Assembly instructions for the multi-adapter

Dear Customers,
We would like to provide you here with instructions for the proper assembly and use of our multi-adapter.

Attaching the clamping ring to the scope

Tolerances
Our Base-Clamps are able to compensate +/- 0,2mm at the objective tube.
If you don´t find a matching diameter please let us know.

Clean and degrease
Before you slide the clamping ring onto the scope, it is very important to clean and degrease the housing of the scope. To do this, you can apply some brake cleaner or benzine to a cloth and wipe the scope with it. It's also no harm to wipe around the inside of the clamping ring again to remove any remaining fingerprints etc. here.

Attach clamping ring
Now slide the clamping ring onto the scope as far as it will go. On a few scopes, the cylindrical part of the lens is slightly shorter than the hole in the clamping ring. In this case, we recommend that you do not slide the clamping ring all the way up, so the area of the clamping screws is on the cylindrical part of the lens.

Align clamping ring and remove placeholder
You can now turn the clamping area to the side in the direction of the barrel so that it least obstructs the view and does not get in the way. Only now may you remove the small placeholder (Plexiglas) from the clamping slot.

Screw in clamping ring
Now tighten the clamping screws gradually in several goes to a torque of **0,8Nm / 0,6 ft-lb**. You can start with the inner two screws and then tighten the outer ones. As the screws are tightened, the upper section of the clamping ring elongates a little and the screws that were tightened first become slightly loose. After several goes, all screws will be evenly tightened. The clamping ring is now fully attached.
Torque spanner function: When the torque is reached, the screwdriver audibly and perceptibly disengages. The long path disengagement clearly signals to the user that the set value has been reached.
Warning: Once the torque has been reached, do not continue to turn, otherwise the screws will be tightened to a higher torque!

Mounting the DUO connector to the attachment

Screw on the DUO connector

Now screw on the DUO connector to the attachment, but do not tighten or clamp it yet. Next, place the attachment with the DUO connector on the clamping ring and consequently on the scope, and lock it by turning it clockwise until you feel the resistance. The easiest way to do this is to position the gun vertically and clamp it between both legs, for example. You then have both hands free, and with a little practice you can do it relatively quietly.

Important:

The DUO connector only needs to be tightened in the clamping ring with gentle manual force. It can be compared to closing the lid of a pickle jar. The clamping is achieved by very flat splines that are twisted against each other. Shooting usually tightens the lock a little more.

<u>Align the angular position of the attachment</u>

The digital night vision attachments (e.g. Pulsar FN455 etc.) or the thermal imaging attachments provide an image on a rectangular screen. Horizontal alignment of the attachment is very important. If the screen display were even slightly tilted, this would inevitably cause the weapon to tilt, leading in turn to shifts in the point of impact.

Now switch on the attachment and reset the magnification of the scope to the lowest magnification so you have the widest possible field of view and can see as much of the rectangular screen in the scope as possible.

Now align the attachment so that the outer edges of the screen are exactly parallel to the crosshairs of the scope, or align the angular position of the attachment exactly horizontally using a level.

Now you can secure the attachment against rotation with the screw in the DUO connector:

Tighten the screw only slightly, max. 0,6 Nm / 0,45 ft-lb.
Check the point of impact with the attachment and correct it if necessary.

After mounting the adapter, a test shot with the attachment is essential.

<u>Any shift in the point of impact must now be corrected on a one-time basis on the attachment. Please do not correct the deviation on the scope.</u>

Even though the rifle has been properly sighted-in and zeroed, in many cases we get some degree of shift in the point of impact with the attachment. This may well be more than a few centimetres.

The clamping ring is aligned by mounting it to the housing of the scope. The centre axis of the scope housing is not necessarily identical to the optical axis of the scope. When sighting-in the rifle, we use the two adjustment towers on the scope to move a lens system inside the scope so that the hit is in the crosshairs. Apart from that, we don't usually concern ourselves with this. I'm explaining the connection here in my own words, so that this shift in the point of impact is made clear to you during the first test firing of the attachment.

<u>Repeatability of the adapter</u>

The clamping ring remains permanently on the scope and the DUO connector remains on the attachment. After taking off and reattaching the attachment, the connection between the clamping sleeve and DUO connector gives you a repeatable connection, and there is no further shifting of the point of impact.

Care of the multi-adapter

The repeatability of the multi-adapter stands and falls with the locking splines on the DUO connector and the face spline of the clamping ring. Therefore, please keep these areas clean and protect them from mechanical damage.

Both parts are made of high quality aluminium and are anodised. The anodised layer gives them a hard surface and protects them from corrosion.

When new, the contact surfaces of the lock do not slide smoothly, but tend to stick and the lock moves almost jerkily. To reduce this, we grease the area of the lock in the clamping ring before delivery. After the first 50 uses, the anodizing will have smoothed out and there is a slight reflection on the contact surfaces. Then the whole thing has settled in and is running smoothly. In the beginning, it can help to re-grease the lock.

Happy hunting!

The Präzise-Jagen Team