

Tube Mount Balustrade Wire Installation Advice

This deck balustrade wire system is designed to fit neatly onto 42.4mm Ø tubular posts.

Each balustrade wire kit consists of :

- 4mm Ø 7x7 stainless steel wire rope to your chosen length.
- Two scalloped stainless steel mounting sockets.
- One compression ball.
- One adjustable tensioner with lock nut.
- Two stainless steel M6 screws.

Manufactured from 316 (marine) grade stainless steel, making this kit ideal for harsh outdoor conditions.

Preparation :

Before installation we would recommend you consult with your local building control.

Plan your project in advance to ensure you have the correct number of posts, wires and fittings remembering to take into consideration end post and corner post termination clearance and position.



Stainless steel wire cables should be spaced a maximum of 100mm apart.

Vertical posts should be spaced at recommended 1.5 metre intervals (up to a maximum of 2 metres apart) to ensure a strong frame.



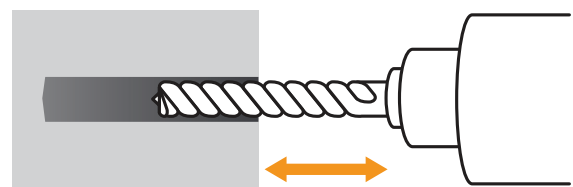
1 Getting Started

It is a good idea to layout your design onto the relevant surface with a pen or chalk prior to drilling any holes.



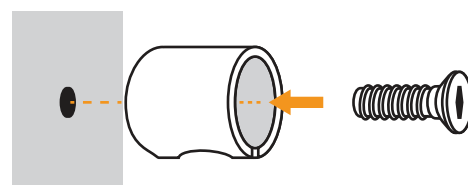
2 Drill & Tap Holes

You will need to drill and tap M6 holes into the posts to accept the socket and screw. ('tap' refers to the method of drilling a hole whilst adding an internal thread. A special drill bit is required to achieve this.)



3 Mount Hubs into Position

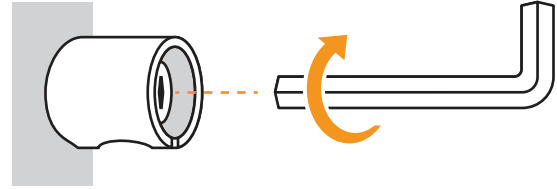
Thread a M6 screw through the centre hole of your socket and align to the post, with the socket opening pointing downwards (for a neat and tidy finish).



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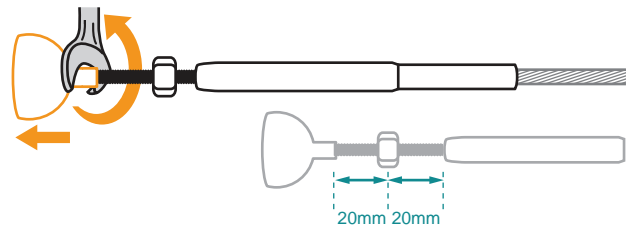
4 Fix Socket

Using a hex head key, tighten the M6 screw until your socket is securely fastened to the post.



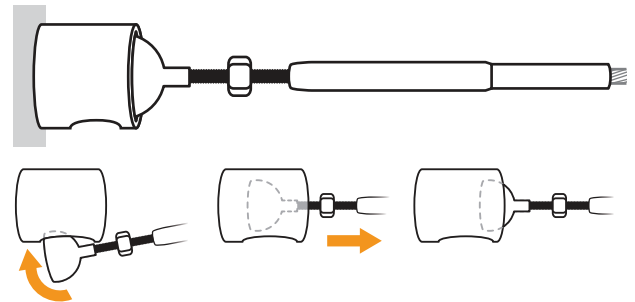
5 Prepare Pre-Fixed Ball End

Starting with the pre-fixed tension ball end, screw out the ball end to reveal approximately 20mm of thread, you will need this to apply your final wire tension once installed. Each wire has an adjustment of plus or minus 20mm.



6 Mount The Pre-fixed Ball End

Place the pre-fixed tension ball end into the mounting hub.

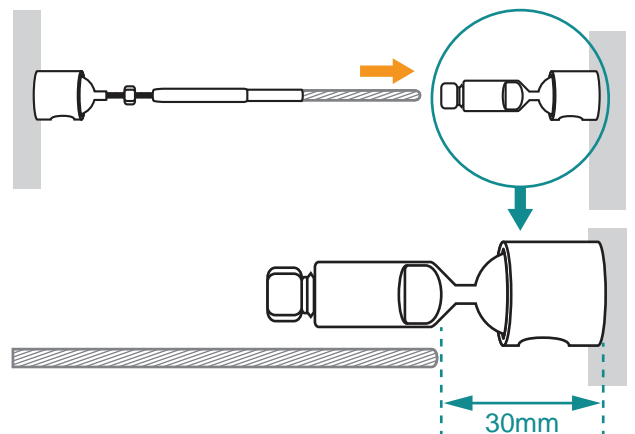


7 Mark Wire for Cutting

Place the DIY ball compression fitting into the opposite mounting hub and pull the wire over and align to the spanner flat of the DIY compression fitting.

Mark your wire ready for cutting with either a pen or chalk.

Note: The stand off from the mounting hub is 30mm.

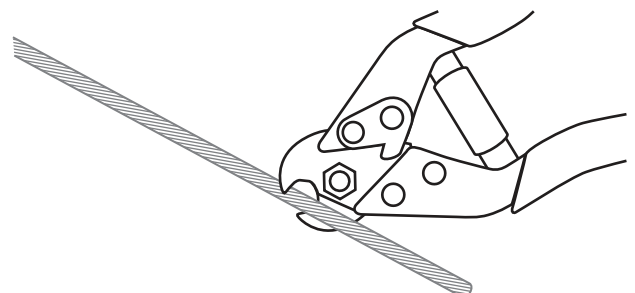


8 Cut Wire

Cut your wire to required length, we recommend using a set of good wire rope cutters to give you a neat and tidy cut.

Remember - Measure Twice, Cut Once!
Please be as accurate as possible.

Each wire will have an adjustment of plus or minus 20mm.



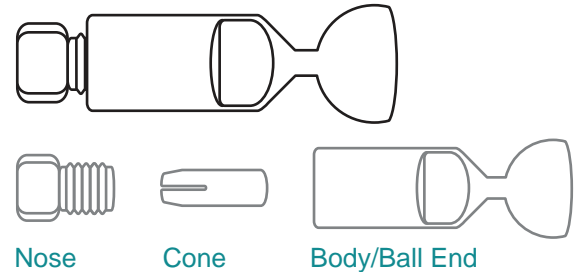
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9 DIY Compression Fitting

You are now ready to attach the DIY end fitting.

The first step is to take apart your DIY compression fitting.

Simply unscrew the nose piece and remove the cone from inside.



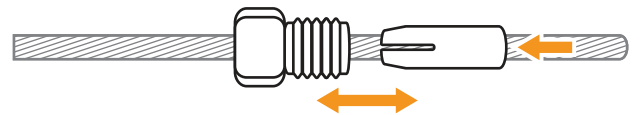
10 Thread Nose Piece onto Wire

Taking the blank cable end place the nose piece over the stainless steel wire rope (ensuring the thread end is towards the end of your wire).



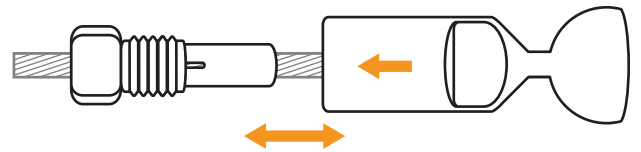
11 Thread Cone onto Wire

Thread the cone onto the wire and push into the threaded cone chamber.



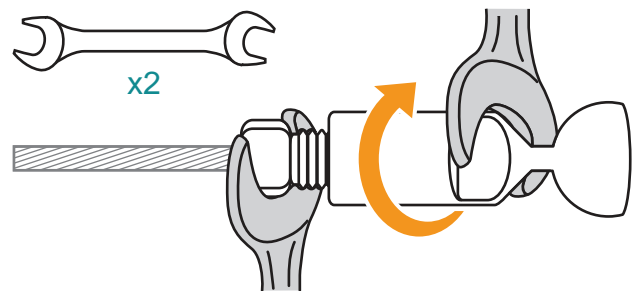
12 Place Ball End onto Wire

Take the stainless steel body and push onto the wire, eventually bringing the three component parts together. Turn in opposite directions to thread them together.



13 Secure Ball End Fitting

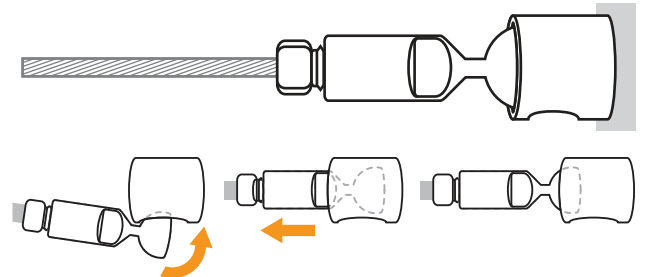
Using a pair of 8mm and 9mm spanners screw the two sections together until tight.



14 Mounting Ball End Fitting

Insert the DIY ball end fitting into the fixing hole of the hub.

Note: if you require more slack in your wire to insert the DIY end simply return to the fixed end ball and unscrew to expand to the required length.



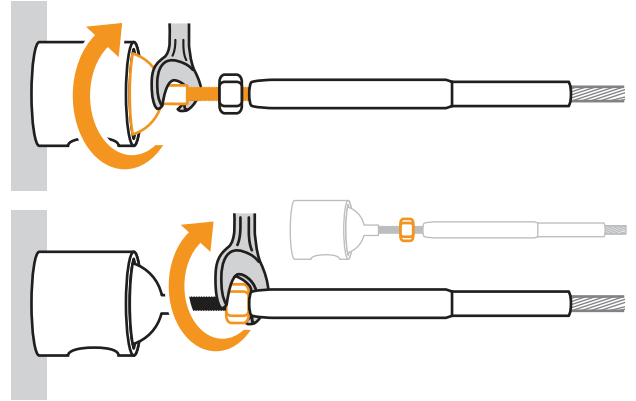
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15 Tension Wire

Returning to the pre-fixed ball end, simply screw the threaded ball end fitting in to achieve the desired wire tension using a 5mm spanner.

Once you have tensioned the wire simply tighten the lock nut into place using a 10mm spanner.

Important - do not allow the wire rope to be twisted.

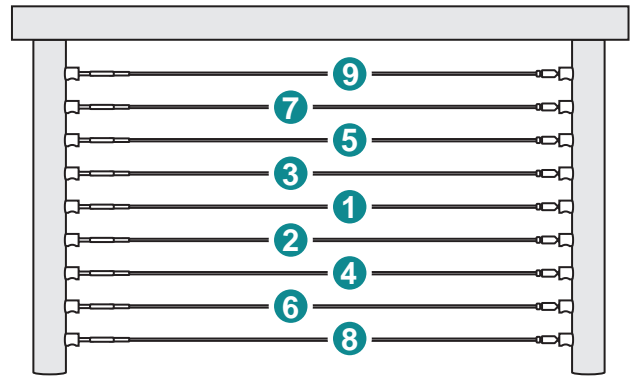


Tensioning Sequence

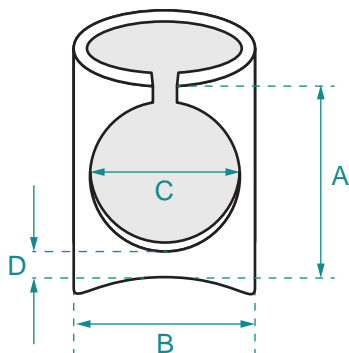
To tension the balustrade wires, we recommend starting from the centre and working out.

Do not fully tighten individual wires as this will create uneven tension throughout your system, just tighten enough to hold in place.

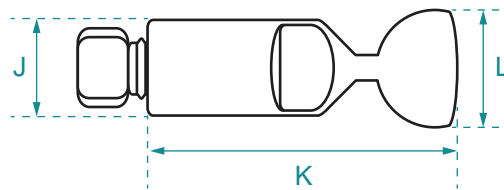
Once all your wires are installed, tighten each wire in turn by slight increments to achieve a solid and fully secure finish.



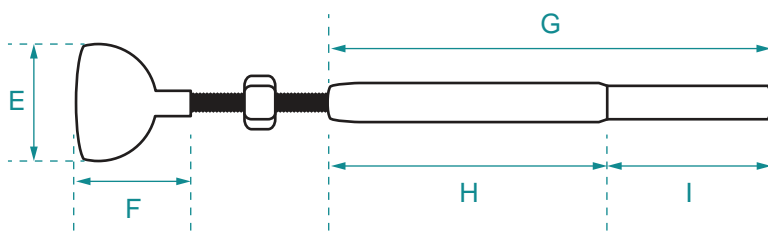
Product Dimensions



- A 22 mm
- B 22 mm
- C 15.5 mm
- D 5 mm



- J 12 mm
- K 35 mm
- L 16 mm



- E 16 mm
- F 17 mm
- G 95 mm
- H 55 mm
- I 40 mm