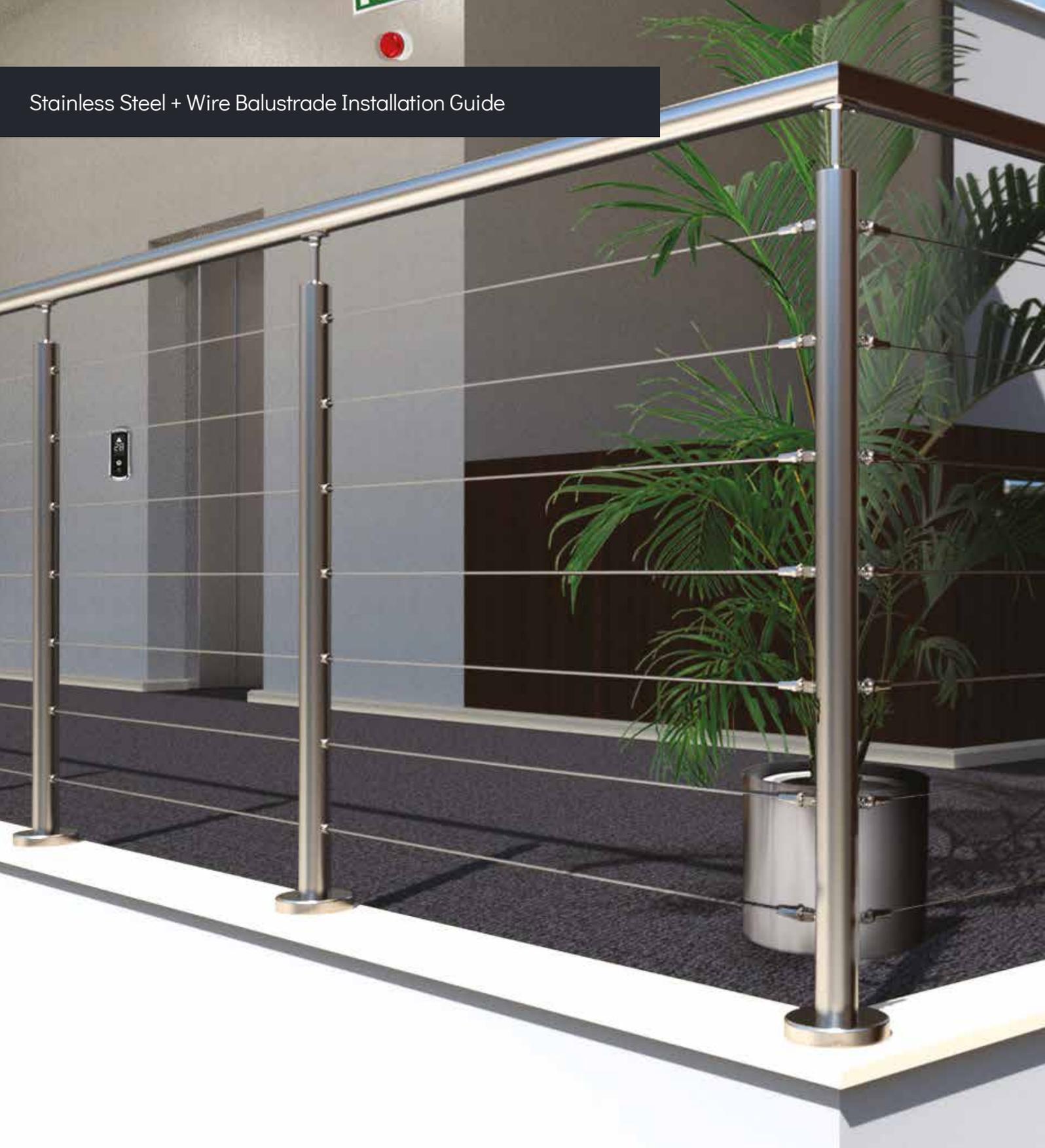


Stainless Steel + Wire Balustrade Installation Guide



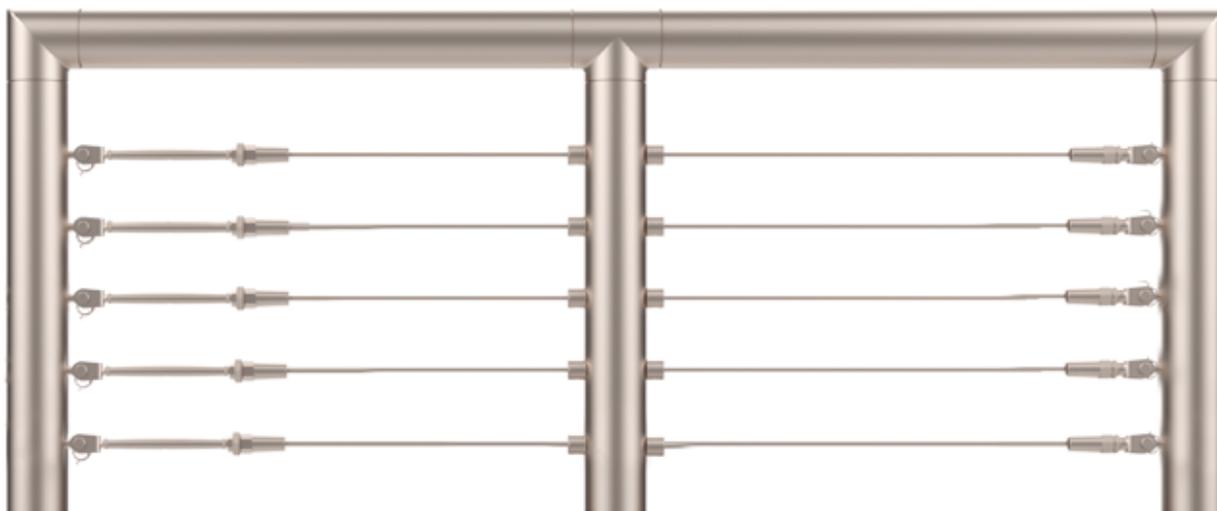

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COMPOSITE DECKING & CLADDING
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Stainless Steel + Wire Rope Balustrade

As part of our range of balustrade products, we have offer a wire rope infill which can be used to offer a long-lasting, contemporary appearance to your balustrade or handrail project. Wire rope systems are also perfect for offices and industrial use and are available with Ø 3mm wire rope.

To make life easy we offer the choice of using our pre-assembled or make your own posts. The wire can be passed through or fixed to the front face of the posts. Our comprehensive instructions are designed to assist in your selection of the perfect system for your project.

Measuring and Cutting Wire.....	Page 3
Swageless In Line System Using Pre-Assembled Posts.....	Page 4
Care & Maintenance.....	Page 8

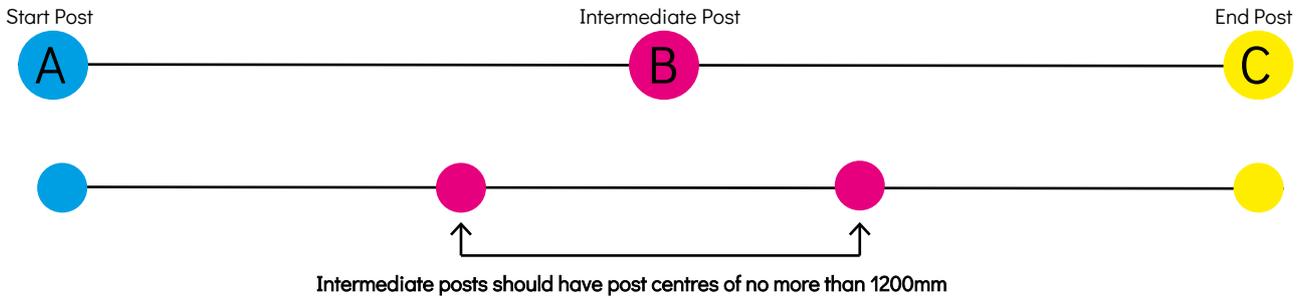


Disclaimer: Please note, that we cannot give accurate measurements on cutting instructions as we do not know the exact situation of installation. Ecoscape UK holds no responsibility for any errors made in installation and we advise you take caution in installation.

Great care should be taken not to contaminate new stainless steelwork during installation. Any work carried out in the vicinity should be done with due consideration to the care of the stainless steel product and it should not come into contact with mild steel.

In addition to knowing which of our components to use to create a wire rope system, it is equally important to know how to properly measure the wire to create the right amount of tension. Below are a few suggestions you might like to try when measuring and cutting the wire to fit.

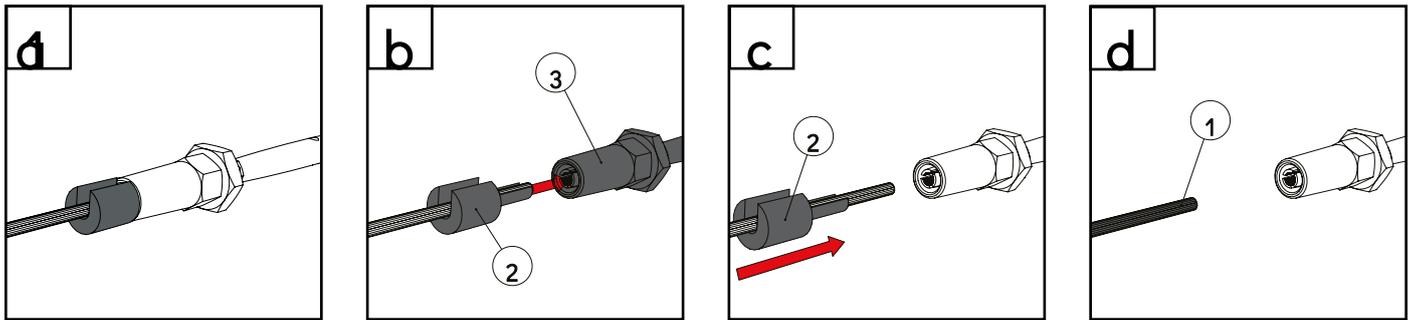
The diagram below applies for systems that require crimping, also known as 'swaged'. The wire will need to be roughly measured beforehand, on a clean, flat surface, as once the component is crimped you will be unable to remove the wire from the component. Therefore, it is important to get a rough idea of the length of wire you will require. Measure the length of a run from the inside of the start post to the corresponding side on the end post and allow a little extra. When your termination post is a corner, always over estimate when measuring wire.

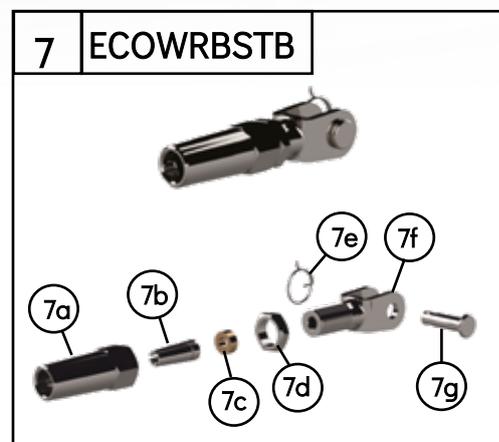
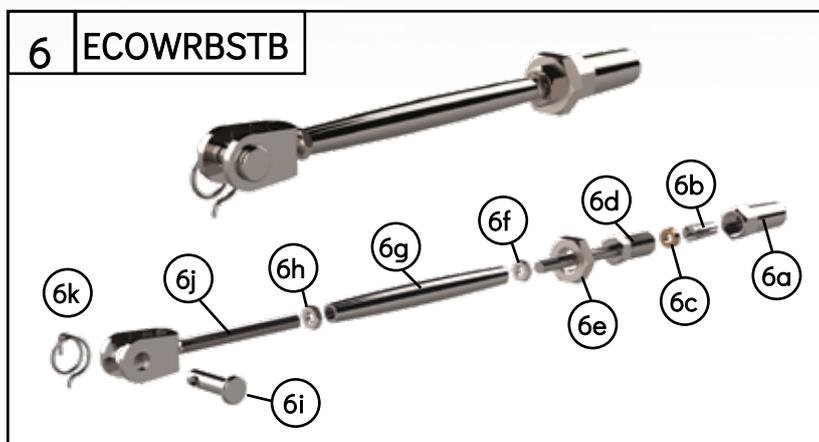
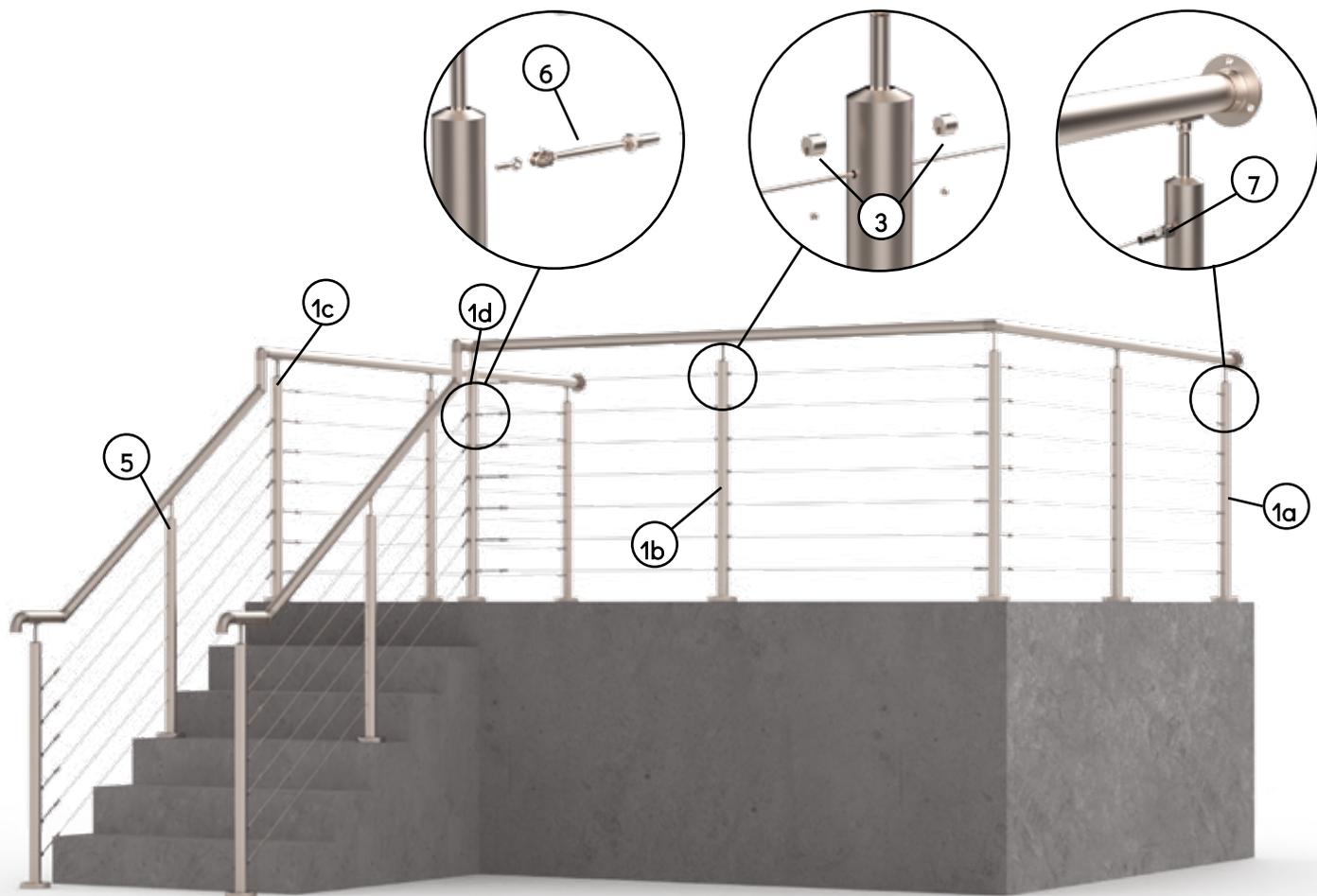


Swageless Systems (no crimping required)

When measuring and cutting the wire for swageless systems that do not require crimping, refer to individual instructions on where to cut the wire. Our swageless systems can be refitted if required using our handy release tool (code: **ECOWRBRT**) which has been designed to remove the wire if an error has been made or the wire is too long to tension correctly. As this option is available for the swageless systems, it does not require the same steps as above for the swaged method, and can be marked with a pen for quick assembly. Look out for the symbol when knowing when to measure and cut. We recommend using our wire cutting tool (code: **ECOWRBCT**) the wire and if the wire frays after cutting, simply twist in the direction of the wire and it will go back into place.

ID	Description	Code
1	Wire Rope	ECOWRPW310 / ECOWRPW350 / ECOWRPW3100
2	Release Tool	ECOWRBRT
3	Swageless Component	ECOWRBSPB / ECOWRBSTB



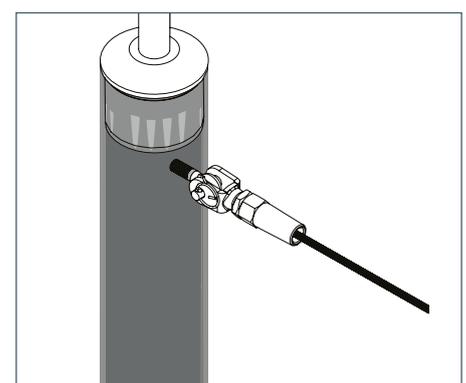
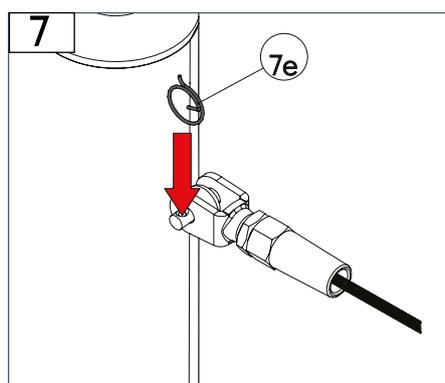
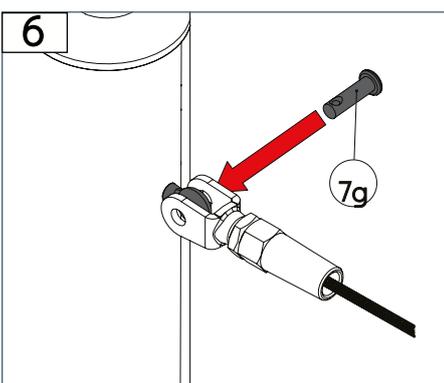
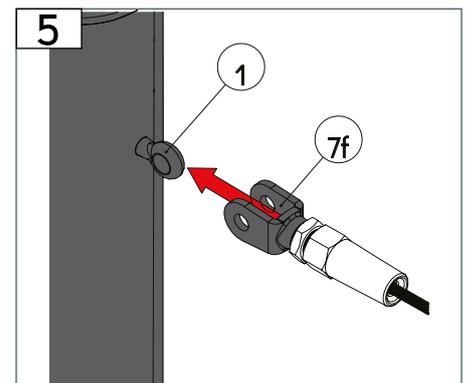
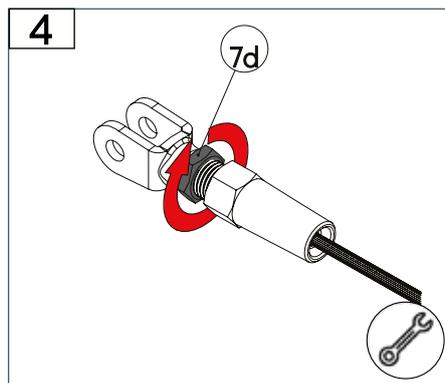
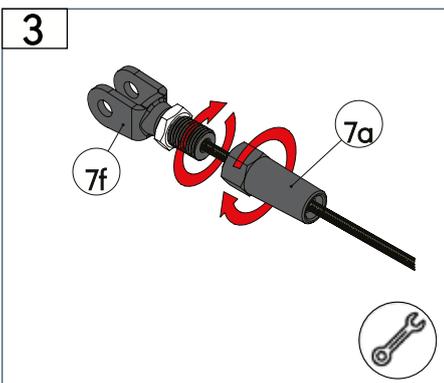
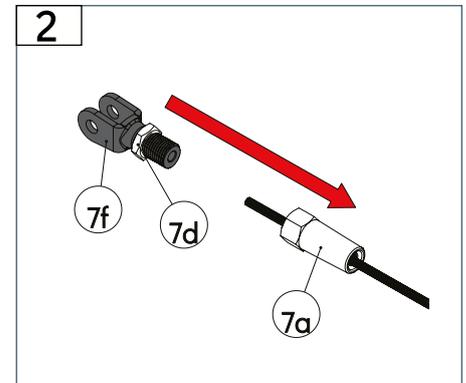
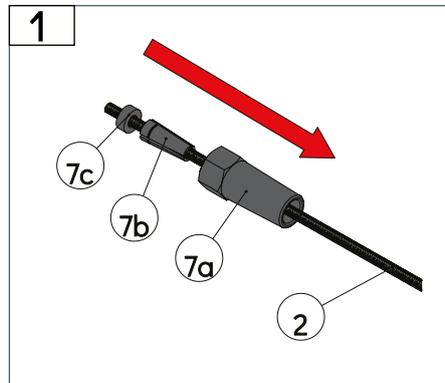
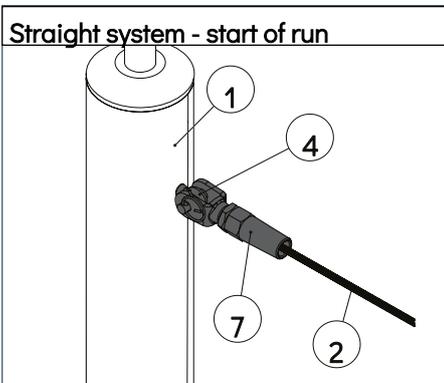


System 1 Components

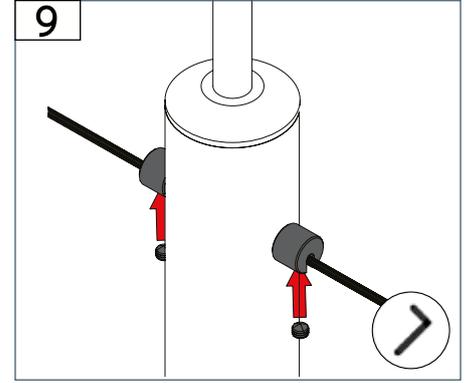
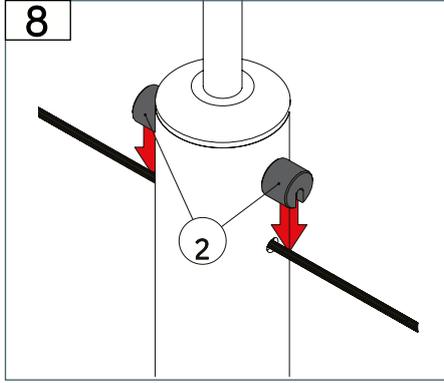
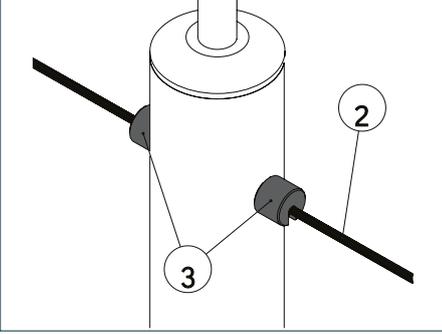
ID		Description	Size	To Suit Wire Ø mm	Code
1	a	7 Hole End/Mid Posts (M6 Eyebolts)	Ø 48.3mm	3	ECOWRBEMP7
	b	14 Hole Mid Straining Post (M6 Eyebolts)			ECOWRBMP14
	c	14 Hole Mid Post (6mm Through Holes)			ECOWRBMP14H
	d	14 Hole Corner Posts (M6 Eyebolts)			ECOWRBMP14
2	Wire Rope		10m	3	ECOWRPW310
			50m	3	ECOWRPW350
			100m	3	ECOWRPW3100
3		Locking Collar	N/A	3	ECOWRBLC
4		Eyebolt Connector	M6	3	ECOWRBEB
5		Bespoke Posts	Ø 48.3mm	3	-
6		Swageless Cable Tensioner	N/A	3	ECOWRBSTB
7		Swageless Buckle	N/A	3	ECOWRBSPB

All components are stainless steel Grade 316.

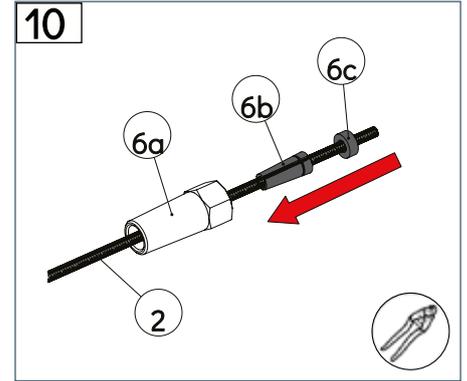
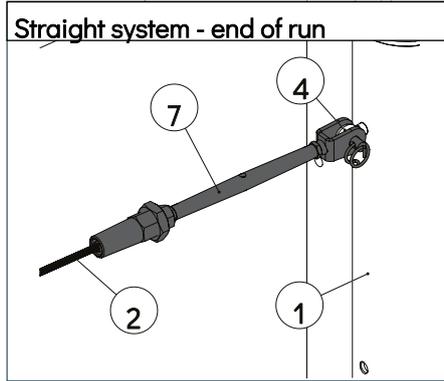
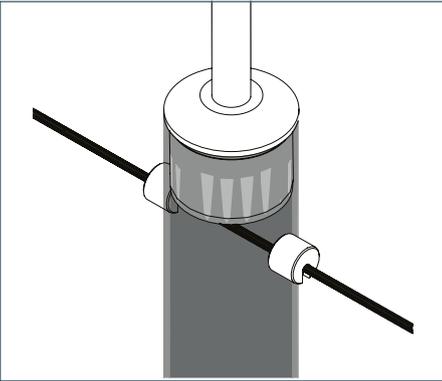
Description	Symbol	Information
Drill		To pre-drill and tap posts to suit components
Saw		For cutting posts when building your own posts for straights or rakes
Wire Cutting Tool		To trim wire use code: ECOWRBCT
Instant Adhesive		Use code: ECOWRBIAG as an instant adhesive gel for uniform stress distribution. Supplied with plunger for accurate application
Allen Key		To fix grub screws into locking collar code: ECO02AK
Spanner		To tighten nuts in wire rope components
Screwdriver		To tighten and create tension in the wire



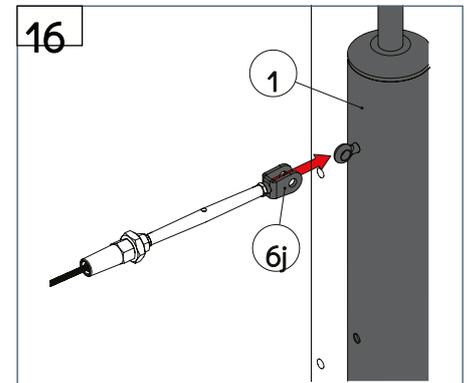
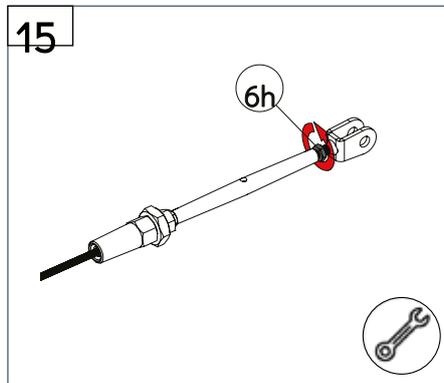
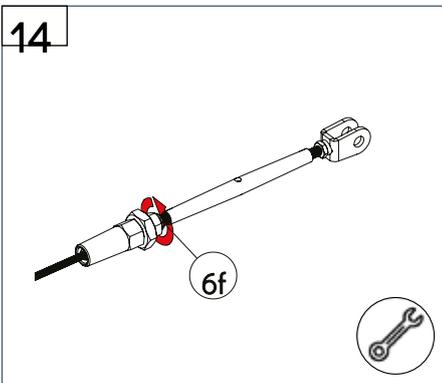
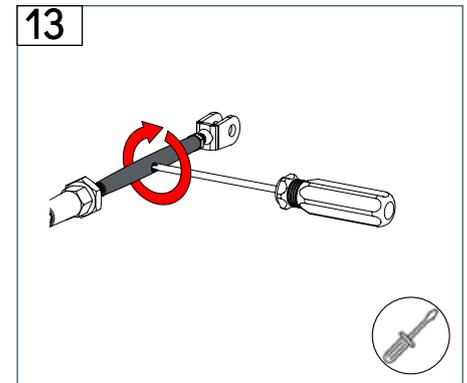
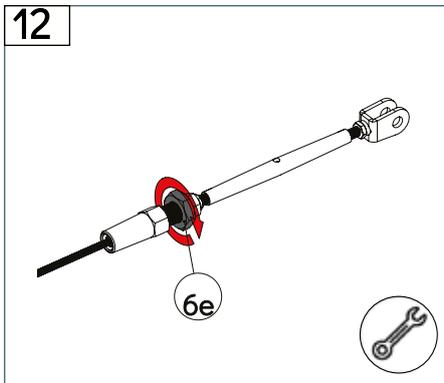
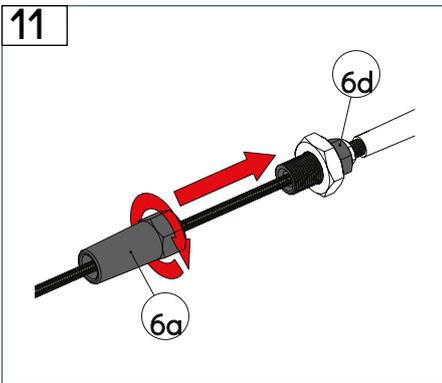
Straight system - intermediate

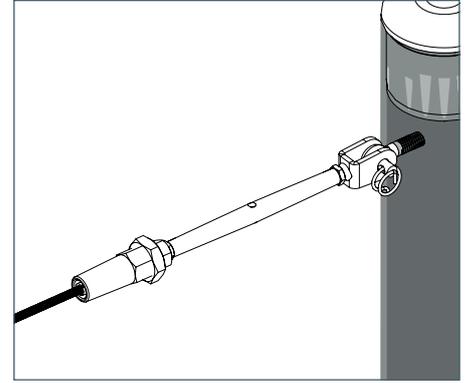
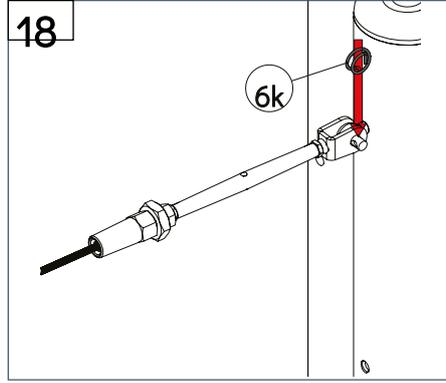
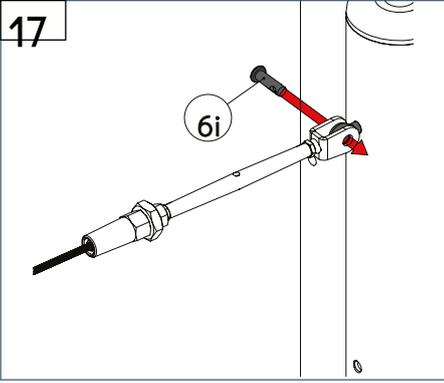


Loosely fix the locking collars between the intermediate posts and tighten at end.

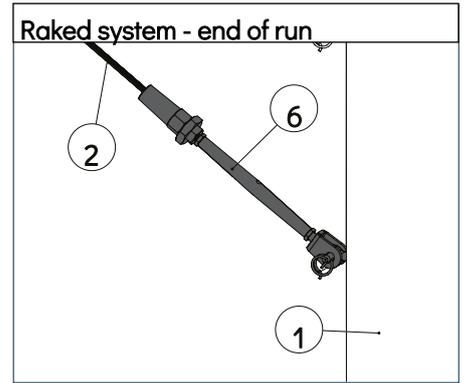
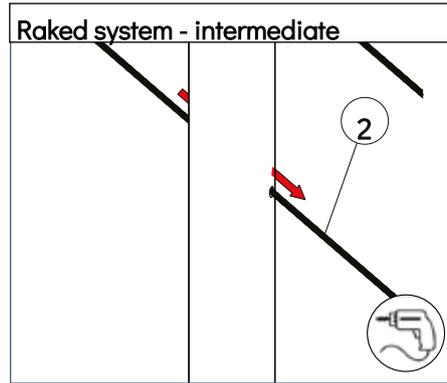
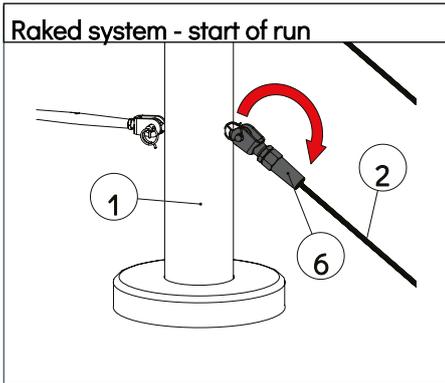


Measure with components up to post and cut the wire to a rough estimate.

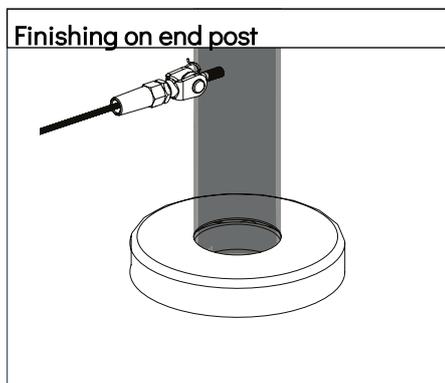
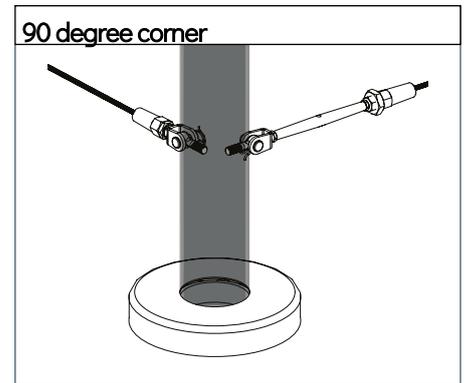
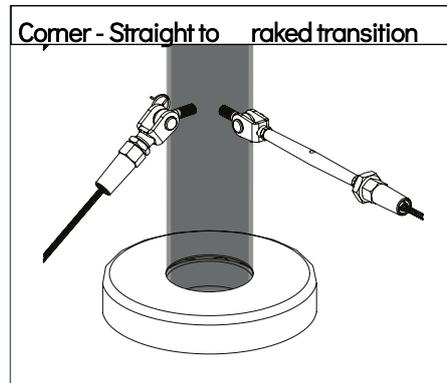
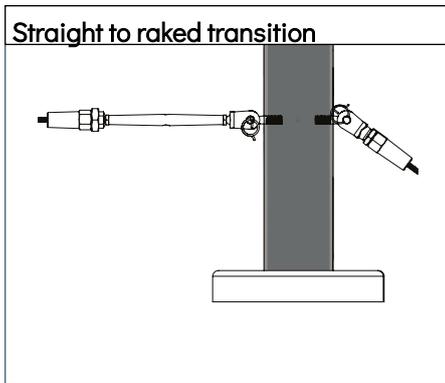




If tension is not correct after intermediate wires have been tightened. Use release tool, cut wire and redo.



If tension is not correct after wires have been tightened. Use release tool, cut wire and redo.



Our wire rope systems look stylish and professional. It is important for customers to carry out maintenance from time to time to uphold this appearance for years to come.

Care & Maintenance

Stainless steel is often selected for corrosion resistance and appearance. However, the term stainless is somewhat misleading as stainless steel will discolour or stain over time due to surface deposits. It may stain less, but it will still stain and should be treated correctly to avoid contamination.

The amount of cleaning required will vary according to the finish; local conditions, location and use, and therefore it is not a maintenance free product. To gain the maximum resistance against corrosion, cleaning must be carried out on a regular basis, resulting in good performance and a long life.

Basically, the only rule is that if the metal is dirty, then it should be cleaned to restore its original appearance.

For external stainless steel Grade 316, we would recommend that inspection and maintenance should be carried out every 6 – 12 months depending on location and appearance requirements.

There are a number of cleaning agents available which are safe to use when manufacturers instructions are followed, however if used incorrectly (e.g. too concentrated) they may cause discolouration or even corrosion. Stainless steel will not wear out from excessive cleaning.

During Assembly

We suggest sealing with our clear general purpose silicone. Disassemble the component, fill the cavity and jaw housing with the sealing component and assemble again. This should be repeated until the silicone emerges from the hole through which the cable is inserted, after which you should clean the terminal.

Check the terminal regularly for damage. Regularly check the seal and if broken proceed by removing all the silicone, rinse the terminal with fresh water and then treat with WD40. Proceed to resealing the terminal with the silicone.

Further Cleaning for Stainless Components

1. Basic cleaning can be done simply with warm water and a lint free cloth, then dried with a soft cloth to prevent streaks. Wipe in the direction of the polish lines.
2. Add a mild detergent to warm water for dirtier stains.
3. Finger prints can be removed with our stainless cleaning wipes or glass cleaner. Alternatively, rinse and dry with a soft cloth.

Further Cleaning Products:

3 part tea staining treatment cleaner kit (code: **ECO02TSTK**) is especially suitable for maintenance of aesthetic stainless steel objects; the protect spray provides protection and a natural shine.

Loctite 7063 cleaner (code: **ECO02SSCR**) degreases and cleans surfaces ready for gluing, which could be helpful with our swaged components that require the instant adhesive (code: **ECOWRBIAG**).

For further information, please see the British Stainless Steel Association Recommendations for Care & Maintenance

Please refer to BSSA Information Sheet No.7.20 entitled Care & Maintenance of Stainless Steel.
www.bssa.org.uk or telephone 0114 267 1265.

Safety Data Sheets and Testing

[LOCTITE® 454 Instant Adhesive](#)

[LOCTITE® 5366 Clear General Purpose Silicone](#)

Stainless Steel + Wire Rope Balustrade

