

# numnuts®

Instruction Manual



Don't like reading manuals?  
Head to [www.numnuts.store/  
videos](http://www.numnuts.store/videos) to watch our quick guides.

Thank you for purchasing Numnuts!

By choosing to use the Numnuts system you are being proactive in your approach to animal welfare. We have spent the last 8 years developing Numnuts with the aim of improving the well-being of farm animals during the marking process. We hope you enjoy using it and the positive effect we have seen with livestock during our trials.

We welcome any feedback, and if you have any further questions please feel free to contact myself or visit the website:

[www.numnuts.store](http://www.numnuts.store)

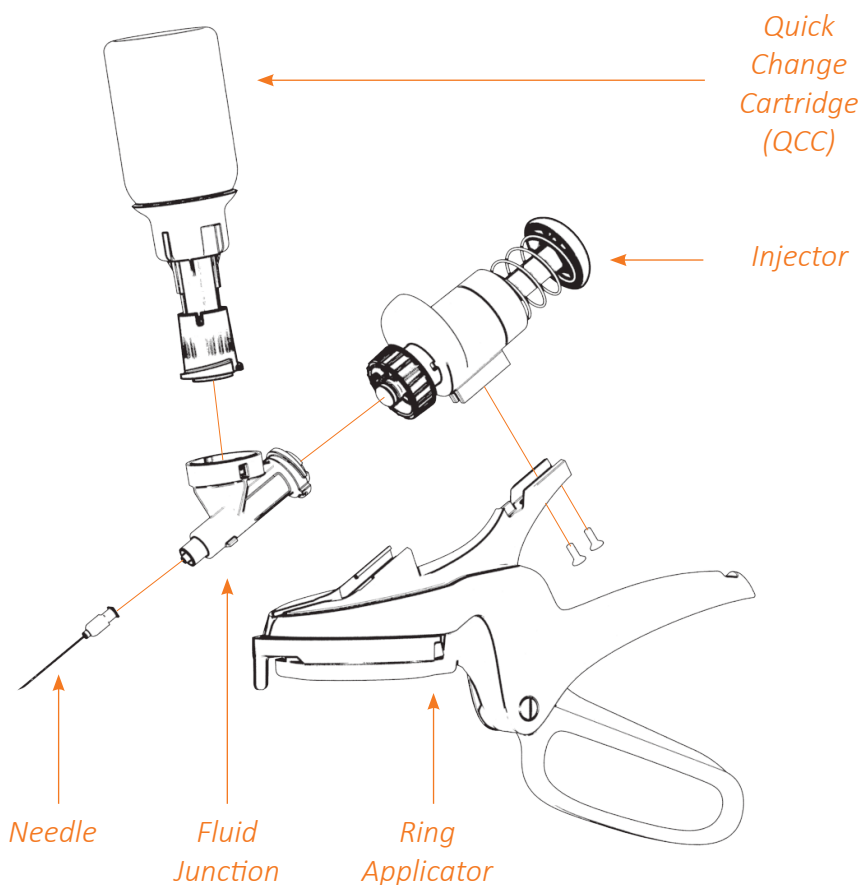
Happy marking!

**Robin Smith**

Numnuts | Founder

[robin@numnuts.store](mailto:robin@numnuts.store)

## Contents of box



**1 x Numnuts Device**  
This includes fluid junction and injection mechanism

**1 x Quick Change Cartridge**  
Contains water for user to practice with before using NumOcaine on lambs

**1 x Box of 12 Needles**  
Specific to Numnuts device

**10 x Rubber Rings**

*In order to use Numnuts, you will need to purchase NumOcaine from your vet.*

# Maintenance

The tool and injector can be fully immersed in hot, soapy water and cleaned with a brush.

The fluid junction can be removed and cleaned in hot, soapy water. Once cleaned add some vegetable oil to the O-rings to help keep the injector working smoothly. During normal operation, the anaesthetic should be sufficient to lubricate the injector.

*We recommend that you change the fluid junction and the injector o-ring after every season. Spares can be bought at [www.numnuts.store](http://www.numnuts.store)*

## Tools Required

2.5mm hex key to adjust needle distance

Needle nose pliers to remove old needles and secure new ones

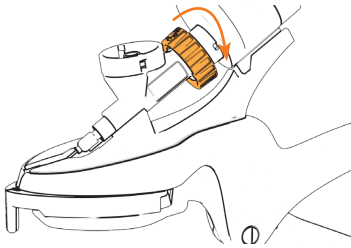


*We recommend using Numnuts on a Banana (or something similar) with the QCC filled with water to get used to the device before using on lambs.*

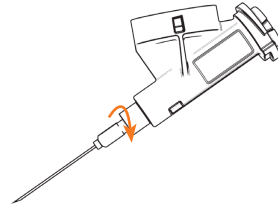


We recommend you change the needle after 130 injections (2 QCC's). Sharp needles cause less pain to the lamb. Spare needles are available at [www.numnuts.store/shop](http://www.numnuts.store/shop)

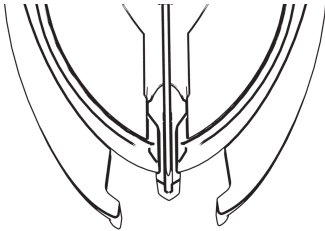
# Attaching the needle



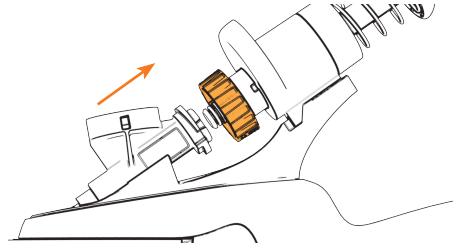
- 1 Detach fluid junction and needle from injector by rotating the orange lock nut and slide fluid junction forward to remove.



- 2 If old needle is already there, remove (this may require needle nose pliers). Screw needle onto fluid junction until finger tight.



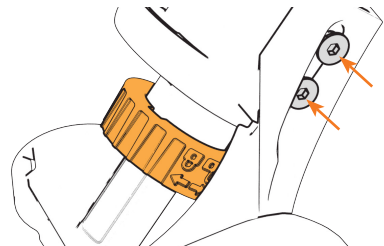
- 3 Squeeze device trigger to open front pins and place needle into the front pin slot and fluid junction lugs with slots in device.



- 4 Slide fluid junction back into injection mechanism and secure by turning the orange lock nut until finger tight.

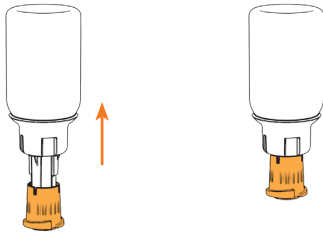


- 5 Check the position of the needle. When injector is fully retracted, the tip of the needle should be around 2mm inside the front pin.

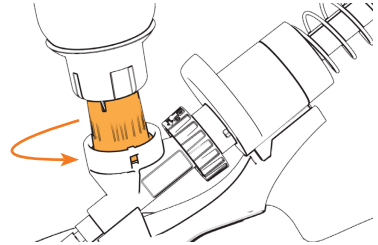


- 6 To adjust needle position, loosen the two screws under the injector (with a 2.5mm hex key), move accordingly and tighten to secure.

## Attaching the QCC



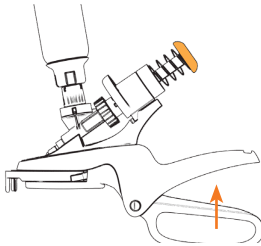
- 1 Press the orange collar down fully until you feel a click. It should not be able to be pulled back up again.



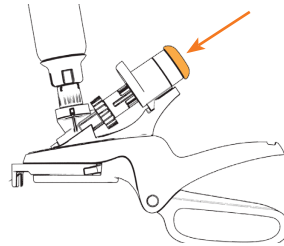
- 2 Place the QCC onto the fluid junction and twist the orange collar until tight.

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## Priming the device



- 1 Squeeze the device trigger to open the pins.

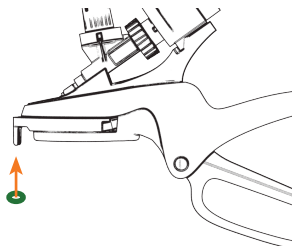


- 2 Fully depress and release the injector button. Repeat 1-2 times until fluid is present in fluid junction.

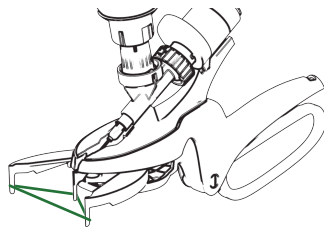
### Notes

- It is normal to have a small air bubble in the injector and the tool will still function.
- Hold the tool upright when injecting and releasing the injector button.
- QCC will work until empty so keep eye on fluid level.

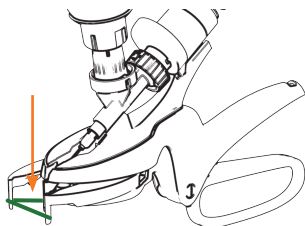
## Using the Numnuts device



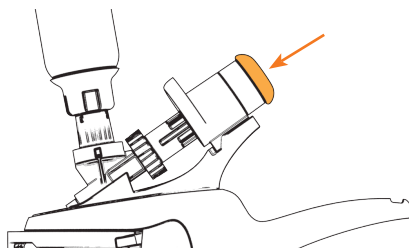
1 Press ring fully onto the three front pins on the Numnuts device.



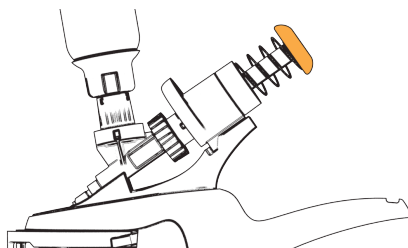
2 Pull the trigger to open the ring fully.



3 Place the ring over the tail / scrotum and release the trigger.



4 Fully depress the injector.



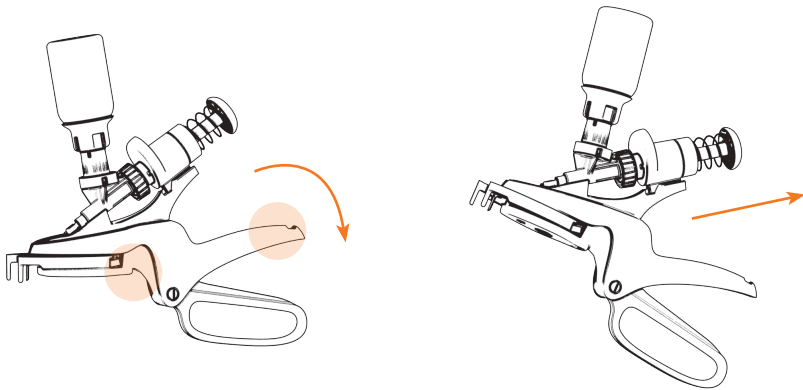
5 Release the injector button.



# Ring removal technique



This device is different to existing ring applicators and requires a slightly different action to remove the device from the ring.



- 1 Hold the tool by the neck or tail of the Numnuts device.
- 2 Tilt the applicator down and back to release the ring in position.

## Notes

- *Once the ring is in position, let go of the trigger and the stretched ring will hold the tool in position whilst you inject.*
- *Ensure that the injector button is fully depressed to deliver the entire 1.5ml dose of NumOcaine.*
- *The device works with ring dispensers.*
- *Don't squeeze the trigger when releasing the ring.*

# Trouble shooting

## Sticky injector?

*If the tool doesn't return smoothly or at all, the system may require lubrication. In this instance, remove fluid junction as shown in 'attaching the needle', and lubricate o-ring with vegetable / olive oil.*

*If injector is still sticky, try spraying a PTFE lubricant (i.e. GT 85) into the injection mechanism.*

## Injector not fully depressing??

*This is likely due to hitting a hard element such as a tail bone. Please try reposition the device.*

## Leaking

*Please ensure that QCC is firmly attached, the needle is also firmly attached and that the orange locknut holding on the fluid junction is also tightened.*

*For any other issues, please visit [www.numnuts.store](http://www.numnuts.store) for support or alternatively contact [info@numnuts.store](mailto:info@numnuts.store)*

Developed in collaboration with



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[www.numnuts.store/shop](http://www.numnuts.store/shop)

**For more information and support**  
[www.numnuts.store](http://www.numnuts.store)  
[info@numnuts.store](mailto:info@numnuts.store)