About This System

The ProRig Original Design Nutsert Swage Stud System is one of our most popular streamline stainless steel wire balustrade systems for **straight** sections using **metal** posts. By ordering factory inserted blind nut rivets into your posts, this system is easily installed 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

M6 RHT Nut Rivet
(SBRNR-064.0)

M6 LHT Nut Rivet
(SBRNL-064.0)

M6x35mm RHT Swage Stud
(S7801R-030635)

M6x35mm LHT Swage Stud
(S7801L-030635)

Related Products

ProRig® Multi Tool
(CSPAN-PR)

Nut Rivet Insertion Tool
(HN-02)

Nutsert Swage Stud System

For Metal 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?
The Nutsert Swage Stud System requires a nut rivet tool with both right and left hand mandrel assemblies for inserting nut rivets into pre-drilled holes. The HN-02 Nut Rivet tool is highly recommended and can be found on www.miamistainless.com.au. Alternatively you can order posts with blind nut rivets pre-installed. You will also require common handyman tools such as an electric drill and 7.5mm and 10mm 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) 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? No, the Nutsert Swage Stud System cannot be used on a stair or angled section. However you can use the Jaw Swage Bottlescrew System for metal posts.

When using this system for metal posts, what size hole should I drill for my blind nut rivets?
You will require a 10mm hole in your posts to suit the rivets.

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 Nutsert Swage Stud System can easily span up to 6 metres. Longer runs up to 12 metres can be achieved depending on your type of metal posts, 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 10mm holes and intermediate posts with 7.5mm holes.

STEP 2

Use the HN-02 nut rivet tool to insert all right hand nut rivets into right hand end posts and left hand rivets into left 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 roating the wire in the same direction using a ProRig Multi Tool until desired tension is acheived.

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

HN-02 Nut Rivet Tool

The HN-02 Nut Rivet Tool is perfect for installing nut rivets into metal posts.

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

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**.