

About This System

The ProRig Original Design Insert Swage Stud System is one of our most popular streamline stainless steel wire balustrade systems for **straight** sections using **timber** posts. This system is easily installed using pre-swaged wires in just a few steps.

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



M6x32mm RHT
Threaded Insert
(S3310R-0632)



M6x32mm LHT
Threaded Insert
(S3310L-0632)



M6x35mm RHT
Swage Stud
(S7801R-030635)



M6x35mm LHT
Swage Stud
(S7801L-030635)

Related Products



ProRig® Multi Tool
(CSPAN-PR)

Insert Swage Stud 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 Insert Swage Stud System arrives at your door pre-made from our factory, you will only require common handyman tools such as an electric drill, a 7.5mm drill bit and a 6mm hex head drive bit. 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) 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 Insert Swage Stud System can be used on a stair or angled section as long as the threaded inserts are screwed into your timber posts at the same angle as the stair or ramp section. It is recommended you prepare a drilling jig to assist with drilling your pilot hole.

When using this system for timber posts, what size hole should I drill for my threaded inserts?

You will require a 7.5mm pilot hole to a depth of at least 40mm. Finish off the pilot hole with a 1/2" counter sinking bit to allow the threaded inserts to sit flush with your posts.

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 Insert Swage Stud System can easily span up to 10 metres. Longer swage studs can be used to achieve runs up to 16 metres, 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 7.5mm pilot holes. It is recommended to drill holes 40-50mm deep and that the hole is countersunk to prevent splitting. Drill 7.5mm holes in all intermediate posts.

STEP 2

Use a 6mm hex drive bit to insert left hand threaded inserts into left hand end posts and right hand threaded inserts into right hand end posts.

STEP 3

Insert the right hand swage stud into the right hand post the minimum amount for it to hold. Remove the nut from the opposite end of the wire and pass through any intermediate posts. Reattach the nut and insert the left hand end of the wire into the left hand end post the minimum amount for it to hold. Tighten both ends evenly by rotating the wire in the same direction using a ProRig Multi Tool until desired tension is achieved.

STEP 4

Lock the system in place by tightening the hex nuts against the nut rivets. 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.