-WIRE-KIT
5 Steps	STM5TT-WIRE-KIT	13 Steps	STM13TT-WIRE-KIT
6 Steps	STM6TT-WIRE-KIT	14 Steps	STM14TT-WIRE-KIT
7 Steps	STM7TT-WIRE-KIT	15 Steps	STM15TT-WIRE-KIT
8 Steps	STM8TT-WIRE-KIT	16 Steps	STM16TT-WIRE-KIT
9 Steps	STM9TT-WIRE-KIT	17 Steps	STM17TT-WIRE-KIT

Available from 2 to 17 treads with powder coated matt black finish, single side balustrade and timber treads.

KIT 2 Optional Balustrade for Timber Tread



Treads	Item no.	Treads	Item no.
2 Steps	STM2BALWIRE-KIT	10 Steps	STM10BALWIRE-KIT
3 Steps	STM3BALWIRE-KIT	11 Steps	STM11BALWIRE-KIT
4 Steps	STM4BALWIRE-KIT	12 Steps	STM12BALWIRE-KIT
5 Steps	STM5BALWIRE-KIT	13 Steps	STM13BALWIRE-KIT
6 Steps	STM6BALWIRE-KIT	14 Steps	STM14BALWIRE-KIT
7 Steps	STM7BALWIRE-KIT	15 Steps	STM15BALWIRE-KIT
8 Steps	STM8BALWIRE-KIT	16 Steps	STM16BALWIRE-KIT
9 Steps	STM9BALWIRE-KIT	17 Steps	STM17BALWIRE-KIT

Single Top-Mount Balustrade Kit to go with Mono Stringer Kit 1 when balustrades are required on both sides.

KIT 3

Mono Stringer Kit with Concrete Tread Option



Treads	Item no.	Treads	Item no.
2 Steps	STM2CT-WIRE-KIT	10 Steps	STM10CT-WIRE-KIT
3 Steps	STM3CT-WIRE-KIT	11 Steps	STM11CT-WIRE-KIT
4 Steps	STM4CT-WIRE-KIT	12 Steps	STM12CT-WIRE-KIT
5 Steps	STM5CT-WIRE-KIT	13 Steps	STM13CT-WIRE-KIT
6 Steps	STM6CT-WIRE-KIT	14 Steps	STM14CT-WIRE-KIT
7 Steps	STM7CT-WIRE-KIT	15 Steps	STM15CT-WIRE-KIT
8 Steps	STM8CT-WIRE-KIT	16 Steps	STM16CT-WIRE-KIT
9 Steps	STM9CT-WIRE-KIT	17 Steps	STM17CT-WIRE-KIT

Available from 2 to 17 treads with powder coated matt black finish, single side balustrade and concrete treads.

KIT 4

Optional Balustrade for Concrete Tread



Treads	Item no.	Treads	Item no.
2 Steps	STM2BALWIRE-KIT	10 Steps	STM10BALWIRE-KIT
3 Steps	STM3BALWIRE-KIT	11 Steps	STM11BALWIRE-KIT
4 Steps	STM4BALWIRE-KIT	12 Steps	STM12BALWIRE-KIT
5 Steps	STM5BALWIRE-KIT	13 Steps	STM13BALWIRE-KIT
6 Steps	STM6BALWIRE-KIT	14 Steps	STM14BALWIRE-KIT
7 Steps	STM7BALWIRE-KIT	15 Steps	STM15BALWIRE-KIT
8 Steps	STM8BALWIRE-KIT	16 Steps	STM16BALWIRE-KIT
9 Steps	STM9BALWIRE-KIT	17 Steps	STM17BALWIRE-KIT

Single Side-Mount Balustrade Kit to go with Mono Stringer Kit 3 when balustrades are required on both sides.

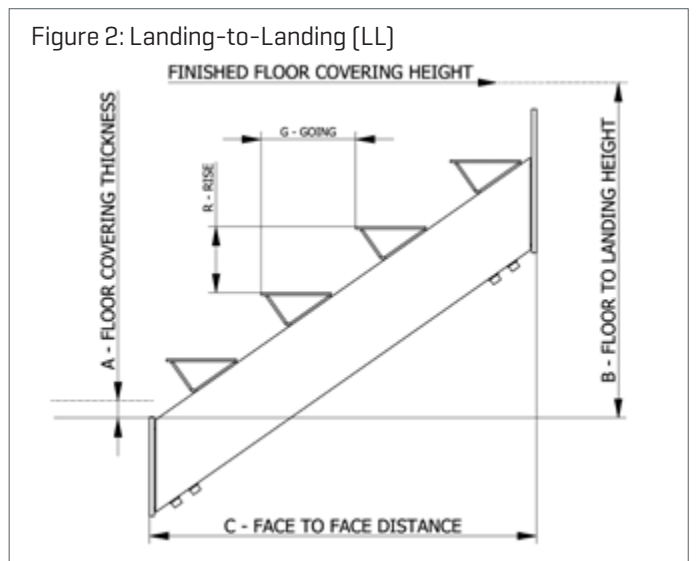
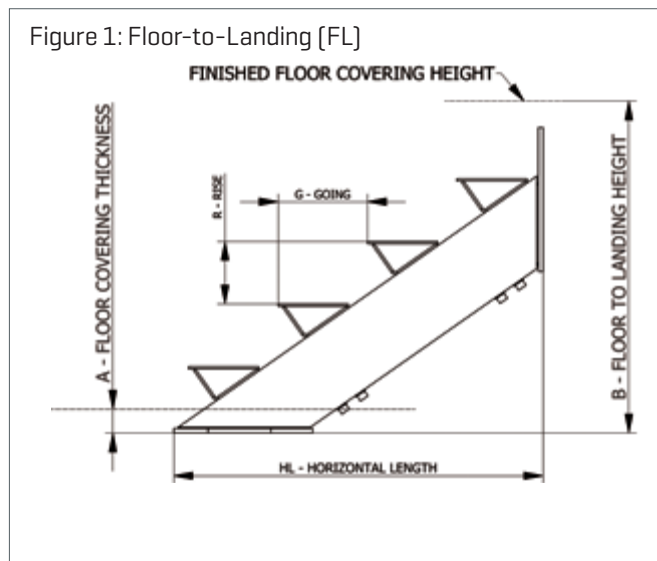
ENGINEERING CERTIFIED • INTERNAL & EXTERNAL • EASY INSTALLATION

The Weldlok® Mono Stringer is an aesthetic residential solution for internal or external stairs in today's modern open plan living spaces. The Weldlok® Mono Stringer is certified to meet the Building Code of Australia [BCA] and all relevant Australian Standards.

WELDLOK® MONO STRINGER ORDERING GUIDE

Ordering a **Weldlok® Mono Stringer** is simple. Use this Selection Guide to help complete the Specifications Checklist to build your Mono Stringer.

1. Determine if the stringer is required Floor-to-Landing (Figure 1) or Landing-to-Landing (Figure 2); or both.
2. For Floor-to-Landing, what are the Finished Floor Heights including tiles and other floor coverings above the base floor level? For Landing-to-Landing, what is the Face-to-Face distance?



Note 1: Finished Floor Heights are critical to ensure the even spacing of tread risers for comfort, standards compliance and quality appearance.

Note 2: Dimension C in figure 2 can be calculated if dimensions A and B are known. Contact Weldlok to obtain dimension C and confirm ability to install.

3. Calculate the number of steps [Risers] for your Weldlok® Mono Stringer:

Total Height (B)		Horizontal Length (HL)		Number of Risers (QR)	Number of Treads (QT)	Rise (R)		Tread Thickness (TT)		Going (G)	
Min	Max	Min	Max			Min	Max	Min for 168 (R)	Min for 185 (R)	Min	Max
504	555	511	559	3	2	168	185	45	60	236	236
672	740	751	824	4	3	168	185	45	60	236	236
840	925	991	1088	5	4	168	185	45	60	236	250
1008	1110	1231	1352	6	5	168	185	45	60	236	250
1176	1295	1471	1616	7	6	168	185	45	60	236	264
1344	1480	1711	1880	8	7	168	185	45	60	236	264
1512	1665	1950	2145	9	8	168	185	45	60	236	243

3. Continued...

Total Height (B)		Horizontal Length (HL)		Number of Risers (QR)	Number of Treads (QT)	Rise (R)		Tread Thickness (TT)		Going (G)	
Min	Max	Min	Max			Min	Max	Min for 168 (R)	Min for 185 (R)	Min	Max
1680	1850	2190	2409	10	9	168	185	45	60	236	243
1848	2035	2430	2673	11	10	168	185	45	60	236	257
2016	2220	2670	2937	12	11	168	185	45	60	236	257
2184	2405	2910	3201	13	12	168	185	45	60	236	236
2352	2590	3150	3466	14	13	168	185	45	60	236	236
2520	2775	3390	3730	15	14	168	185	45	60	240	250
2688	2960	3630	3994	16	15	168	185	45	60	240	250
2856	3145	3870	4258	17	16	168	185	45	60	240	264
3024	3330	4110	4523	18	17	168	185	45	60	240	264

Note:

- > All Weldlok® Mono Stringers have a 35 degree slope for improved comfort in a residential application.
- > Weldlok® recommends a minimum finished functional tread thickness (FT) of 45mm.
- > The maximum permissible gap between treads is 125mm. This can be achieved by adding a nosing as shown in Figure 3.
- > This table ensures that your Mono Stringer meets the Permissible Slope Relationship of (2 x R+G) as defined in AS1657 and the Building Code of Australia.

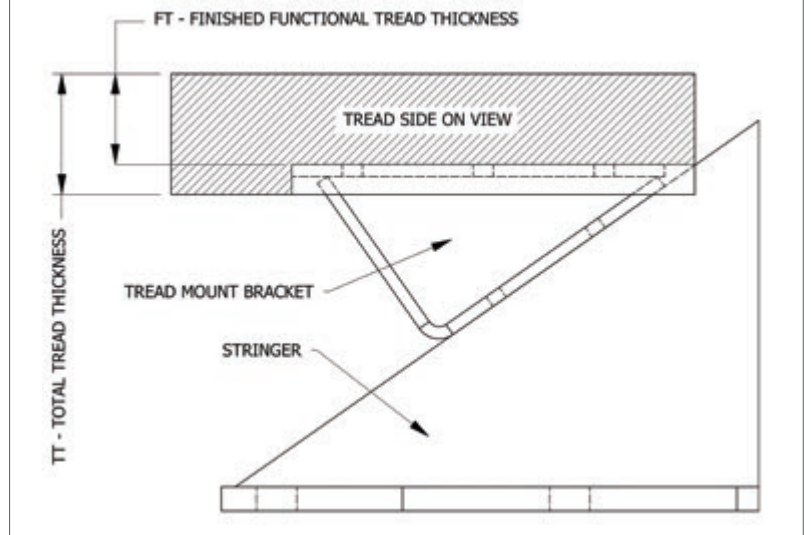
4. What is the Finished Functional Tread Thickness (FT)?
[If treads are customer supplied]

- > $180 - (45 + 125) = 10$.
A tread nosing is therefore required.

Important:

The functional tread thickness (FT) is the distance from the top surface to underside surface not including any nosing or skirting affixed to the front of the tread.

Figure 3: Tread Thickness including Nosing



5. Will the Weldlok® Mono Stringer be installed externally or in close proximity to moisture?

The Weldlok® Mono Stringer is available in a durable hot-dip galvanised finish recommended for external use where it may be subjected to rain or moisture.

6. Complete your Mono Stringer Specification Checklist on the form on the inside back cover.

FEATURES AND BENEFITS OF THE WELDLOK® MONO STRINGER

- > Simple design that provides an attractive architectural feature.
- > Complies with Australian Standards and the BCA. Certified for residential use.
- > Floor-to-Landing (FL) and Landing-to-Landing (LL) options for multi-storey dwellings.
- > Provides safe access to upper levels. Proof loaded to 3,200kg on 17 treads.
- > Range from 2 to 17 treads for vertical clearances from 504mm to 3,330mm.
- > Internal and external use.
- > Designed to suit stair tread dimensions of 900mm to 1,200mm in width, 250mm to 300mm depth and 45mm to 75mm thickness.
- > Finishes include untreated steel, powder coat, hot-dip galvanised and hot-dip galvanised then powdercoated. Note: Hot-dip galvanised finish is recommended for external use.



ARCHITECTURAL CONCRETE STAIR TREADS

The architectural concrete stair tread from SVC's Urban Design range is a slimline architectural stair solution that suits both internal and external applications. Paired with the Weldlok® Mono Stringer, it displays a minimal but modern look that matches many settings. Beautifully polished with an exposed stone aggregate, the stair treads are simple to install and are low maintenance once in place.

SVC architectural concrete stair treads were developed through hundreds of hours of research, refinement and rigorous testing. Treads are tested for slip resistance and are compliant with AS4456. When installed with the Weldlok® Mono Stringer, the treads are engineering certified to AS1657, AS1170 and the Building Code of Australia.

SVC PRODUCTS PTY LTD
 Civil infrastructure and urban, landscape & architecture products
 38 Japaddy St, Mordialloc, VIC 3195 AUSTRALIA
 T: 1300 287 782 | F: +61 3 9587 8493 | E: info@svc.com.au
www.svc.com.au/treads

For Concrete Stair Treads
 Technical Information
 and Maintenance
 Phone: 1300 287 782

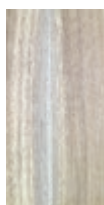


SVC Architectural Concrete Stair Treads are stocked in Parliament Grey. Other colours are available on request.
 Contact sales@svc.com.au.

ENGINEERED HARDWOOD STAIR TREADS

Timbeck architectural hardwood stair treads suit both internal and external Weldlok® Mono Stringer applications. This new product range has been designed, kiln dried and machined at Timbeck's factory and is the perfect way to showcase the natural features of timber.

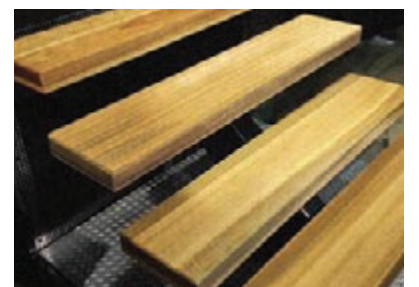
The treads have been designed as an engineered laminate that will suit both a traditional dual stringer and the Mono Stringer.



Spotted Gum (Corymbia maculata) is available ex stock
Type: Australian Hardwood. (Suitable for internal and external use).
Origin: Coastal districts from New South Wales and Victoria border to Maryborough.
Colour: Heartwood: Pale greys to dark browns and chocolate tones.
Durability: Class 1 – More than 40 years above ground weather exposed.
Janka Rating: 11 (Very Hard)
 Other timbers are available on request.

TIMBECK ARCHITECTURAL PTY LTD
 714 Old Gympie Road, Burpengary, QLD 4505 AUSTRALIA
 T: +61 2 9709 4466 (Sydney) | T: +61 7 3888 7788 (Brisbane) | F: +61 3 9587 8493 | E: info@timbeck.com.au
www.timbeck.com.au

For Hardwood Stair Treads
 Technical Information
 and Maintenance
 Sydney: +61 2 9709 4466
 Brisbane: +61 7 3888 7788





YOUR MONO STRINGER SPECIFICATION CHECKLIST:

Email completed form to: info@weldlok.com.au

			ITEM NO.
a. Kit Type (tick applicable) Please provide design or CAD Drawings and any other supporting information if available.	<input type="radio"/> Standard Kit 1	<input type="radio"/> Standard Kit 2	<div style="border: 1px dashed black; height: 40px; width: 100%;"></div>
	<input type="radio"/> Standard Kit 3	<input type="radio"/> Standard Kit 4	
	<input type="radio"/> Custom Kit		
b. Mount Type (tick applicable)	<input type="radio"/> Floor/Landing (FL)	<input type="radio"/> Landing/Landing (LL)	
c. Finished Floor Height - Base Floor	A = <input type="text"/> mm		
d. Finished Floor Height - Top Floor	B = <input type="text"/> mm		
e. Number of Treads (calculated as per Step 3, page 4)	N = <input type="text"/> each		
f. Finished Functional Tread Thickness (Custom tread only – Step 4, page 5)	FT = <input type="text"/> mm		
g. Location – Internal or External NOTE: We recommend hot-dip galvanised finish for external applications.	<input type="radio"/> Internal	<input type="radio"/> External	
h. Finish Options (tick applicable)	<input type="radio"/> Untreated <input type="radio"/> Hot-Dip Galvanised	<input type="radio"/> Powdercoated <input type="radio"/> Hot-Dip Galvanised then Powdercoated	
i. Powdercoat Colours	<input type="radio"/> Black – Matt <input type="radio"/> Black – Gloss <input type="radio"/> Nominated Colour <input type="text"/>		
j. Tread Options (tick applicable)	<input type="radio"/> Timbeck Timber Tread (Spotted Gum) <input type="radio"/> SVC Concrete Tread (Parliament Grey) <input type="radio"/> No Tread Required (or special order)		
k. Tread Length	<input type="radio"/> 1000mm	<input type="radio"/> 1180mm	
l. Balustrade Options	<input type="radio"/> Glass Balustrade Infill <input type="radio"/> Stainless Steel Wire Infill <input type="radio"/> Right Handside Balustrade	<input type="radio"/> No Balustrade required (customer source) <input type="radio"/> Left Handside Balustrade <input type="radio"/> Both Sides Balustrade	

Notes

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

Mastermesh®

Expanded and perforated metals

Galserv®

Hot-dip galvanising

National Sales Branches

New South Wales

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

Western Australia

98 Campbell Street
Belmont WA 6104
P: + 61 8 9478 1266
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

117-153 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

Information contained in this brochure is supplied in good faith and with the view to assist the user in the correct selection of our products. While every care is taken to ensure that the information contained in this brochure is correct, no warranty is made nor is any condition expressed or implied. As the use of products sold is beyond our control, a condition of purchase is that the purchaser accepts responsibility for ensuring that products purchased are suitable for the intended use. NEPEAN Building & Infrastructure is committed to continual product improvement and therefore reserves the right to change details and designs without notice. All dimensions listed in this brochure are nominal sizes.

© NEPEAN Building & Infrastructure, December 2017.



www.weldlok.com.au