



## ***Fast Facts: How to Lock Wire***

### **1. Lock Wire**

The only lock wire approved for use in aviation, aerospace, military and motor sports complies with the military specification MS20995C, commonly known as aviation grade. The most suitable lock wire for kart sport is 0.032 inches (0.81mm) diameter non-magnetic stainless steel supplied in a blue container. This lock wire provides the benefit of properly securing safety critical fittings.



### **2. Tools**

Lock wire can be fitted with ordinary pliers, a pig-nose tool, or wire twisting pliers. A pig-nose tool twists, but never over twists, the wire. Wire twisting pliers or a pig-nose tool are optional for kart sport. Ordinary pliers can be used for making tight loops, twisting and cutting the wire.



### **3. Method**

- a. Drill a 1.5mm hole through the bolt head or pin.
- b. Thread wire through the hole or around a fixed object and twist clockwise (7-9 twists per 25mm).
- c. Thread the wire through the next bolt head. Ensure tension on the wire is in the direction that tightens the bolt.
- d. Pull tight and then twist anti-clockwise for 25mm.
- e. Trim and bend over the end to avoid leaving an exposed sharp spike.
- f. Do not re-use lock wire. Do not use plain steel wire.

