

Control of the FLM ball heads

1. Friction and secure fastening
2. Adjustment of friction with mounted camera and released ball
3. Change of friction
4. Adjustment of friction of different cameras or lenses
5. Relocation of individual friction positions

1. Friction and secure fastening

Hold the ball head in such manner that you look directly onto the FLM logo. The adjustment handle is now positioned on the right side.

The black scale ring acts like a lock nut and serves as limit stop for the grey adjustment handle, which is thus protected from being unscrewed completely in counter-clockwise direction.

As soon as you turn the scale ring clockwise as far as it will go, the ring and the handle are secured in position and can no longer be turned. For releasing the locked position, lightly turn the adjustment handle clockwise. You can now turn the ring and the handle simultaneously counter-clockwise up to the limit stop. The ball is once again freely movable.

2. Adjustment of friction with mounted camera and released ball

Turn the adjustment handle clockwise until the camera rests in every position by itself.

If you now turn the black scale ring clockwise as far as it will go, you have saved the position value of the friction setting.

Complete this procedure once for each specific camera / lens combination. The number on the scale ring underneath the arrow shows the set position value for this camera / lens combination. Adjust the setting to this numeric value to securely repeat the friction setting for a specific camera/lens combination at any time.

3. Readjustment of the friction fine adjustment

First, turn the adjustment handle clockwise to release the lock nut with the scale ring. Then, turn the scale ring clockwise to a higher value. You thus increase the friction. Perform one turn counter-clockwise to reduce the friction. After that, turn the adjustment handle counter-clockwise as far as it will go. The friction has only been changed once you have done this. Please note, as mentioned under Point 2, that a 100% friction setting is only ensured once the adjustment handle has been turned back to the limit stop of the set scale ring and has been locked.

4. Adjustment of friction of different cameras or lenses

Follow the procedure described under Point 2. Using the number shown on the scale ring, the friction adjustment can be securely repeated for every camera / lens combination.

Now change the camera / lens combination and adjust the friction as described under Point 2. Again, write down the number on the scale ring for the currently mounted camera / lens combination. Then repeat this procedure for all camera / lens combinations.

5. Relocation of individual friction positions

Firmly tighten the adjustment handle so that the mounted camera / lens combination cannot be moved. Next, adjust the scale ring to the value for this camera / lens combination as determined under Point 3. After that, turn the adjustment handle counter-clockwise back as far as it will go.

Points 1-5 are once-off settings.

The adjustment procedure for the ball head to be performed immediately before taking photographs is described under Point 6:

6. Secure fastening

For the friction value set under Point 2, the camera / lens combination is determined by turning the adjustment handle clockwise. As the ball head is already pre-clamped for the specific camera / lens combination, normally half a turn or one full turn of the knob is sufficient to correctly secure the camera in position. When turning the adjustment handle back, you automatically reach the set friction position. The set position cannot be missed even in the dark. Any unintentional releasing of the head with mounted camera / lens combination is thus prevented.