

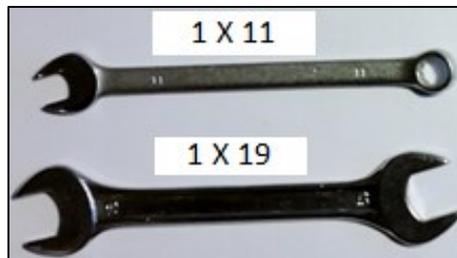
## How to mount and adjust QR-Axle and wheel bushing

### The tools:

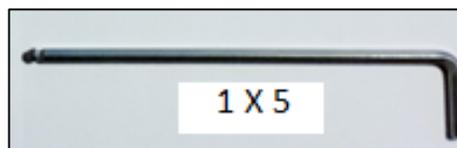
- to mount the wheel bushings you need  
2 X 24 open-end spanner



- to adjust the QR-Axle you need:  
1 X 11 open-end spanner  
1 X 19 open-end spanner

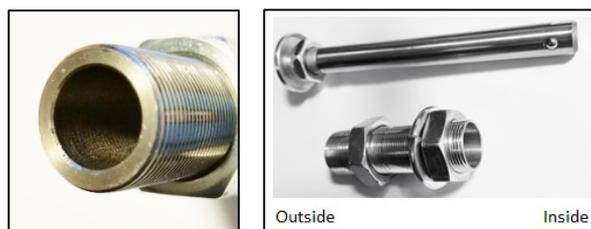


- to adjust the brakes you need  
1 X Allen key



### The wheel bushing:

The wheel bushing has a length of 70 mm. And it doesn't make any difference in which direction you are assembling it to the wheelchair. Both endings are alike.



### The QR-Axle:

The axle has a push button and if you press on it the 2 balls at the end of the axle will move inside the axle and you can insert the axle to the wheel bushing.

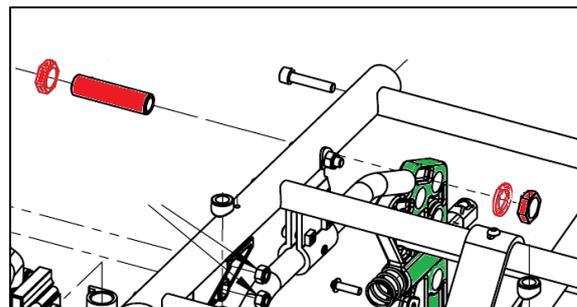
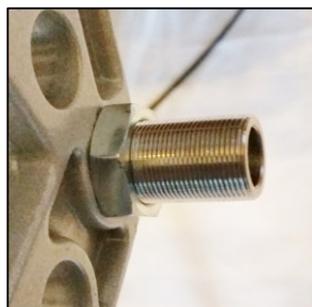


When you release the push button, the balls will stay out of the axle and will fix the axle in the wheel bushing.

Mount the bushing to the wheelchair frame according to the pictures below:

Inside of wheelchair frame

Outside of wheelchair frame



Insert the QR-Axle from outside (outside is where the push rim is) into wheel by pushing the button head:



How far a wheel bushing is mounted outwards depends on if you have a chair with or without a seat width extension kit. With an extension kit the bushing will have a bigger distance to the frame.

The installation manual for the seat width extension kit for the chair you are working with you can find on: <http://www.my-netti.com/downloads/manuals> in category "Mounting descriptions for seat unit & arm supports"

Most important is to avoid having the bushings too far inside.

This will cause a conflict between wheel and arm support.

There should be always at minimum 20 mm space between wheel and arm support to avoid razing of the parts and squeezing hazards.

**There are 2 possibilities why a QR-Axle does not hold the wheel in the bushing:**

1. the wheel bushing and the QR-Axle have a mismatching dimension (> change parts)
  - a. 1 item does not match the other in length
  - b. Correct items are: QR-Axle 12 X 118 mm = 85264 and Wheel bushing M18 X 1 X 70 = 85262
2. QR-Axle needs to be adjusted (> see next chapter)

**How to identify that you need to adjust the QR-Axle?**

If you mount the QR-Axle to wheel and bushing in correct way, the wheel (axle) should have no movement in the bushing.

Correct adjusted QR-Axle

- bushing touches the wheel axle bearing wheel



Incorrect adjustment of QR-Axle

- gap between bushing and wheel axle bearing



If the wheel (axle) can be moved, use a 11 open-end spanner and a 19 open-end spanner to adjust the axle play.

Hold the axle at the end where the balls are with an 11 open-end spanner in position and turn the nut at the other end with an 19 open-end.

Turn the nut 90° and test in bushing. Repeat as long as needed to close the gap.

It might be that the nut of the axle is maybe too far in. Then turn the nut out.



**Brake adjustment:**

As soon the QR-Axle is correct adjusted and the bushings are mounted to the wheelchair, adjust the brake with the 5 Allen key.

To get full information how the brake should be adjusted, please have a look at the user manual of the chair.