

Fitting and Best Practice for TECNI Swageless Terminals

Swageless terminals are a popular and perfect alternative to swaged fittings for marine, architectural, structural tensioning and display applications when swaging facilities are not available or possible, and you want to make the cable assemblies up on site. They can be assembled quickly and easily by hand using spanners, and when correctly assembled on stainless steel cable, they are at least as strong as the cable itself.



TECNI has a complete range of self-assembly, A4-AISI 316 marine grade stainless steel, swageless terminals - eyes, jaws, studs and toggles - all suitable for use with 1x19, 7x7 and 7x19 stainless steel wire rope.



Important to note, TECNI's swageless terminals do not hold the breaking load when used with galvanised cable, so should only be used with stainless steel cable.

How to Assemble and Fit Swageless Terminals

Open up the fitting to reveal the four parts as shown.



From left right: Head; Brass pressure ring; gripping cone; conical housing.
Cut the wire to length and make sure the edge is square. A clean cut will assist assembly.

Slide the conical housing in place on the cable. Next slide the gripping cone onto the cable leaving some space between the two sections.



Place the brass pressure ring on the end of the cable. Make sure that the distance from the pressure ring to the end of the cable is 5mm.



Slide the housing over the gripping cone.

The terminal can now be assembled.

Screw the head firmly to the housing with a spanner. Then tighten the lock nut firmly with a spanner.



The fitting is now assembled correctly.

All swageless fittings are assembled in the same way.

Safe Use and Best Practice

- The terminal **MUST** be tightened again after the first dynamic load.
- The terminal was developed for use with stainless steel 1x19, 7x7 and 7x19 cable. If used with stainless steel coated cable, the coating must be stripped before assembling for full strength.
- **Is is NOT suitable for use with galvanised steel cable or for coated galvanised steel cable.**
- The breaking strength of the assembled swageless terminals is approx 80-100% of the cable's breaking strength when used with stainless steel cable.