



SUBJECT: **ClampOnTyre: instructions for correct brake cable adjustment**



If the clamp is not braking adequately without pressing the trigger on the upper handle, take the following actions:

1. Check that the clamp remains braked when applying a force between 20 kg and 22 kg which is applied at the centerline point of the handle of the movable clamping disc. Apply the force towards an orthogonal direction to the longitudinal axis of the handle (see figure 1). Use a dynamometer (or suitcase scale) to measure the force to be applied. Avoid pressing the trigger that is placed on the top handle of the quick clamp;

2. If the clamp remains braked despite the force applied to the handle of the movable clamping disc, no further corrective actions are need;

3. Afterwards, check if the clamp can tighten properly by:

- mounting it correctly on a wheel,
- releasing the trigger in the upper handle,
- verifying the correct tightness of the clamp to the tire

4. If the clamp does not remain braked with the application of the force applied to its rotating handle, use two wrenches both with an opening of 10;

5. Adjust the nut and locknut as shown in figure 2 (left arrow), to correctly adjust the wire tension to ensure:

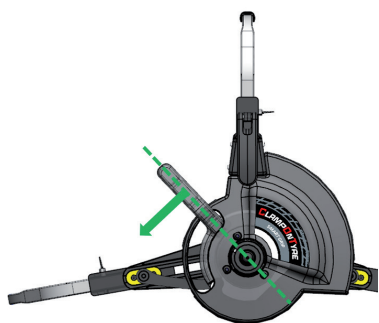
- the correct tightness of the brake caliper when the trigger is not pulled,
- the correct movement of the movable clamping disc (with handle) when the trigger is pressed.

6. When adjusting the wire tension by means of its nut and locknut (see figure 2, right arrow):

- Make sure the trigger of the upper fixed handle has a slight pitch of a few degrees when at the beginning of its span (see also Figure 3.a);
- When the trigger is halfway, make sure the collet (which locks the movable clamping disc) has begun to loosen its grip on the movable disc itself (see also Figure 3.b).

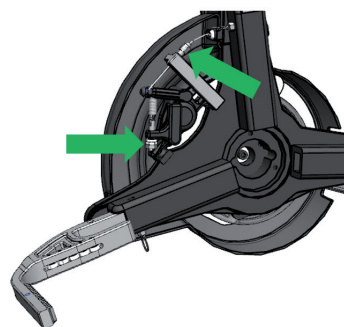
7. Once you have finished working on the clamp nut and locknut, start again by checking what is reported at point 1, 2 and 3.

Fig. 1



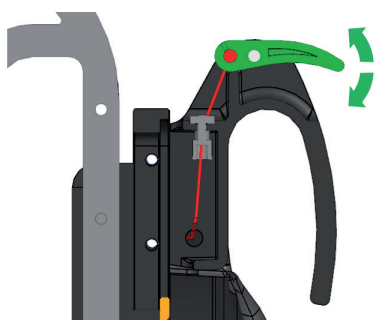
Application of the test force to verify the right braking grip of the quick clamp

Fig. 2



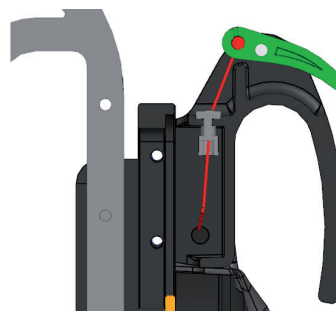
Rear view of the quick clamp + indication of the nut and locknut positions (green arrows)

Fig. 3.a



Start of trigger span position + indication of allowed pitch of few degrees (green arrows). The trigger is lodged in the upper handle

Fig. 3.b



Half-span position of the trigger lodged in the upper handle