

## About This System

The Lag Swage Bottlescrew System is a streamline stainless steel wire balustrade system for **straight** and **angled** sections using **timber** posts. This is a cost effective system for those who are on a strict budget but want a quality balustrade system.

**This method requires Hydraulic Swaging at an additional cost. Wire rope is costed per metre.**

Factory hydraulic swaging applies tonnes of pressure onto the fitting in order to secure the wire into the swage end of the fitting. When you order this system it will come pre-swaged to your specifications.

## Included With This System



M6x40mm  
Econ RHT Lag  
Screw Swage Stud  
(S7831R-030640)



5mm Econ  
Lag Screw/Swage  
Bottlescrew  
(S312LS-0503)

## Related Products



ProRig® Multi Tool  
(CSPAN-PR)

# Lag Swage Bottlescrew System

*For Timber Posts*



## D.I.Y

Scan this code with your smart phone to see our online installation video.



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# FAQ

## Can I install this method myself?

Yes, even someone with no experience can easily install all our wire balustrade systems.

## Do I need any special tools?

Because the Lag Swage Bottlescrew System arrives at your door pre-made from our factory you will only require common handyman tools such as an electric drill with 4mm and 7.5mm drill bits. You can purchase an optional ProRig Multi Tool for easier installation.

## What size and type of stainless steel wire do I use?

This method is almost always used with 3.2mm 1x19 stainless steel wire rope. This wire is the most functional for stainless steel wire balustrade systems due to its bright surface finish, attractive appearance, durability, strength and low stretch.

## What spacing do I need between my wires?

When using 3.2mm 1x19 stainless steel wire, you will usually need 80mm spacing (usually 11 runs) between your wires when using a standard one (1) meter high handrail. Visit [www.miamistainless.com.au](http://www.miamistainless.com.au) for more information on building regulations and requirements.

## Can I use this balustrade system on a stair or angled section?

Yes, the Lag Swage Bottlescrew System suits stair or angled sections. as long as the system is screwed into your timber posts at the same angle as the stair or ramp section.

## When using this system for timber posts, what size pilot hole should I drill?

You will require a 4mm pilot hole to a depth of at least 45mm.

## What size hole should I drill through my intermediate posts?

A 7.5mm hole through your intermediate posts will allow the swage stud pass through.

## What is the maximum length run I can do?

The Lag Swage Bottlescrew System can easily span up to 8 metres. Spans of up to 16 metres can be achieved by using a tensioner at each end, please contact Miami Stainless for further information.

## Can I take my balustrade wire around corners?

It is not possible with this system to take the balustrade wire around corners.

## STEP 1

Mark out and pre-drill all end posts with 4mm pilot holes at a depth of 45-50mm. Drill 7.5mm holes into all intermediate posts.

## STEP 2

Pre-thread the holes in one end post with the extra right-hand lag screw provided.

## STEP 3

Screw the right-hand threaded lag screw into the pre-threaded hole using a ProRig Multi Tool until the entire thread is embedded into the post.

## STEP 4

Remove the nut and body off the bottlescrew on the opposite end of the wire. Pass the wire through all intermediate posts and reattach bottlescrew fittings. Screw the bottlescrew into the opposite post using a ProRig Multi Tool.

## STEP 5

Tension the wires with a ProRig Multi Tool by inserting it onto the bottlescrew and turning the body. Lock the system by tightening the hex nuts against the body of the bottlescrew. For accurate and consistent tension you will require a tension gauge, however you can measure the tension by a deflection test.

## HELPFUL TIPS

### Make a Template



Make a template for marking out the holes on your post for consistency.

Scan this QR code with your smart phone to learn more.

### Use Grommets



Grommets can be used to stop wiring chaffing in middle posts (tube or square posts).

Please note: If you are using grommets, the required drill size for posts is 11/32".

For further information talk to our helpful Sales Consultants by emailing [info@miamistainless.com.au](mailto:info@miamistainless.com.au), calling **1800 022 122** or posting your question on our Facebook page at [www.facebook.com/miamistainless](http://www.facebook.com/miamistainless).