

# Tyre Fitting Tool Instructions

Any questions email [ordinarysupplies@gmail.com](mailto:ordinarysupplies@gmail.com)



**The machine.**

Jacking screw at the top.  
Tension bar mid way.  
The guide rollers.  
Wire clamps at the bottom.



Cut rubber with overlap.  
Rubber length is  $3.24 \times$  diameter.



Push wire through. (lard make good lubrication).  
Use a lube that will not affect the rubber. De-  
burr the end and straighten wire. 200mm (8")  
excess showing.



Bend wire at each end as shown.



Both ends done.



Remove clamps as shown.



Fit the wire through the tension bar.



Note wire passes either side of the clamp bolt.  
Note clamp behind.



Fit the clamps but do not tighten.



Fit the fastlok clamps. Small hole first over the wire.



Tension the tyre with the jacking screw. At the limit lock the clamps as shown.



With the clamps locked lower the tension bar with the jacking screw.



Push the fastlok clamp down and loosen the wire clamp. Use the jacking screw for another pull. Repeat as necessary.



Once the tyre is firm on the rim prepare to join wire. Do not over tension. The machine is capable of enormous pressure. Back off tensioner 4 turns and slip the tyre off.



4 turns back in and ready to join.



Cut the wire.



Pull the cut ends back.



Manipulate the wire to minimise the gap between them.



Minimise the gap between the wires.



I use easiflo silver solder and MAPP gas torch.



Minimise the gap between the wires.



Brazing done.



Release the lower clamps and pull machine free.  
The compression of the rubber pushes it closed.



A push completes the job.



Roll/ snap the tyre on to the rim. Bigger wheels use tape or an assistant to get it back on.



Cut the wire so there is a straight stub left and knock the wire through the fastlok clamp to reuse it.



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