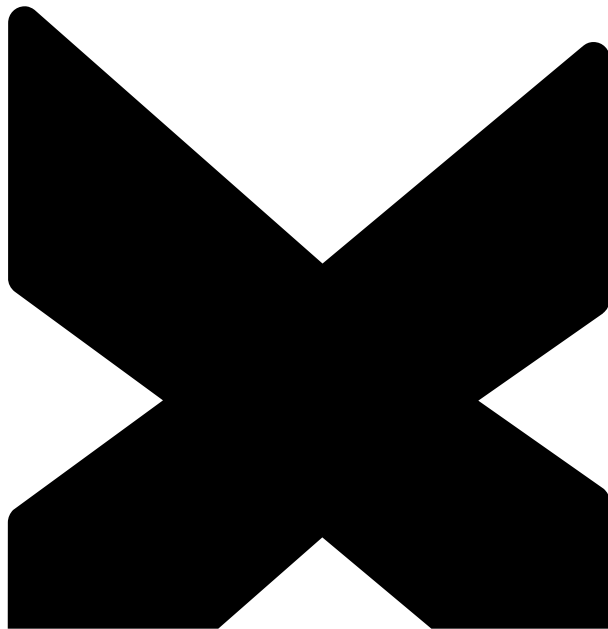
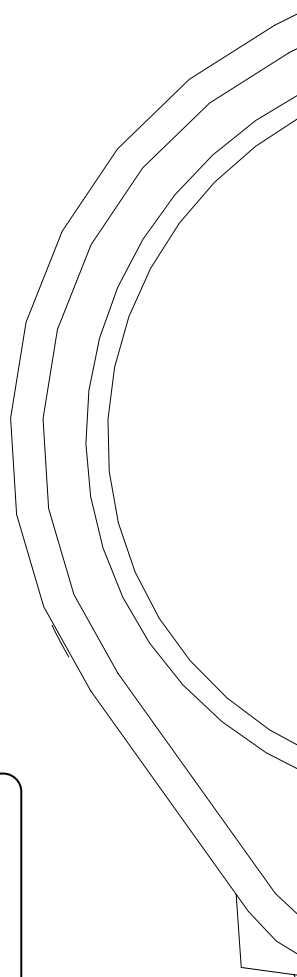


**SIXPACK**



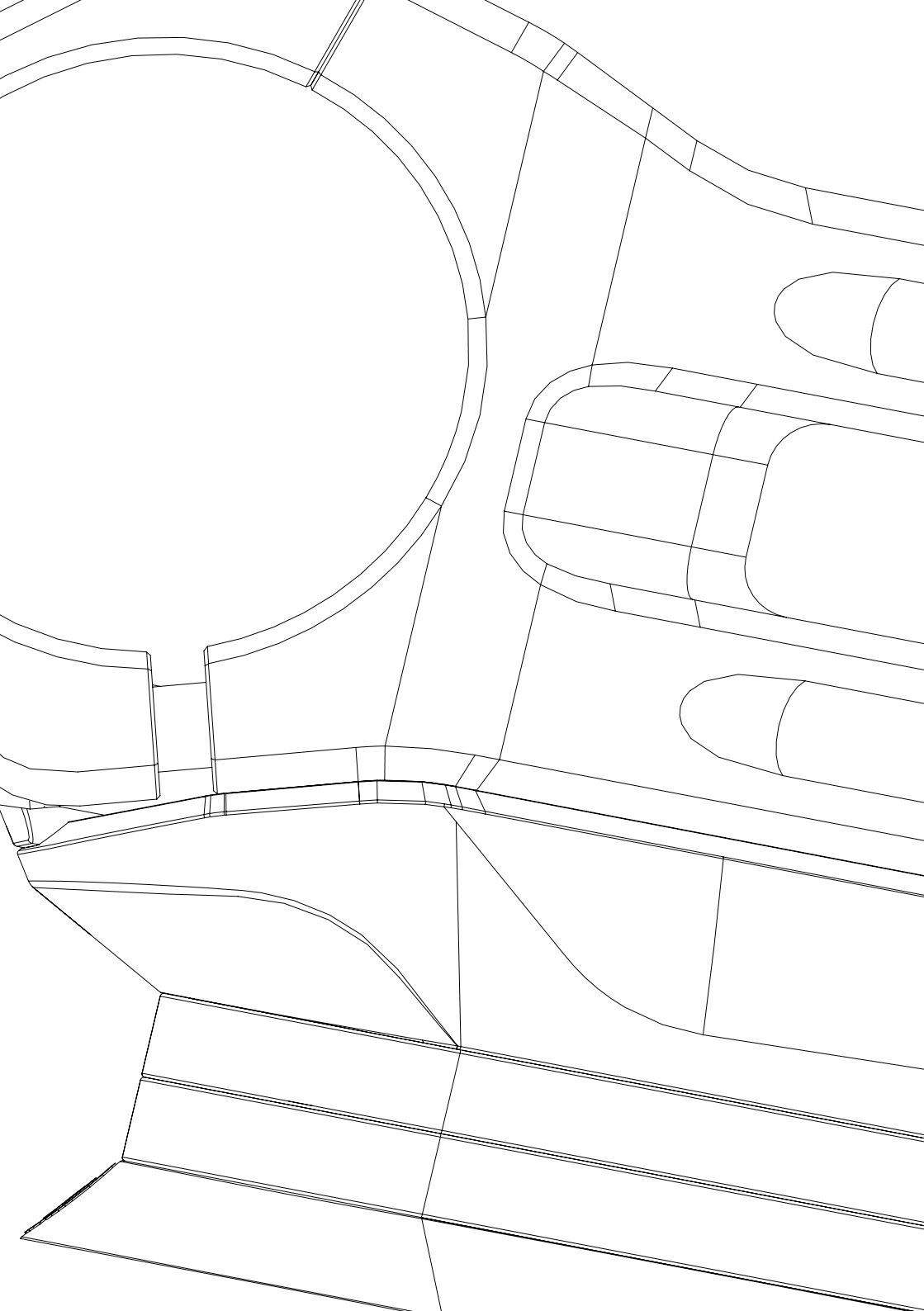
User Manual

# Millenium ICR



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## Intended use

Sixpack components are designed for the following categories according to ASTM F2043:

- MILLENIUM and EJ Stem: **Category 5**

### **Category 5: Extreme use (downhill, freeride, dirt)**

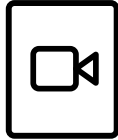
Category 5 includes the use of bikes and their components under the conditions of categories 1, 2, 3 and 4 as well as in demanding, heavily blocked and extremely steep terrain, which can only be mastered by technically experienced and very well trained riders. In this category, big jumps are to be expected as well as intensive use in bike parks or on downhill tracks. With these bikes it is essential to ensure that after each ride an intensive check for possible damage is carried out. Pre-damages can lead to failure even if further stresses are significantly lower. A regular replacement of safety-relevant components should also be considered. Wearing appropriate protective gear is absolutely essential. Long travel full-suspension bikes but also dirt bikes characterize this category.

## Compatibility

The Sixpack Millenium ICR stem/Sixpack ICR system is compatible with all Acros ZS56 ICR headset. In addition, the Sixpack ICR System can also be retrofitted to Acros 52/52 ICR angle headsets and Acros 52/60 ICR angle headsets with an aftermarket compression ring (Acros item no. 11.52.106R2-AM).

## Guarantee / Crash Replacement

The statutory warranty applies to all components. If damage occurs outside the warranty, contact us and we try to find an individual solution.



### Assembly video

Scan the code and watch the video.



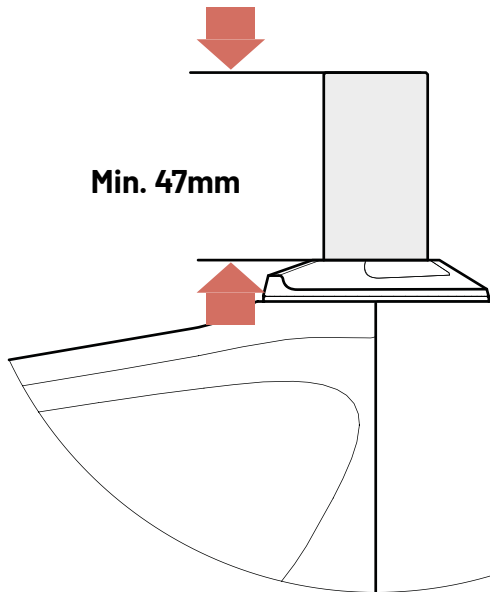
## DANGER

### Danger due to incorrectly mounted stem!

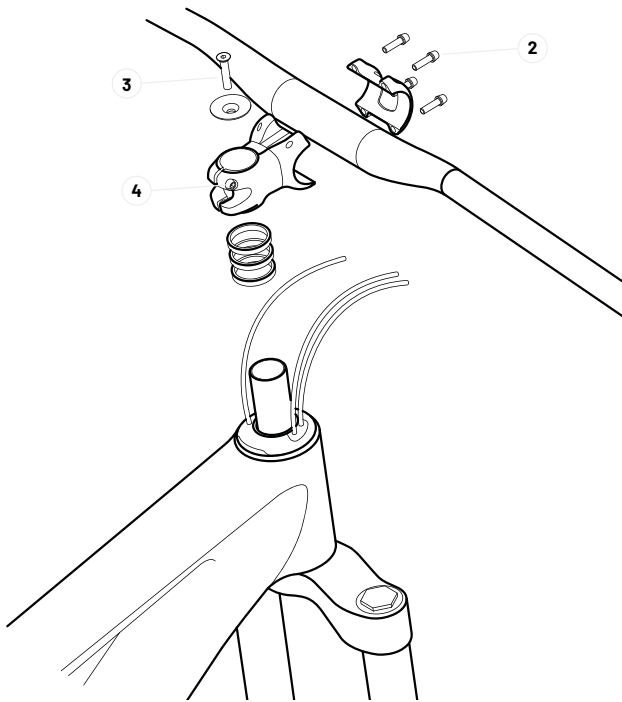
- The tightening torque of the stem must not be exceeded.
- Additionally, check the handlebar manufacturer's instructions for specific provisions. In particular, the tightening torque may be restricted by the handlebar manufacturer.
- The assembly sequence must be observed. The clamping points labeled "NO GAP" must be tightened first.
- Do not use grease or other lubricants to mount the stem.



## Disassemble the Acros ICR



**Note:** Measure from the highest point of the Acros ICR Topcap to the end of the steerer tube. The Sixpack ICR system requires at least 47mm free shaft length. With the minimum shaft length, you can no longer use spacers.

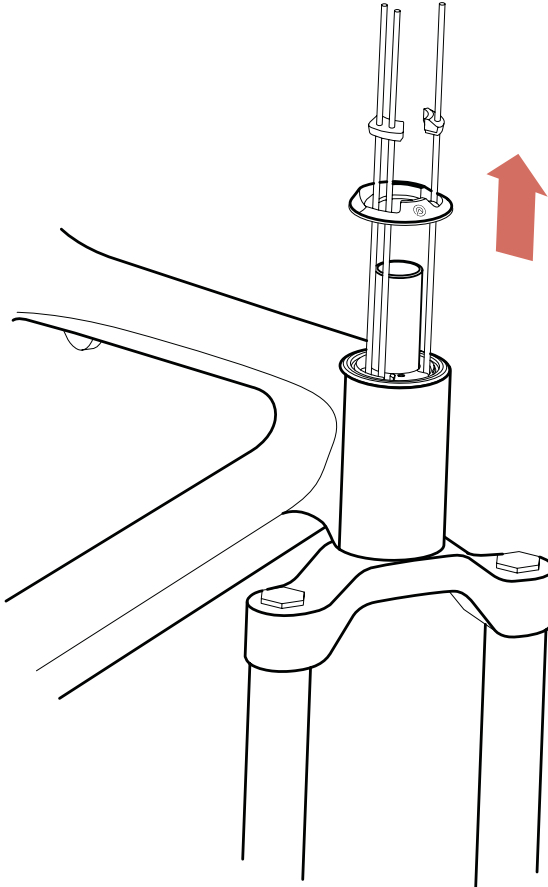


- 1** Disconnect all lines and cables from attachment points such as brake and shift levers. If necessary, disconnect the cable to your dropper seat-post or the power supply of an e-bike display/control unit.
- 2** Loosen the handlebar clamp bolts of the stem and remove the handlebar.
- 3** Loosen the headset adjustment bolt.
- 4** Loosen steerer tube clamp bolts of the stem and pull the stem and spacer off the steerer tube.





## Disassemble the Acros ICR



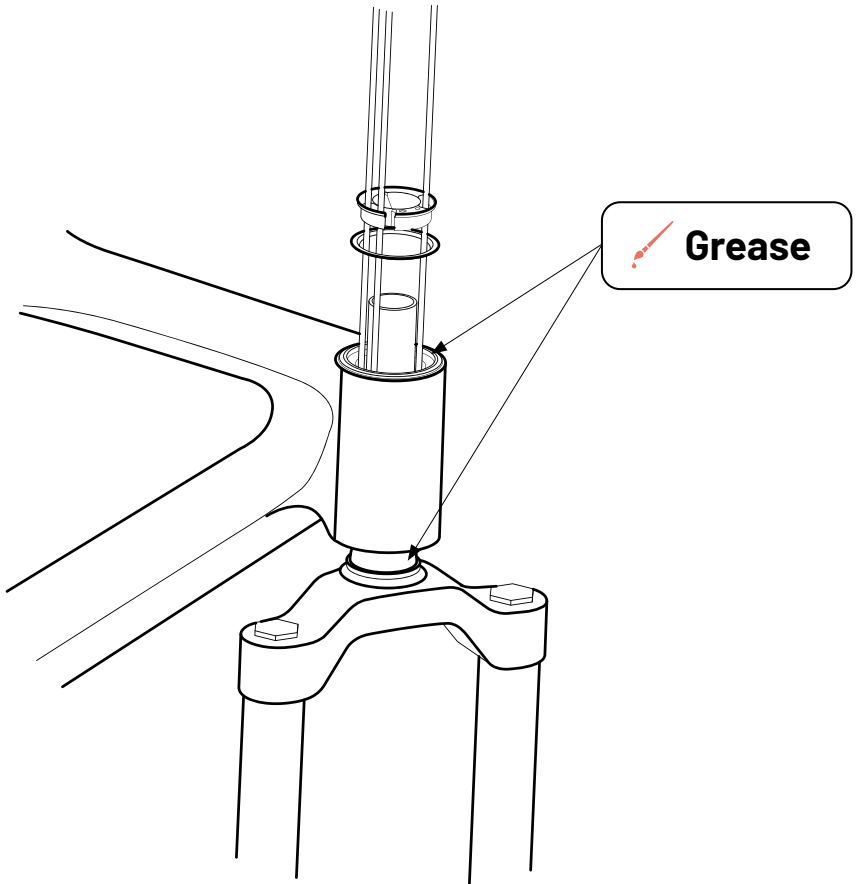
**5**

Pull the sealing elements out of the headset cover and from the lines/cables.

**6**

Remove the headset cover from the steerer tube.

## Maintenance

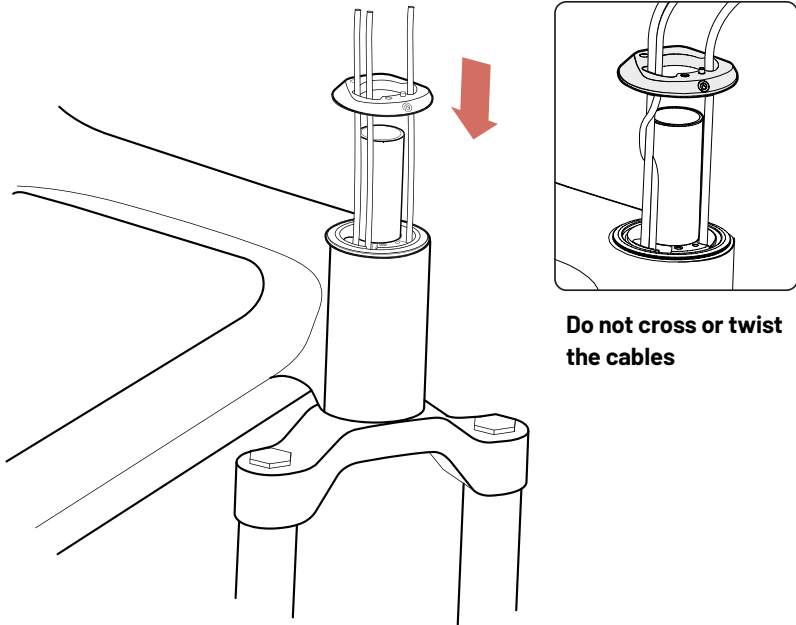


**1**

Take the opportunity and clean the headset. To do this, remove the compression ring and the IPS seal. Lower the fork to have access to the lower bearing. Clean the bearings and the IPS seal and apply new grease.



## Assembly of the ICR system

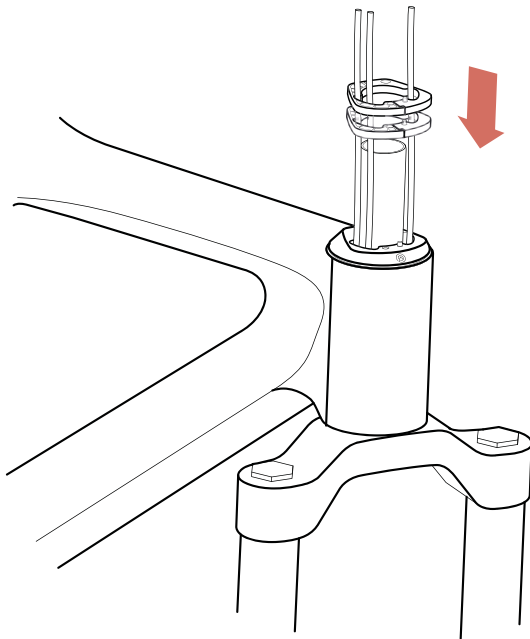


**1**

Slide the lower Sixpack ICR cover onto the steerer tube.

**2**

Route the cables through the cut-outs in the lower ICR cover. Use the same arrangement as with the previously installed Acros ICR system. Make sure that the lines are not crossed or twisted through the cover. Assemble the lower Sixpack ICR cover by inserting the pins into the holes provided in the compression-ring.



- 3** Slide the according number of spacers onto the steerer tube to adjust your desired handlebar height.

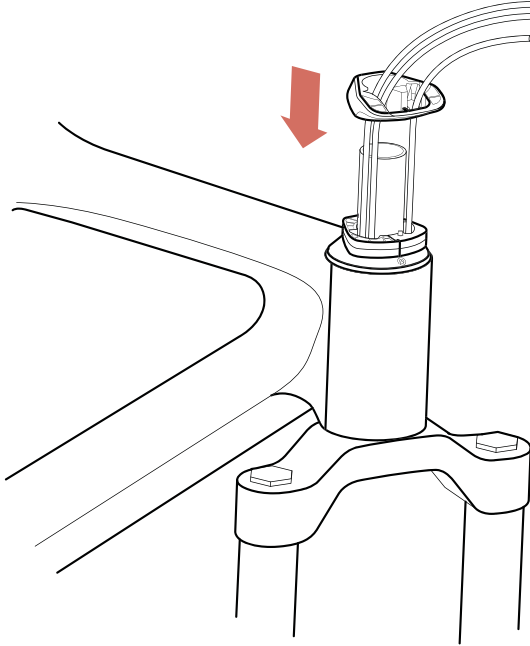


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**Note:** The spacers are symmetrically. You can adjust the handlebar height of your bike with the help of the spacers even when the Sixpack ICR system is assembled.



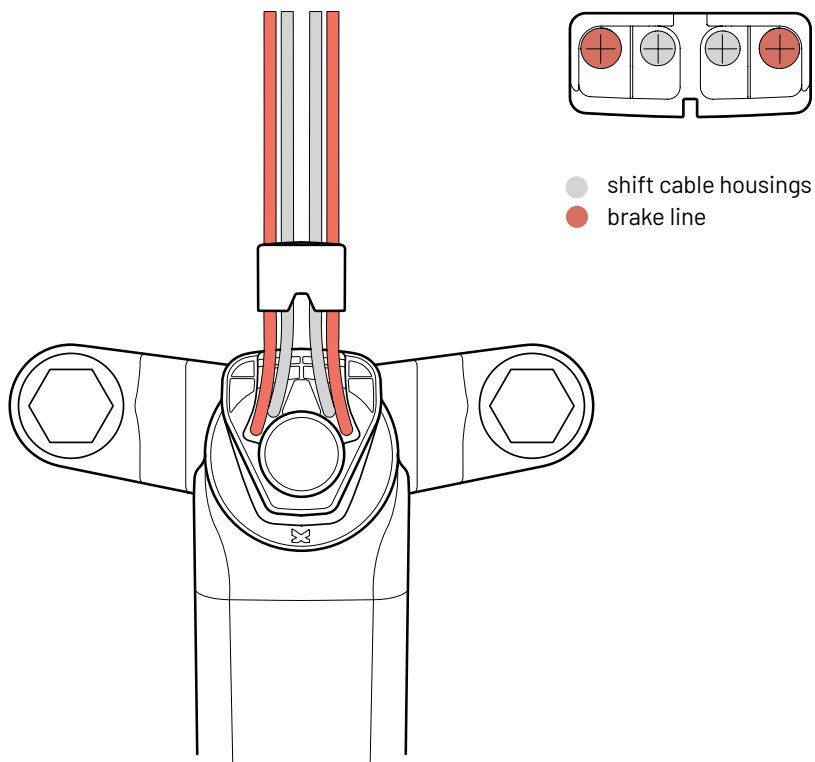
## Assembly of the ICR system



4

Slide the top cover of the Sixpack ICR system with the pin facing down onto the steerer tube to the top of the spacers.

Route the cables through the opening of the top cover and make sure that the cables are not crossed or twisted through the top cover.

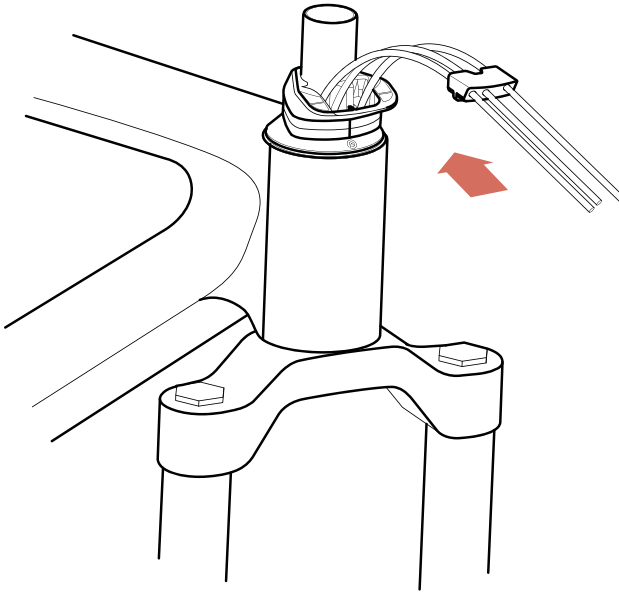


**5**

The seal of the Sixpack ICR system can accommodate up to four lines or cables. The four openings for lines or cables are pre-perforated on the back of the seal. The two inner openings are for shift cable housings, the two outer openings are for brake lines. Choose the assignment of the opening according to the arrangement of the brake and shift levers on your bike. Do not cross the cables or lines through the seal.



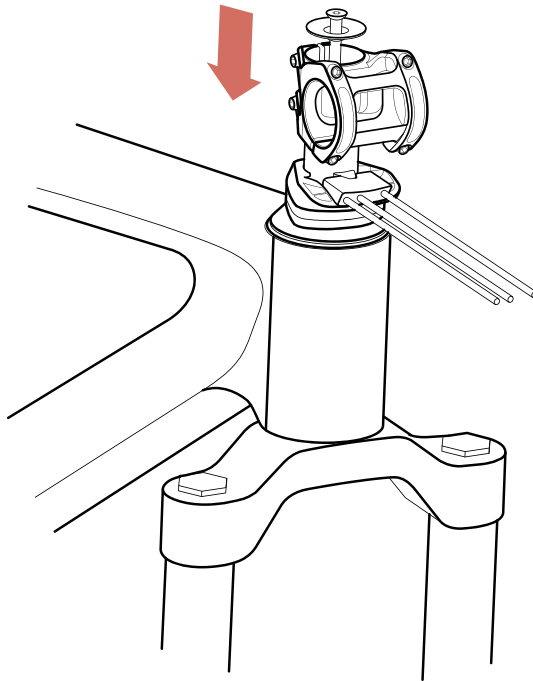
## Assembly of the ICR system



**6**

Pierce the appropriate holes in the gasket with the lines. Slide the ICR seal toward the steerer while using one hand to hold the cables and hoses under tension.

**Note:** Keep the cables and lines under tension so that you don't push them back into the frame to avoid the cables to be too short.



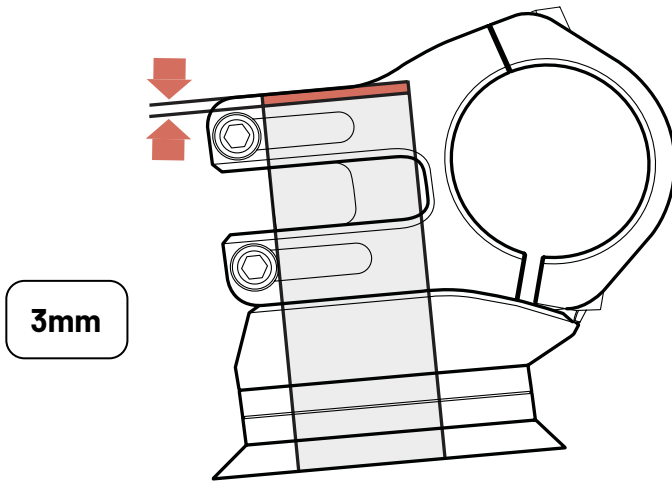
**7**

Slide the stem onto the steerer tube. Make sure that the ICR seal is placed within the recess of the top cover. In the correct position, the frontside of the seal is flush with the frontside of the top cover of the Sixpack ICR system.



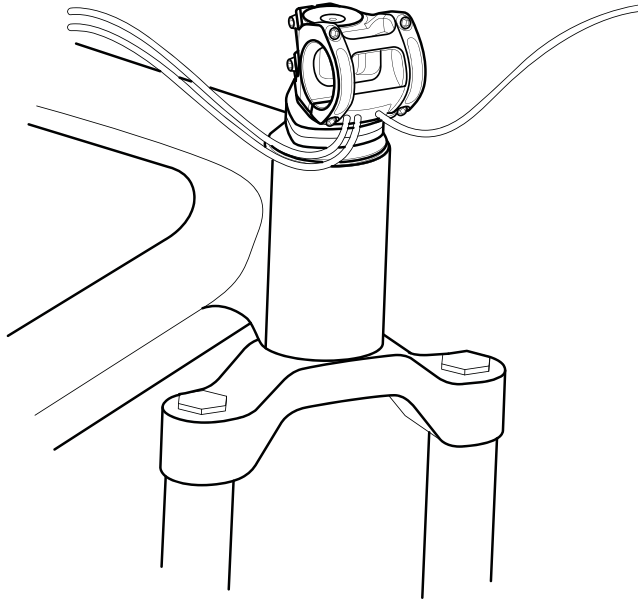


## Assembly of the ICR system



**8**

Make sure the stem has a gap of about 3mm to the steerer tube.



**9**

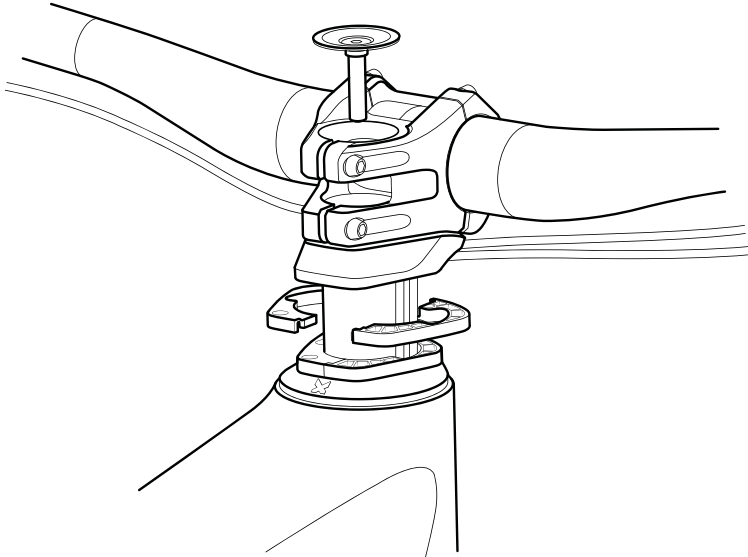
Align the stem in the direction of the front wheel and hand-tighten the headset adjustment bolt and the steerer tube clamp bolts on the stem.

**10**

Assemble all lines and cables according to the manufacturer's specifications.



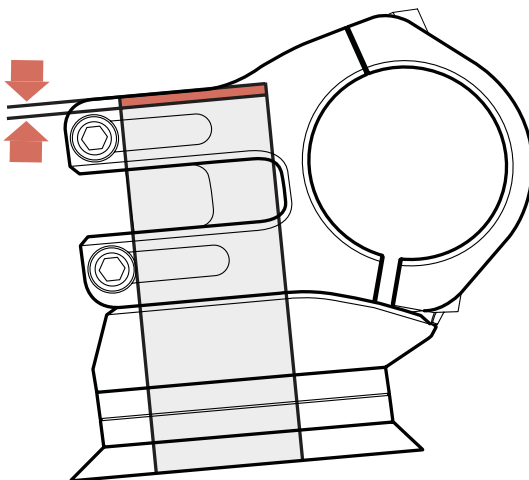
## Adjusting the handlebar height on the bike



**1**

Loosen the stem steerer tube clamp bolts and the headset adjustment bolt and slide the stem slightly up.

**3mm**



**2**

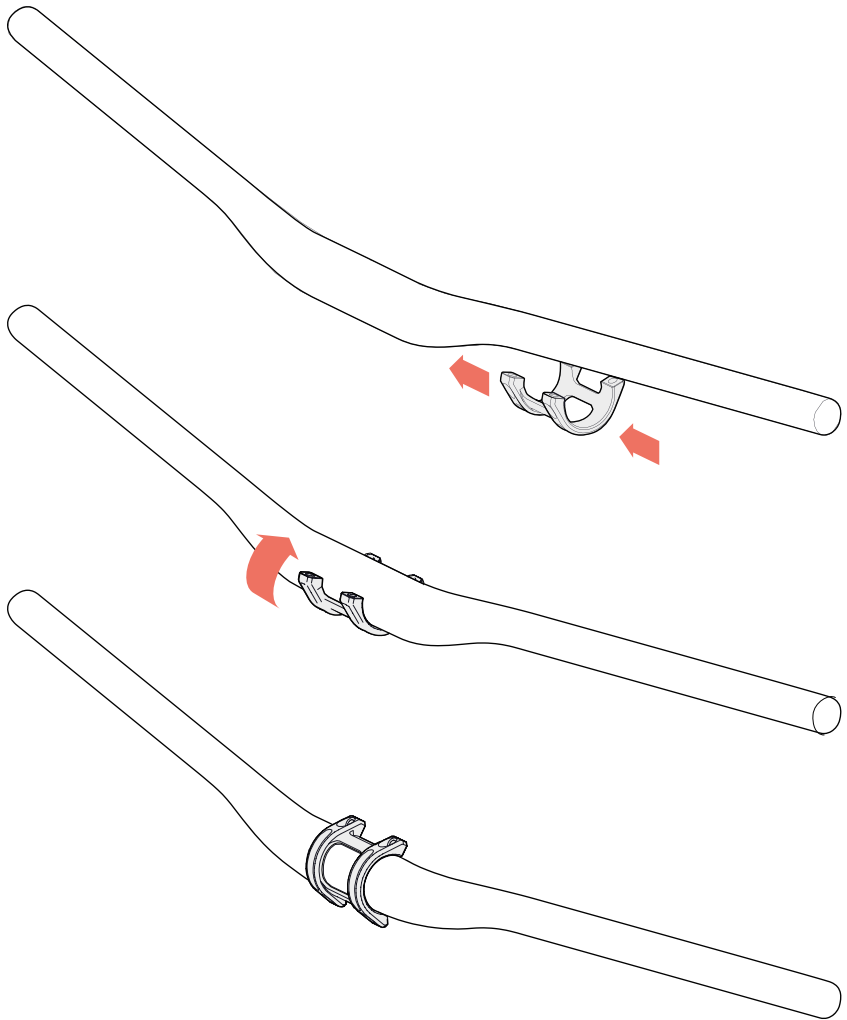
Add or remove desired number of spacers. Please note that the steerer must be long enough if you want to add spacers. The top of the stem should be around 3mm above the steerer tube.

If you want to remove spacers, please note that you have to add the according number of round standard spacers above the stem to headset adjustability.



## Mounting the stem

- 1** Clean and degrease the clamping surface of the handlebar and stem.
- 2** Install the headset cap and lightly tighten the headset clearance adjustment screw.
- 3** Completely unscrew the upper and lower screws of the handlebar clamp and remove the handlebar clamp.
- 4** Slide the handlebar clamp from the side onto the handlebar.  
To make it easier to slide on, the handlebar clamp must be rotated 90° downwards and pushed onto the handlebar.





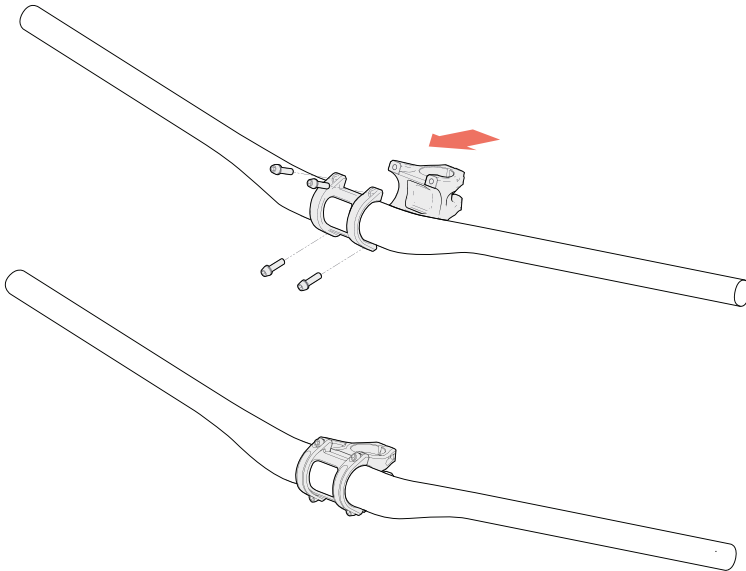
## Mounting the stem

**5**

Attach the handlebar and the handlebar clamp and turn the handlebar clamp screws in slightly.

**6**

Adjust the handlebar according to your needs.



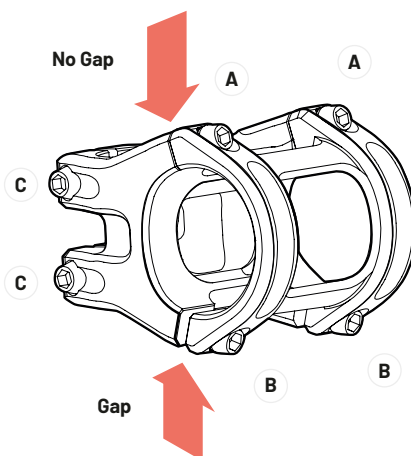
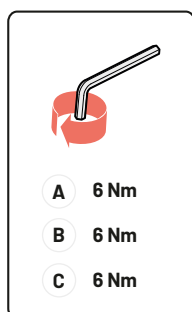
**7**

First tighten the upper screws of the handlebar clamp (A) with 6 Nm.

**There must be no gap between stem and handlebar clamp on the top side of the stem!**

**8**

Then tighten the lower screws of the handlebar clamp (B) with 6 Nm. It is possible that the handlebar manufacturer specifies a lower torque.



**9**

Adjust the headset clearance according to the headset manufacturer's specifications.

**10**

Tighten the screws of the steerer tube clamp (C) alternately until the torque of 6 Nm is reached.

**11**

Check that the handlebar is securely fastened. If you have any doubts or questions, you must seek the help of a trained bicycle mechanic or the Sixpack Service!





## After a crash



### **DANGER**

#### **Risk of accident due to damaged or broken stem!**

- Replace your stem in case of deformations or deep scratches!
- After a heavy crash, overstressing of the stem and thus a reduction in mechanical strength is possible. This can lead to subsequent stem failure and serious accidents with high potential for injury or death.
- We recommend replacing the stem after heavy crashes.
- If you have any doubts or questions, you must seek the help of a trained bicycle mechanic or the Sixpack Service!

## Care and maintenance

The following activities must be carried out regularly:

- Check the tightening torque of all screws regularly and retighten to the specific torque if necessary.
- Clean stem regularly with clear water or mild detergent. Observe the application recommendations of the cleaner used.
- Check stem regularly for cracks, deformation, discoloration or other signs of damage. A damaged stem must not be used any further!
- If you have any doubts or questions, you must seek the help of a trained bicycle mechanic or the Sixpack Service!