About This System

The Jaw Swage Bottlescrew System is one of our most popular streamline stainless steel wire balustrade systems for **stair** or **angled** sections. Available to suit both **timber** and **metal** posts, the Jaw Swage Bottlescrew System is perfect for high use areas where children, pets or guests may pull on the wires.

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

5mm Bottlescrew Jaw/Swage
(S312T-0503)

3.2mm Fork Terminal
(S7803-03)

6x60mm Screw Eyes
(S3182-0660)

Related Products

ProRig® Multi Tool
(CSPAN-PR)

Screw Eye Drive Bit
(SBIT-SE1)

Jaw 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?
For timber posts, the Jaw Swage Bottlescrew System only requires common handyman tools such as an electric drill with 4mm and 7.5mm drill bits. You can purchase an optional screw eye drive bit and 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) metre high handrail. Visit 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 Jaw Swage Bottlescrew System for timber posts is the most common system used for stair or angled sections.

When using this system for timber posts, what size hole should I drill for my screw eyes?
You will require a 4mm hole to suit the screw eyes.

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 Jaw Swage Bottlescrew System can easily span up to 10 meters. Spans of up to 16 meters can be achieved by using a tensioner at each end of the wire, 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 posts with 4mm holes at the required spacing. Intermediate posts require 7.5mm pre-drilled to allow the swage stud to pass through. You may require a shorter thread on your screw eyes as these can clash on thinner corner posts.

STEP 2

Insert screw eyes into all pre-drilled 4mm holes. Using a screw eye drive bit can cut down installation time.

STEP 3

Remove the pins from the fork terminals on your pre-fabricated wires and attach them to a screw eye in one of your end posts.

STEP 4

Remove the bottlescrew from the swage stud on the opposite end of the wire and pass through any intermediate posts. Reattach the bottlescrew and unscrew the body so that approximately 20mm is showing on both the left and right threads. This will allow you to remove the pin and place the bottlescrew on your screw eye. If this is still not long enough, simply unscrew the bottlescrew more.

STEP 5

With all your wires now attached you will be required to tension them. To tighten them simply turn your bottlescrew and tighten using a ProRig Multi Tool. 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**, calling **1800 022 122** or posting your question on our Facebook page at **www.facebook.com/miamistainless**.