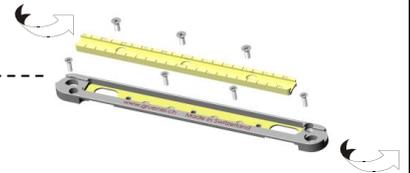
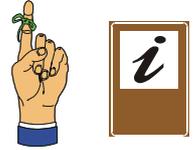


Instruction Manual

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1. General Remarks

Dear Rifle Owner

Congratulations for buying this precision rifle. We are convinced that you will be very satisfied with this purchase, as most match shooters highly value our rifles because of their careful construction and great accuracy.

Before using this rifle please read carefully the following eight reminders:

1. Always treat this rifle as loaded. Make sure there is no ammunition in the chamber. Always carry your rifle with an open bolt and without a magazine, to indicate it is not loaded.
2. Never point a rifle at anybody (whether it is loaded or not).
3. Before shooting, always make sure that you are using the correct ammunition for the rifle.
4. Before shooting, always make sure that the barrel is free of any obstructions.
5. Always keep the safety in either the safe position or fire position (where the red dot is visible) - never in between. Always keep the safety in the safe position until you are ready to fire a shot. Make sure that there is nothing in between the target and the muzzle. Do not touch the trigger when you change the position of the safety or when you do not intent to fire a shot.
6. All service of your rifle should be performed by an authorized gunsmith, except for routine maintenance.
7. The proper functioning of the rifle, in particular its accuracy depends on careful maintenance. Please read the instructions thoroughly.
8. Only a well trained shooter (or a person supervised by a well trained shooter) should use this rifle.

2. Attaching the Barreled Action

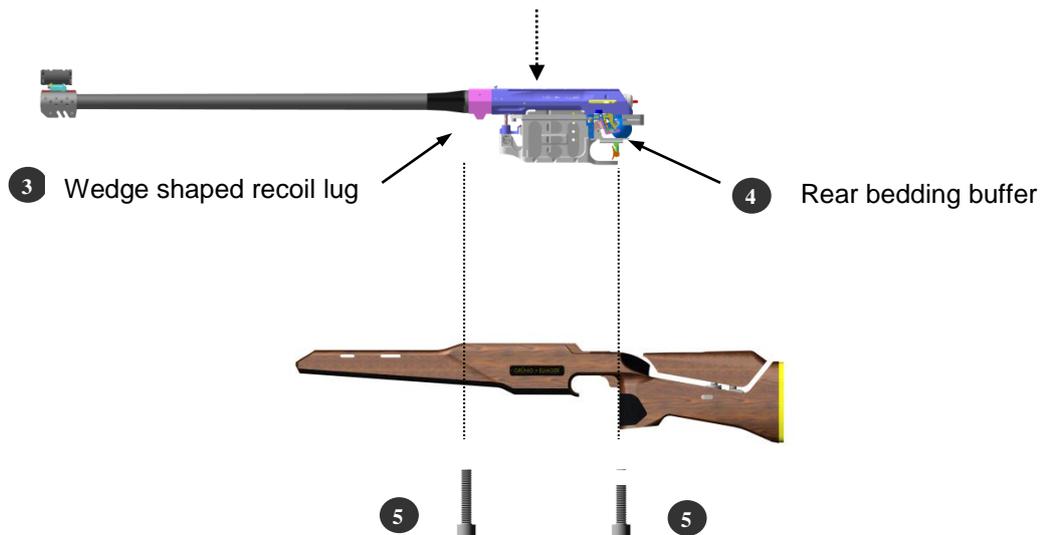
The stock and barreled action are shipped separately to minimize the possibility of damage. When assembling the rifle, please proceed as follows:

The bedding block **1** and the buffer plate **2** must be thoroughly cleaned before assembly. The same applies to the matching parts of the barreled action, the wedge shaped recoil lug **3** and the rear bedding buffer **4**.

Important: Do not use any cleaning solvents! Just wipe the four surfaces clean with a dry, lint-free cloth.



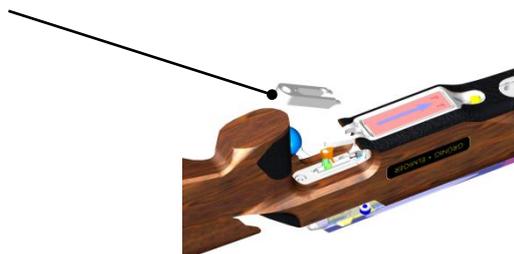
Gently insert the barreled action into the stock, but do not insert the action screws **5** yet.

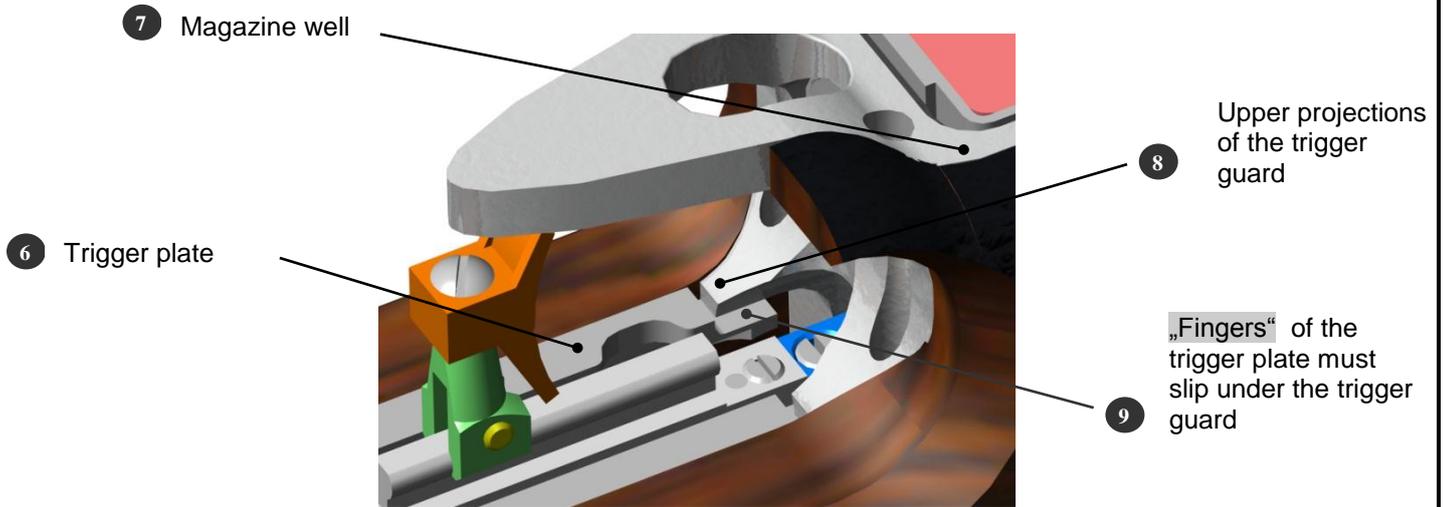


Now turn the rifle upside down holding the stock and the barreled action together with your hand (otherwise it will fall apart because the action screws are not inserted yet).

We are now ready to insert the trigger plate **6** at an angle of about 30°.

6 Trigger plate



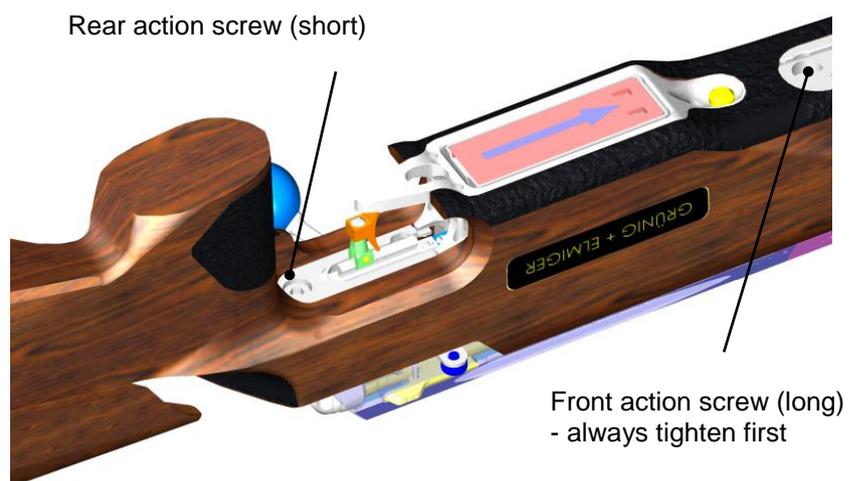
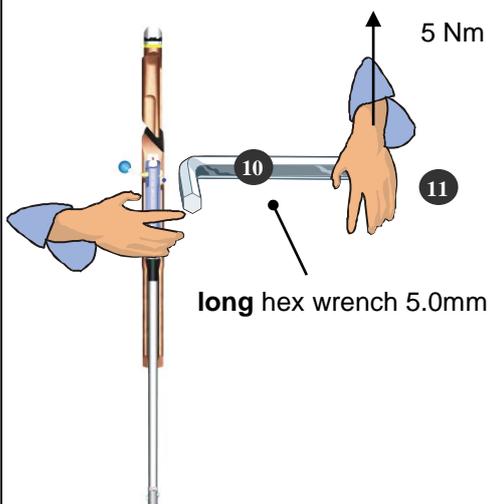


Important: Please make sure that the “fingers” of the trigger plate 9 are slipped under the trigger guard 8 (else the trigger plate is not held firmly in place).

Insert the action screws. The (short) rear action screw 5 is inserted into the trigger plate 6, the (long) front action screw is inserted through the accessory rail underneath the recoil lug. Starting with the front action screw, tighten both action screws slowly alternating between them. Make sure that your other hand still holds the barreled action and the stock together until the screws are relatively tight.

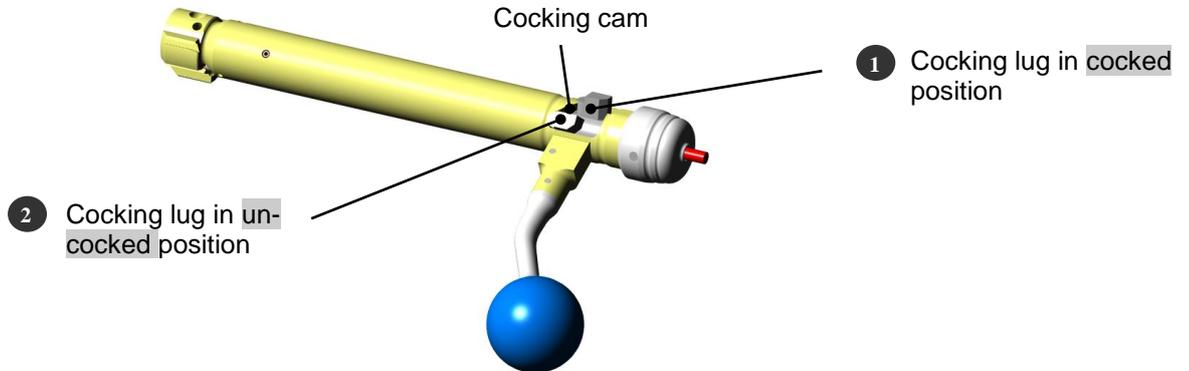
Tighten both screws to 5Nm with the long hex wrench, size 5. How can you tighten the screws to exactly 5Nm? By holding the hex wrench at the end and lifting the vertically positioned rifle tightening the screws using its own weight (see left picture below). The weight of the rifle will tighten the screw to 5Nm. You can also buy from us a metric torque wrench (#4405) with a 5mm hexagonal insert (#4407) – consult the accessory list in chapter 16.

Both action screws come with a Dubo plastic washer to prevent loosening. If done carefully the action screws can be tightened and loosened about 20-30 times before the plastic washers need to be replaced. When you loosen the screws it is important that the plastic washers remain attached to the screw heads – they should be viewed as a single unit that should never be taken apart. If the plastic washer is worn to the point where it is not malleable it should be replaced because it cannot fulfill its purpose of securing the screw any longer.

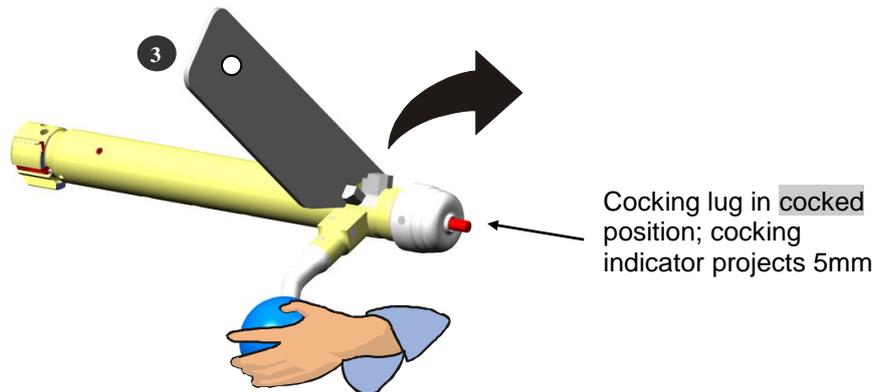


3. Inserting the Bolt

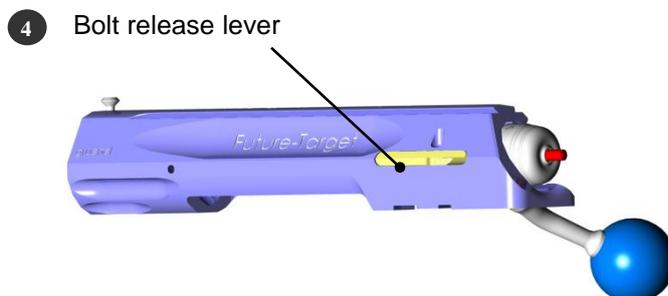
For safety reasons, we deliver the bolt in the **un-cocked** position. Before inserting the bolt into the receiver you need to first cock the bolt.



Grip the bolt firmly by the handle. Take the spanner wrench FT 300 **3** from the tool kit and place the matching slot onto the cocking lug. Now cock the lug by moving it along the cocking cam until it rests firmly in the new, cocked position. You can see that the bolt is **cocked 1** by observing whether the red cocking indicator projects 5mm from the bolt cap.



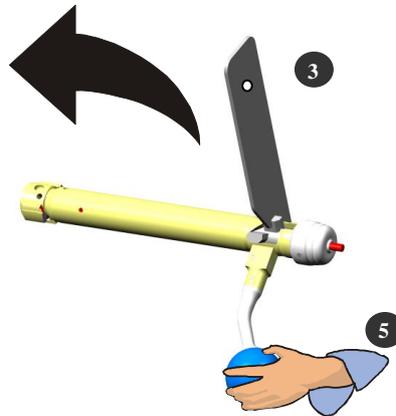
Insert bolt into the receiver by moving the cocking lug to the bottom. In this position the bolt handle is positioned at two o'clock (or 60° to the right). The three bolt lugs can now be inserted into the matching raceways. When inserting the bolt the release lever **4** automatically clicks into position. Press in on the bolt release lever to remove the bolt.



4. Disassembling the Bolt

Important:

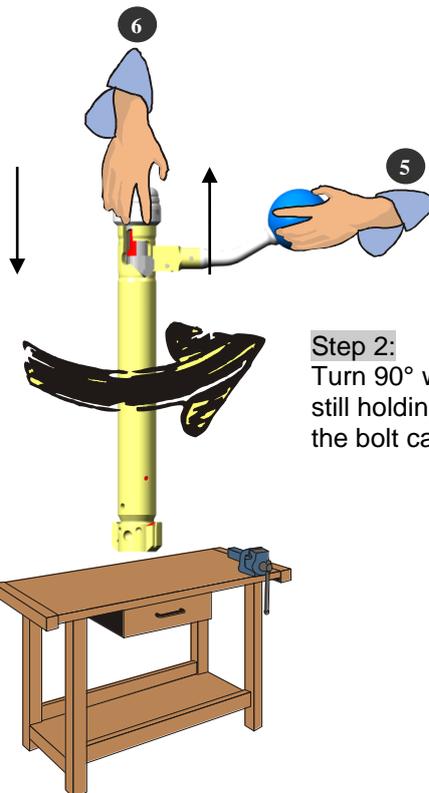
The bolt must first be **un-cocked** ②. The procedure is the reverse of the cocking procedure described in the previous chapter 3. Check the red cocking indicator to make sure that it is flush with the bolt cap.



Cocking lug in **un-cocked** position; cocking indicator is flush with bolt cap

Position the bolt face on a firm, non-slippery surface. Firmly grip the shaft of the bolt with one hand ⑤. Press the bolt cap **down** with the other hand ⑥ and then twist it 90° clockwise (while still pressing down) to disengage the bayonet lug. Slowly release the compression of the spring to remove the bolt cap.

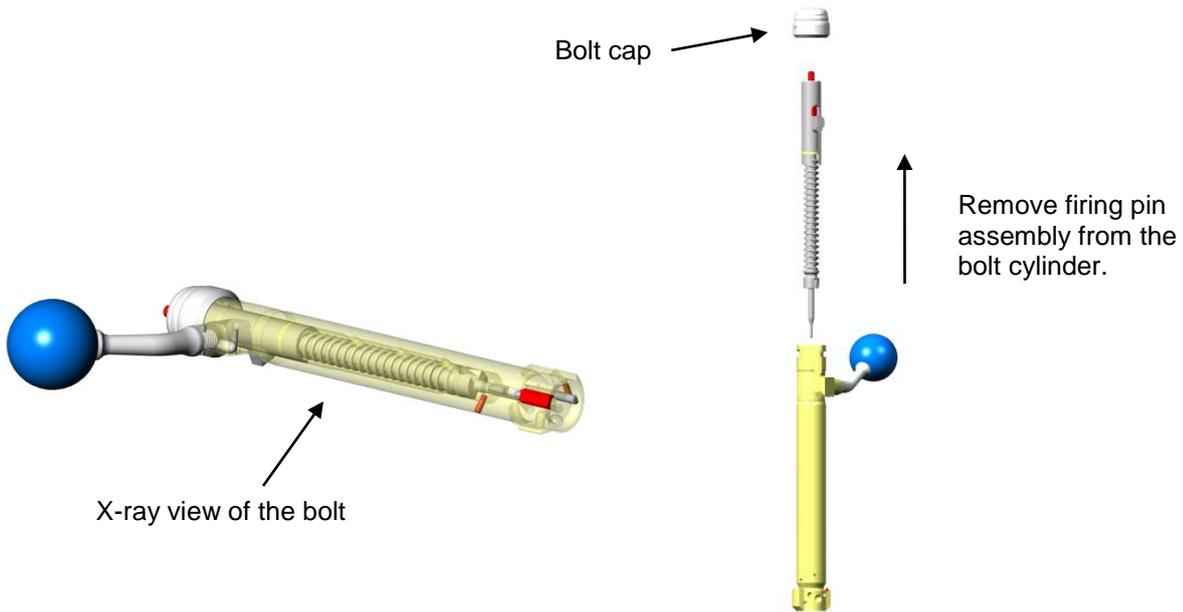
Step 1:
Press about 5mm down on the bolt cap



Step 3:
Slowly release the compression of the spring.

Step 2:
Turn 90° while still holding down the bolt cap

Remove the firing pin assembly from the bolt cylinder.



Firmly place the spanner wrench FT300 ③ in a vise making sure that the stripping hole for the firing pin is easily accessible. Now put the firing pin through the concave side of the stripping hole. Press on the bolt sleeve with your hand ⑦ and then twist it 90° clockwise (while still pressing down) to disengage the bayonet lug. Slowly release the compression of the spring to remove the cocking sleeve. Now you can easily remove the spring and slotted washer.

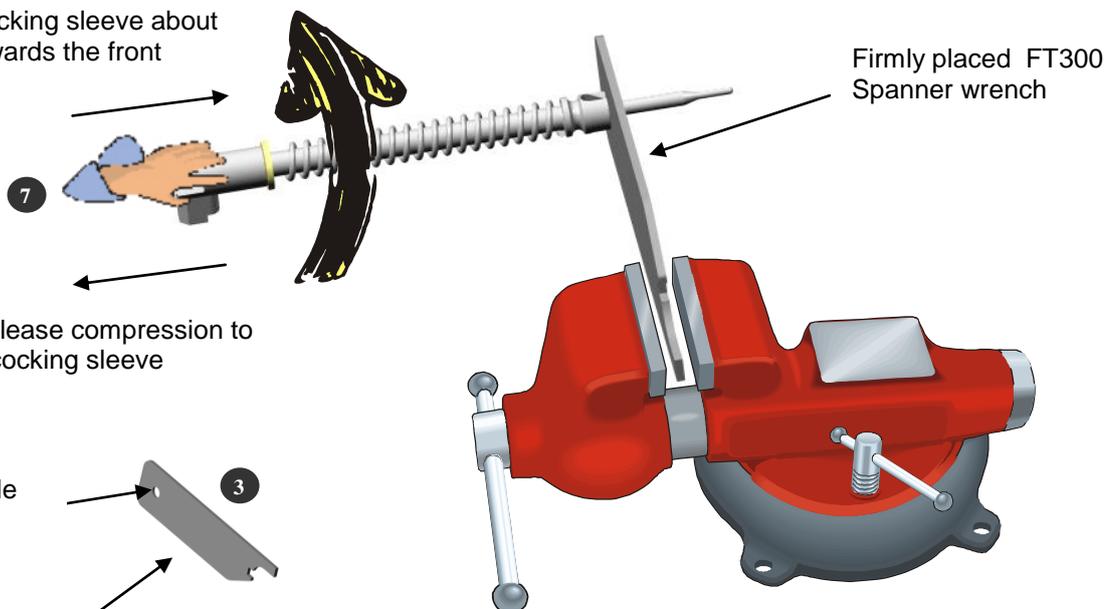
Step 2: Turn cocking sleeve 90° clockwise

Step 1: Move cocking sleeve about 5mm towards the front

Step 3: Slowly release compression to remove cocking sleeve

Stripping hole for firing pin

Spanner wrench FT300

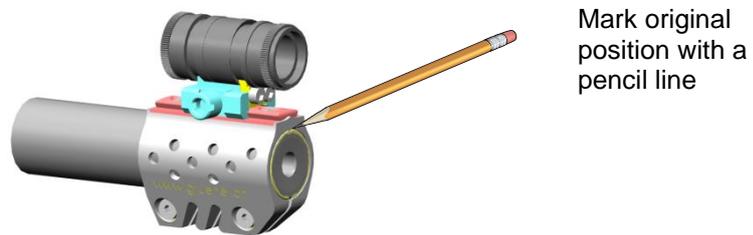


The reassembly of the bolt is done in reverse. Engage the bayonet lug of the bolt cap by compressing and turning it counterclockwise until it securely locks into position. Don't forget to cock the bolt before inserting it as described in chapter 3.

5. Front Sight Clamp

The barreled action is delivered with the fully assembled and correctly positioned front sight clamp. You don't have to disassemble the front sight clamp to transport the rifle, however if you decide to disassemble the front sight clamp follow these steps:

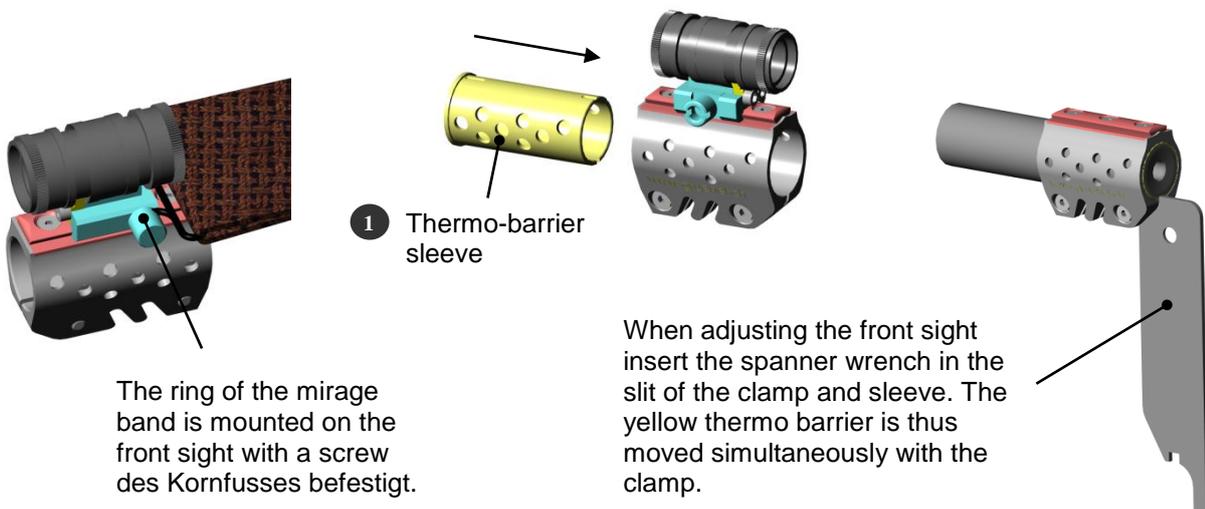
Mark the original position with a pencil line on the front sight band and the muzzle.



Important: Normal tightening of screws is sufficient. Do not overt-tighten screws. This can lead to a significant loss of the rifle's accuracy.

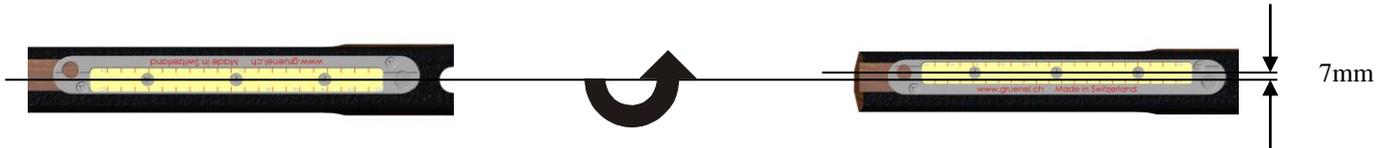
The yellow colored thermo-barrier sleeve ① can easily be positioned. Just insert the sleeve into the front sight clamp and turn it until the two little balls snap into position.

Only remove the thermo-barrier sleeve if it is defective. In case you do have to remove the thermo-barrier sleeve, make sure not to lose the two little balls and springs - they are held in position by the sleeve and will fly through the room if not properly disassembled.

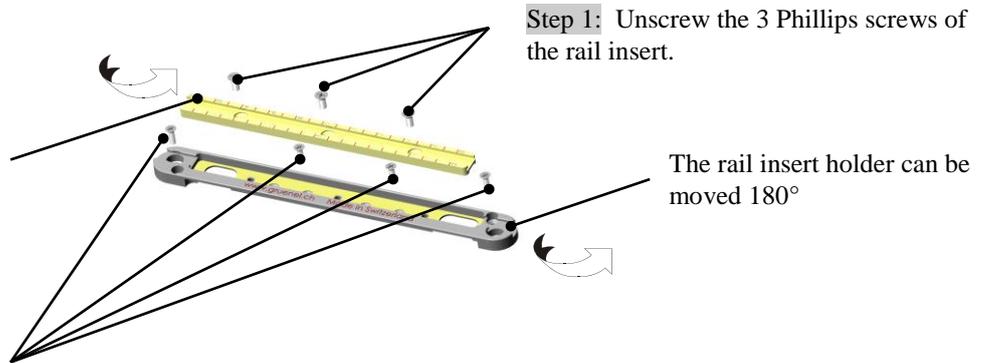


6. Accessory Rail

The accessory rail holder can be turned 180° to move it 7mm off center.



The rail insert should be turned 180° at the same time as the accessory rail holder to prevent the numbered scale from being upside down



Step 1: Unscrew the 3 Phillips screws of the rail insert.

The rail insert holder can be moved 180°

Step 2: Unscrew the 4 Phillips screws from the rail insert holder.

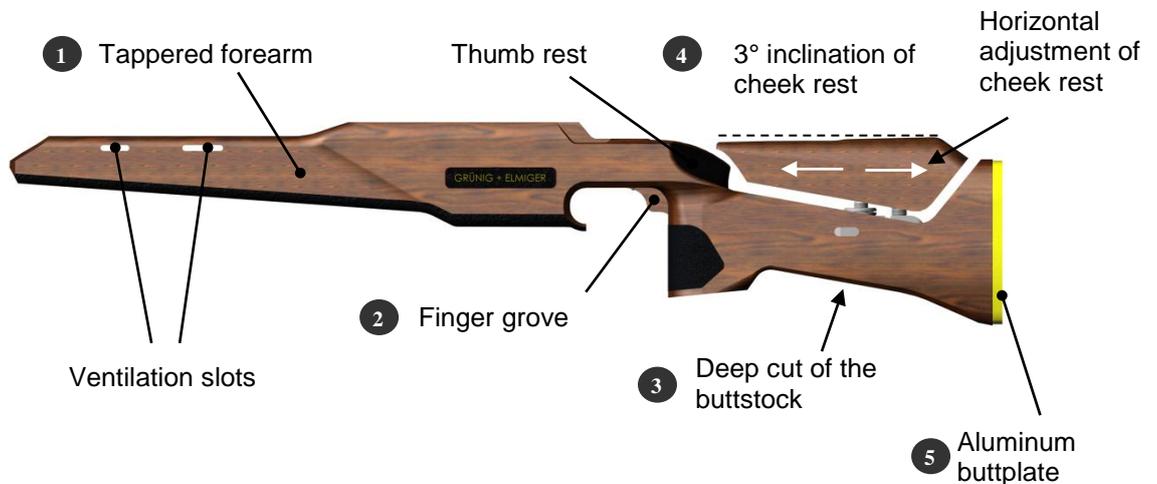
The rail has the same dimensions as any Anschütz-rail. Therefore you can use all Anschütz accessories.

7. Stock

Important: Always transport your rifle in a **hardcover gun case**. This is the only way to properly protect your rifle even when you transport it in a car.



The forearm of the stock is tapered **1** to give the hand more freedom and to prevent the fingers from being forced apart, especially in the kneeling and prone position.

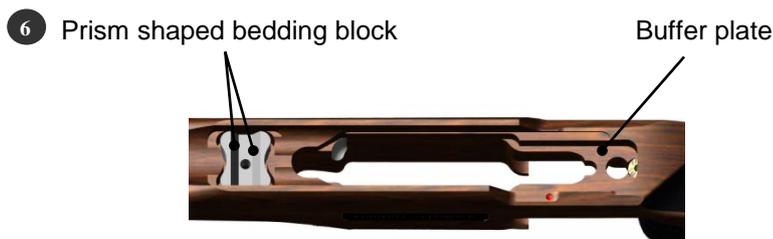


The finger groove **2** guides the index finger to the trigger.

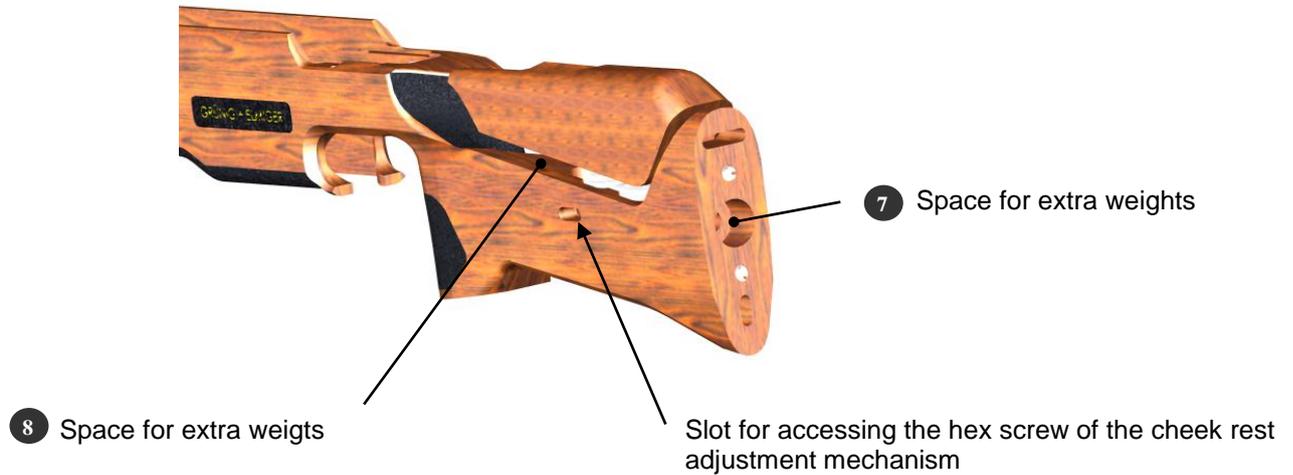
The buttstock is deeply cut at the bottom **3** to prevent the rifle from directly resting on the chest when shooting in the standing position.

The cheek rest is inclined downwards 3 degrees **4** to divert the recoil from the cheekbone. The cheek rest is also elongated so that shooters who rest their heads close to the rear sight have an optimal head position. In addition, the cheek rest can be moved back and forth (see chapter 8).

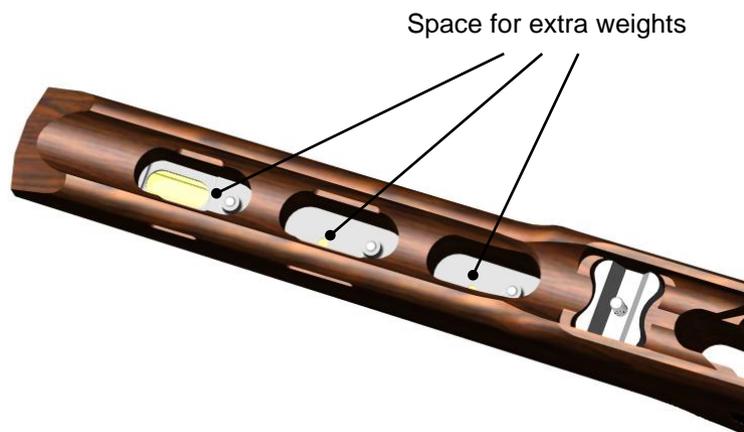
The prism shaped bedding block **6** is cast directly into the stock and cannot be removed. Make sure that the surface of the bedding block and the buffer plate are not damaged.



You can fine tune your FT300 by adding extra weights. Remove the aluminum buttplate 5 and you will find some extra space 7 for weights. If you have trouble making your own weights out of aluminum, steel, or lead, feel free to contact your gunsmith or us directly.



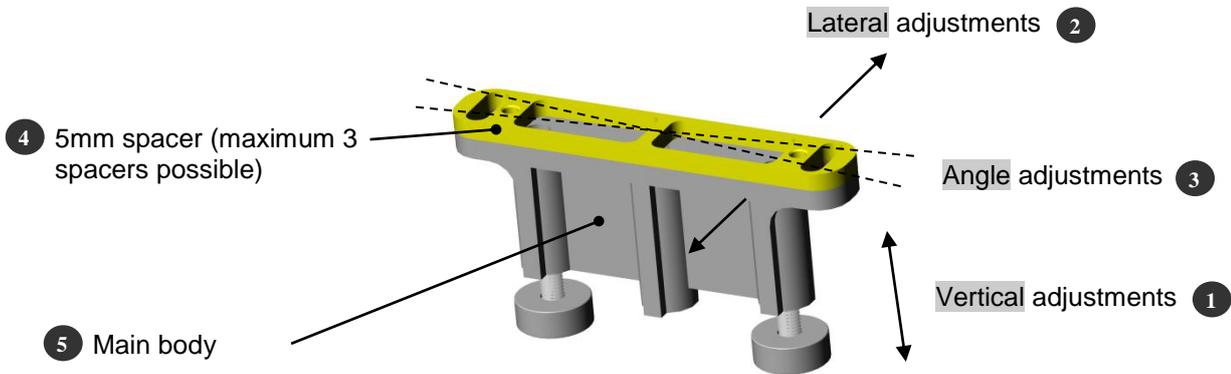
Extra weights can also be used in the forearm of the stock. Please contact your gunsmith or us for proper placement of extra weights.



Always treat the stock like a raw egg – it is worth it!

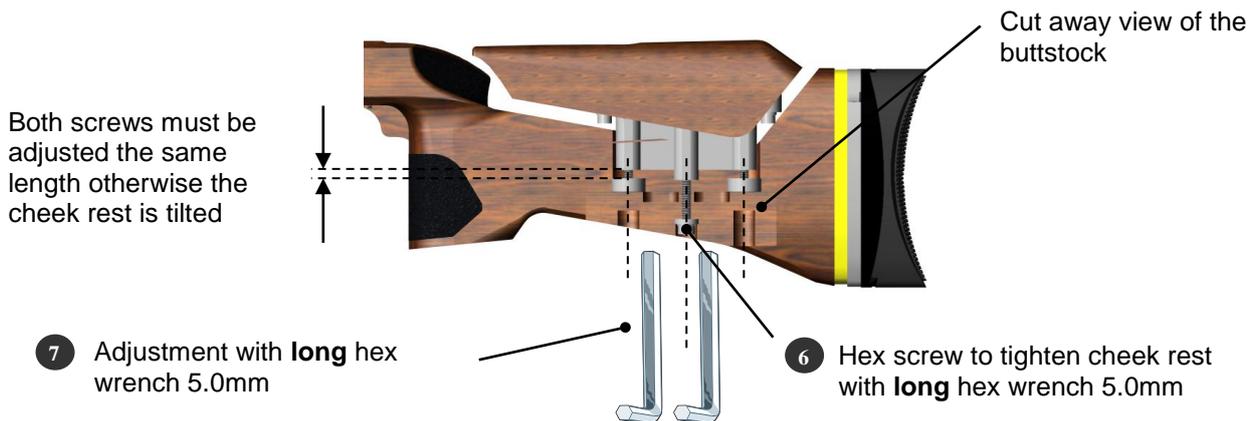
8. Cheek Rest Adjustments

The cheek rest of the base model rifle can be adjusted vertically **1**, laterally **2**, and at an angle **3**. The rifle comes with one 5mm spacer **4**. If you are a shooter who needs to have a high cheek rest, you need to order additional spacers (maximum 3 altogether) for the proper functioning of the main body **5**. Please consult the accessory list in chapter 16 for the exact part number.



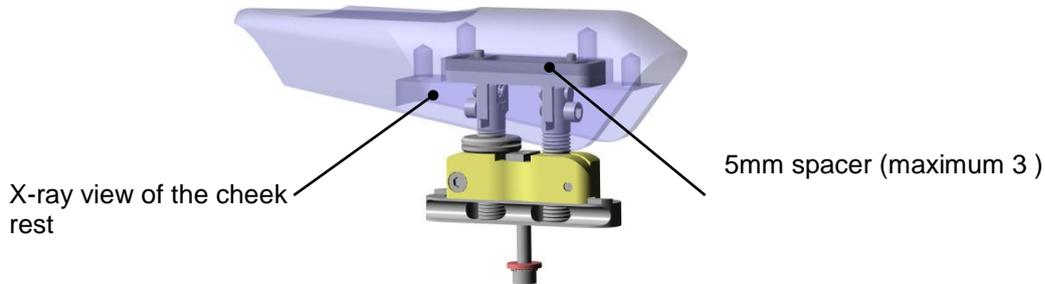
In order to make height adjustments you do not need to take the cheek rest out of the stock. Simply loosen the middle hex screw **6** at the bottom and then use the long hex wrench 5.0mm to turn the two screws **7** to move the cheek rest:

Turn **clockwise** = cheek rest moves **down**
 Turn **counter-clockwise** = cheek rest moves **up**

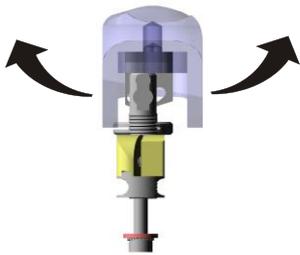


You can switch from the base model rifle to the match model at any time **without** changes to the stock.

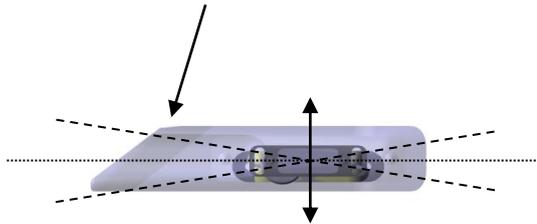
If you opted for the match version, you can adjust the cheek rest almost in any direction: vertically **8**, laterally **9**, asymmetrical laterally **10**, at angle 1 **11**, at angle 2 **12**, and horizontally **13**. If a shooter requires a high cheek rest, you need to order additional spacers (maximum 3 altogether). Please consult the accessory list in chapter 16 for the exact part number.



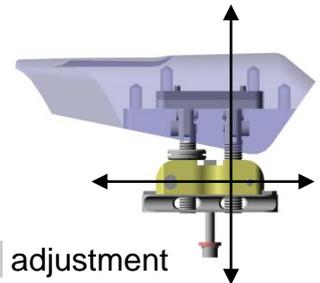
12 Angle 2 adjustment



11 Angle 1 adjustment



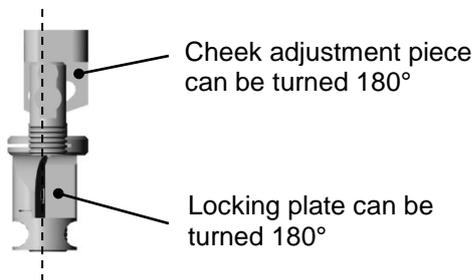
8 Vertical-adjustment



9 Lateral adjustment

13 Horizontal adjustment

10 Asymmetrical



10 Asymmetrical 180°

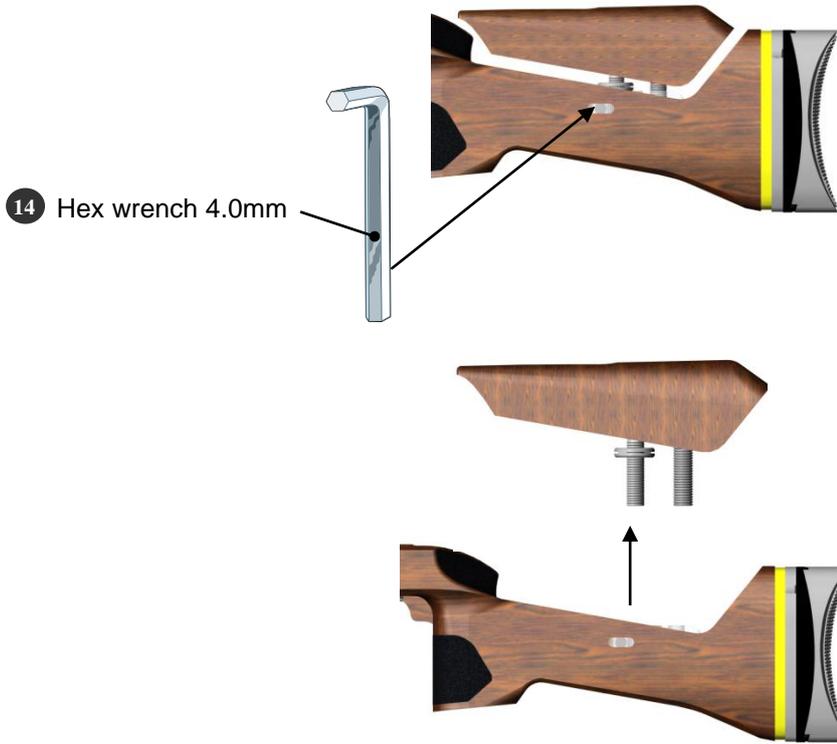


You can either just turn the cheek adjustment piece **180°** or the locking plate **180°** or both at the same time. Do not hesitate to try out what works best for you.

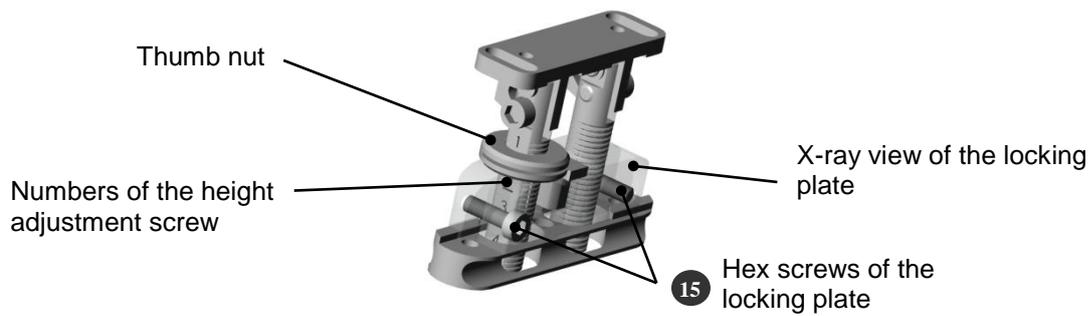
Easy Adjustment of the Cheek rest:

Loosen the two hex screws **15** of the locking plate with the long hex wrench 4.0mm

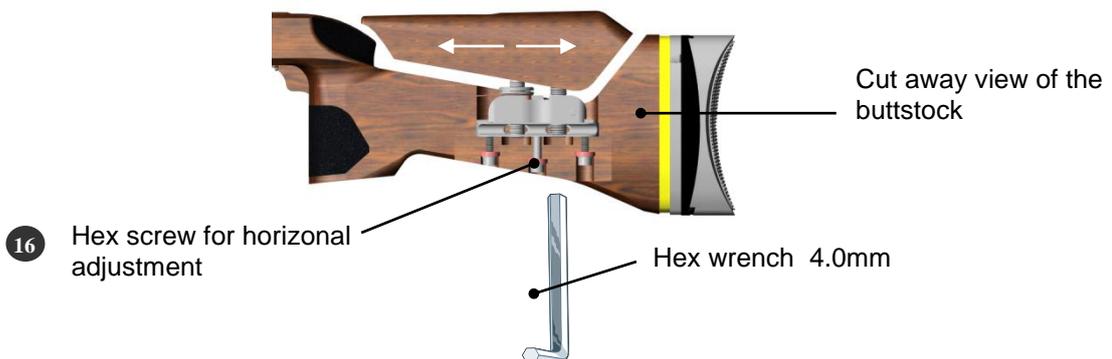
14 Now you can easily remove the cheek rest from the buttstock.



One of the height adjustments screws has engraved numbers and a thumb nut for convenient adjustment.



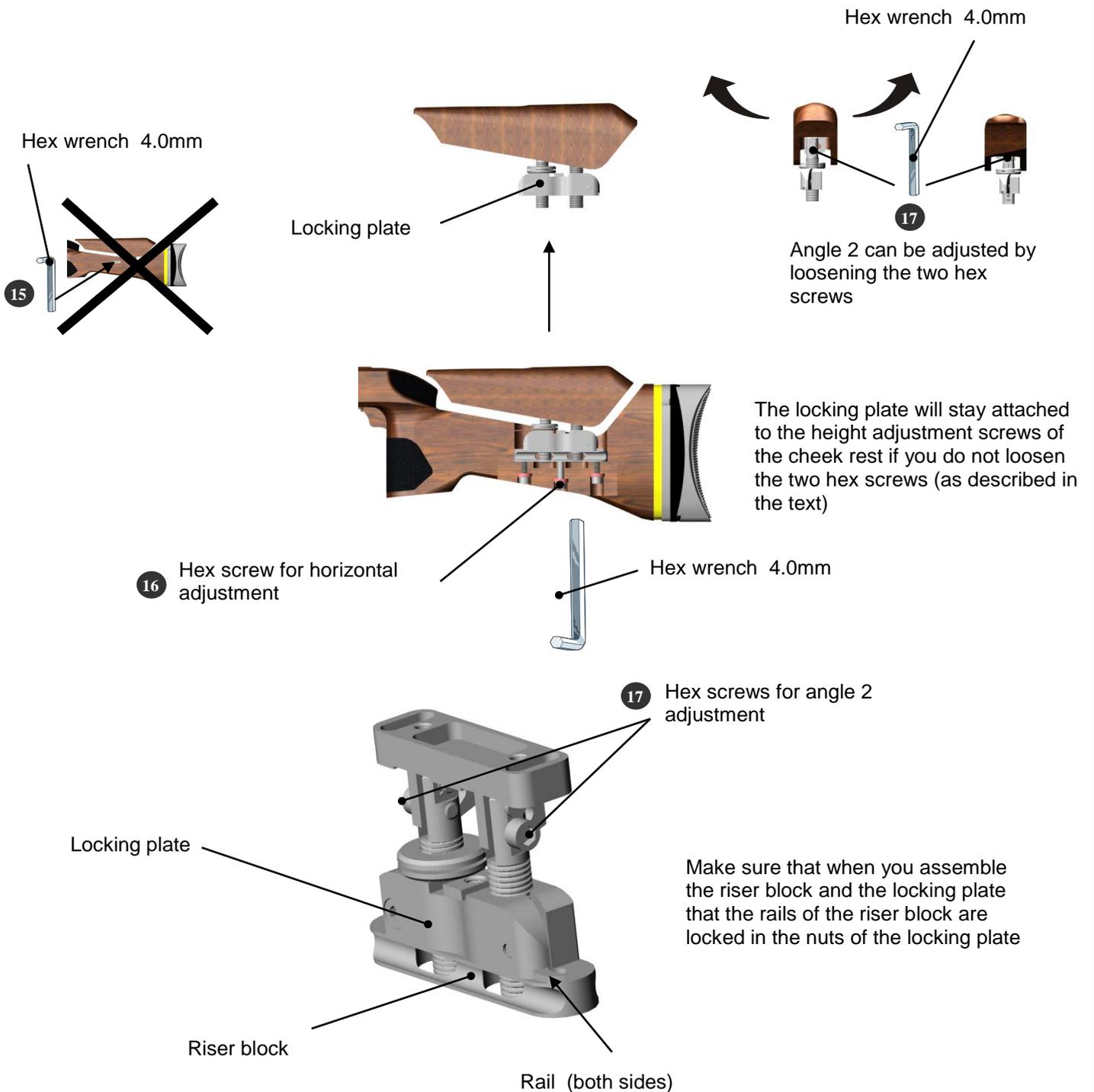
To move the cheek rest horizontally just loosen the middle screw **16** on the bottom of the buttstock.



Important: To adjust angle 2 **12** (see page 13) do **not** loosen the two screws **15** of the clamp. Only loosen the middle screw **16** all the way. Completely remove the cheek rest from the buttstock. Now you can adjust angle 2 **12** by loosening the two hex screws **17**. To see whether the angle is the one you want, insert the cheek rest into the buttstock. Make further adjustments if necessary. When you are finished adjusting tighten the hex screw **16** again.

Why is this necessary ?

The height adjustment screws are guided in the locking plate and thus do not have to be synchronized.

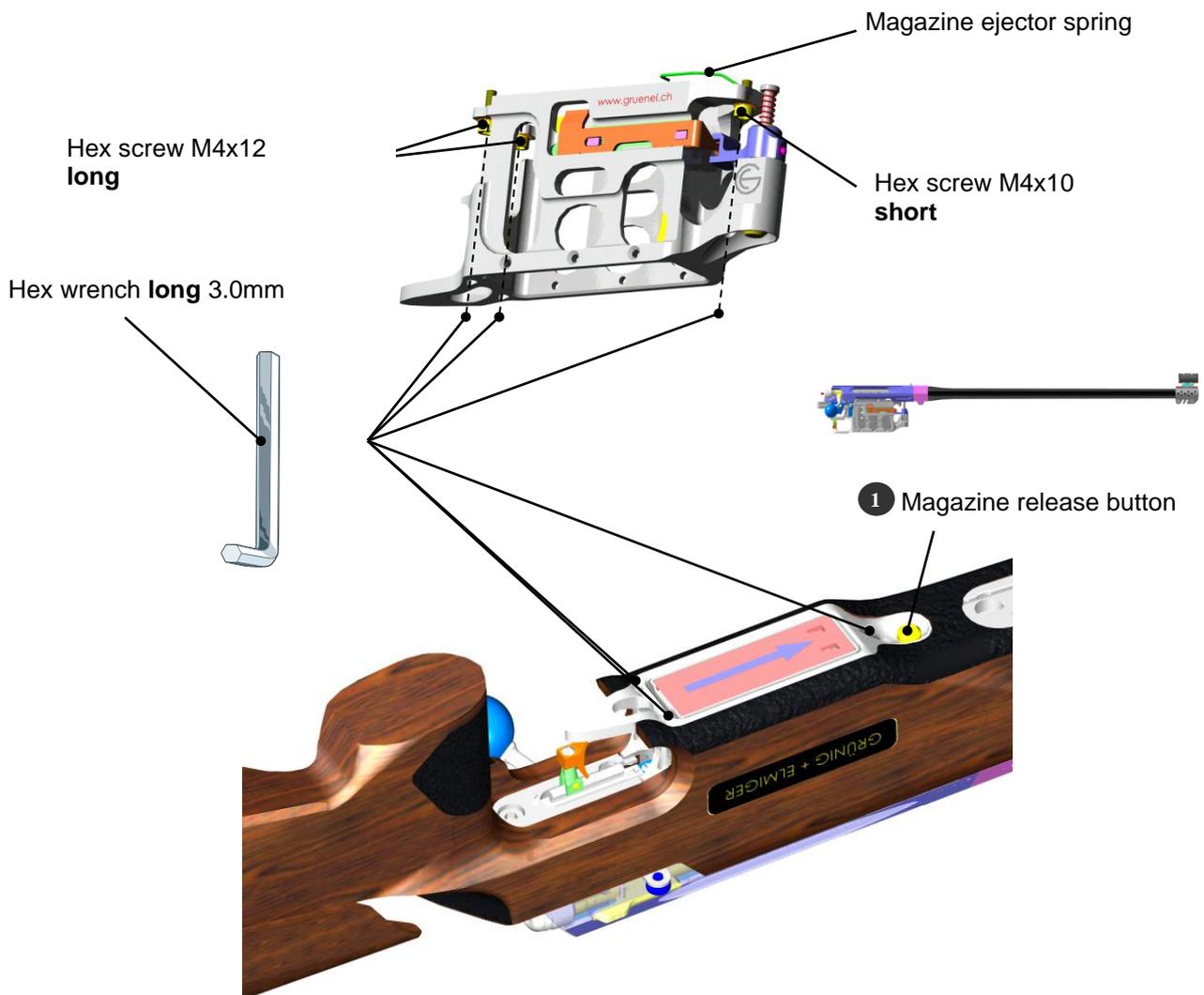


9. Magazine Holder

The magazine holder is attached with three screws to the magazine well and is constructed to be maintenance free. If the magazine holder needs to be detached, please contact a gunsmith or us directly.

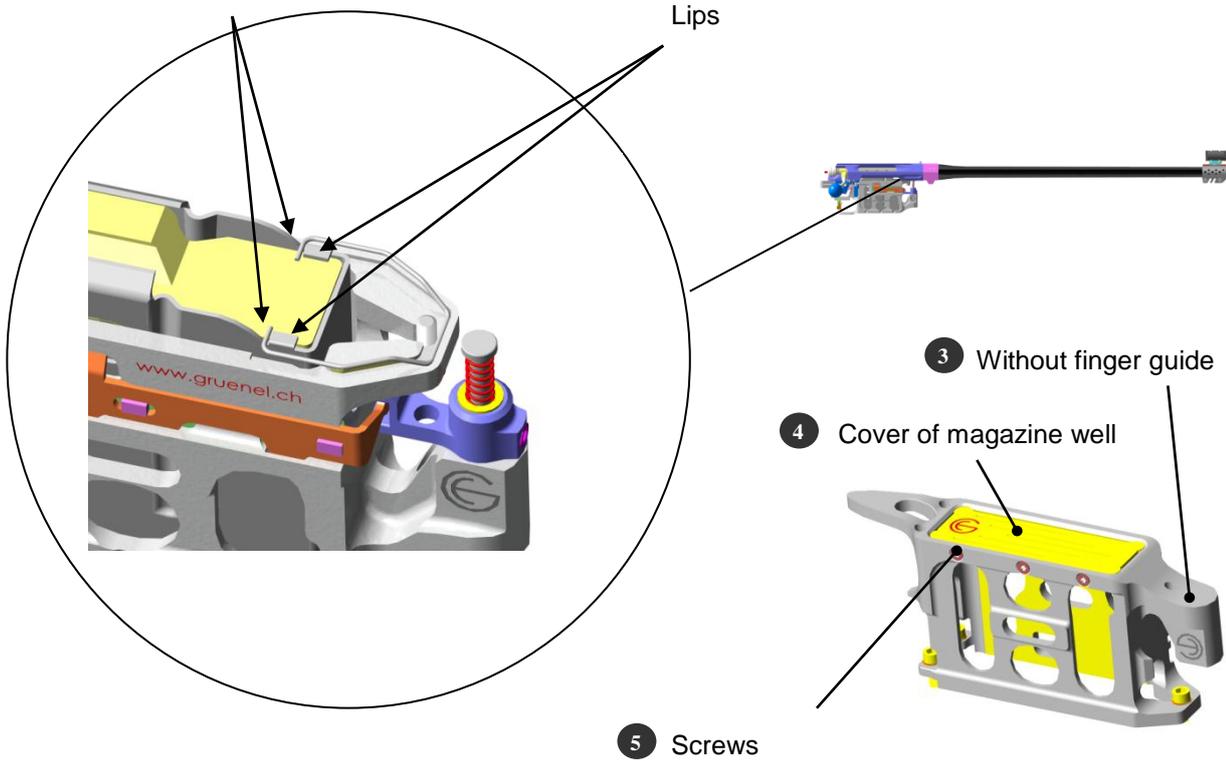
What should you inspect from time to time?

Make sure the three screws are tight. As illustrated below, you can do this with the assembled as well as with the disassembled rifle.



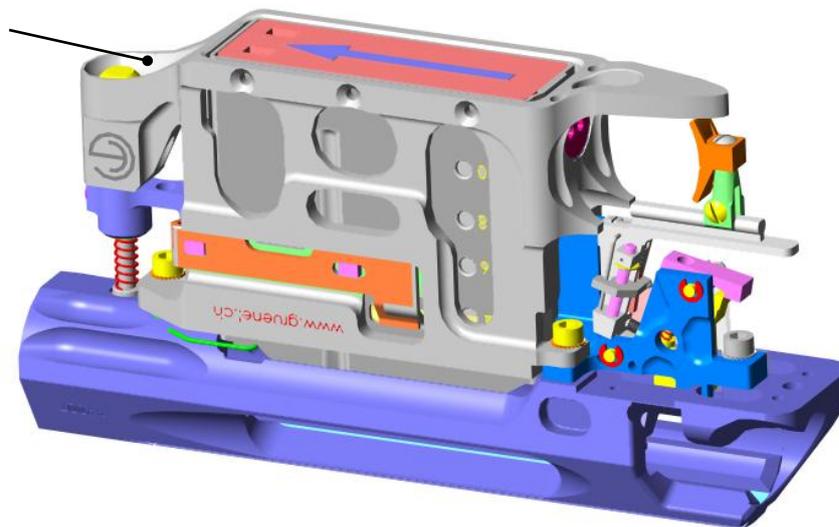
You should be able to insert the magazine without resistance. The magazine ejector has to click into place without any effort. When the magazine release button **1** is pressed the magazine must be released instantly and without resistance.

The magazine ejector spring must be placed correctly behind the two lips

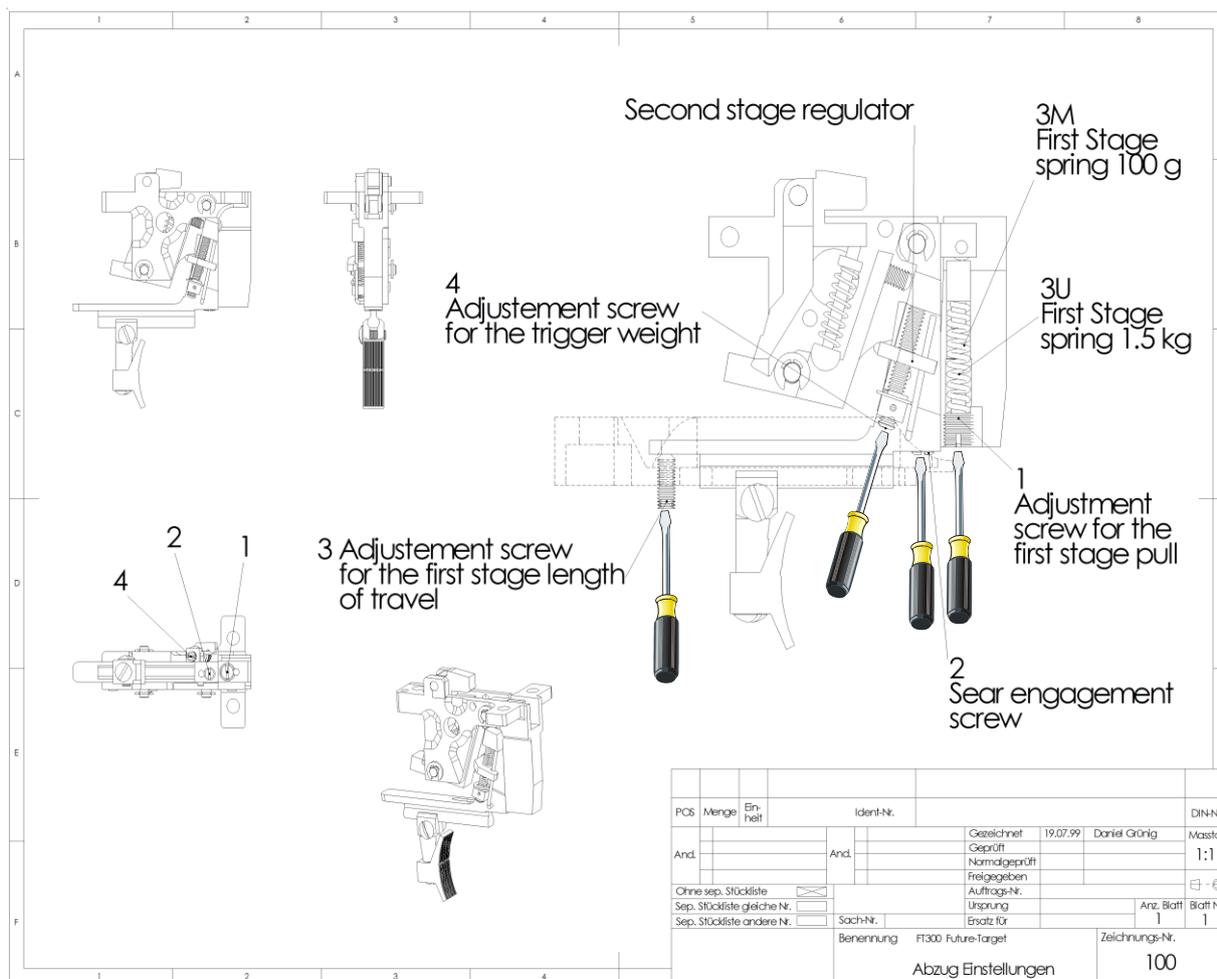


Rifles without the magazine have a magazine well without the magazine holder mechanism. In addition, the magazine well lacks the finger guide for the magazine release button 3. The magazine well is closed with a cover 4 which is held into place with six screws 5.

Finger guide



11. Trigger Adjustments



Adjusting the Trigger

The UIT-Standard-Rifles have a 1.5 kg trigger as delivered from the factory, with the first stage set to about 1,000 grams. You can adjust the total pull weight, the pull of the first stage, and the travel of the first stage.

Adjusting the Trigger Blade (UIT-Standard)

The trigger blade can be adjusted horizontally along the trigger bar.

Adjusting the Travel of the First Stage

Turning the adjustment screw **3** clockwise will reduce the travel; turning it counterclockwise will increase the travel.

Adjusting the Sear Engagement

Turning the adjustment screw ② clockwise will **increase** the sear engagement. Turning it counter clockwise will **decrease** it.

If the trigger drags, turn adjustment screw ② counter clockwise in small increments until the drag disappears. While performing this adjustment the trigger pull will **decrease** at the same time. Thus you have to compensate for this with adjustment screw ④ .

If there is no (or too little) transition to the second stage, turn adjustment screw ② clockwise incrementally until achieving the desired setting. While performing this adjustment the trigger pull will **increase** at the same time. Thus you have to compensate for this with adjustment screw ④ .

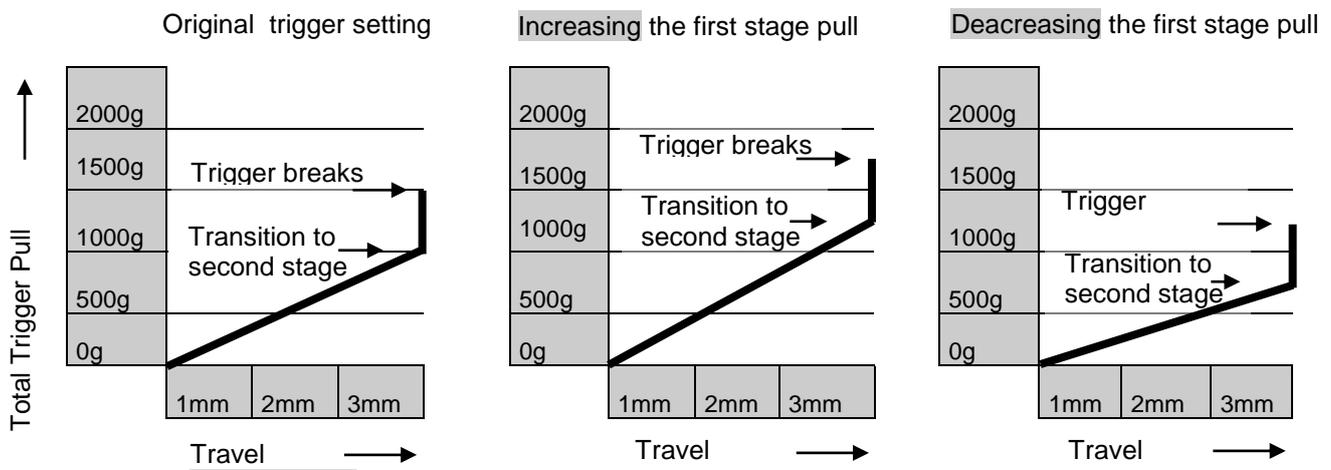
Adjusting the Trigger Pull **without** Altering the Pull of the First Stage

The **minimum** trigger pull weight, required by UIT, is 1,5 kg. Any adjustment is made with screw ④ . Turning the screw clockwise will increase the trigger pull weight turning the screw counter-clockwise will decrease the trigger pull. Each adjustment requires a resetting of the adjustment screw ② in the same direction.

See (above): Adjusting the Sear Engagement

Adjusting the First Stage Pull

Each adjustment of the first stage pull automatically **changes the total pull weight (1.5 kg) of the trigger (see diagrams below)**. Turning adjustment screw ① clockwise will increase the first stage pull; turning the screw counter clockwise will decrease the first stage pull. If the total trigger pull weight becomes less than the required 1.5 kg, you need to re-adjust the total trigger pull with adjustment screw ④ .



See (above): Adjusting the Trigger Pull **Without** Altering the Pull of the First Stage

If you made significant adjustments to the trigger we recommend asking a gunsmith to check the total trigger pull weight of 1.5 kg only on the barreled action (see illustration below). This will keep you out of trouble at competition checks.



Barreled action

12. Rubber and Aluminum Buttplate



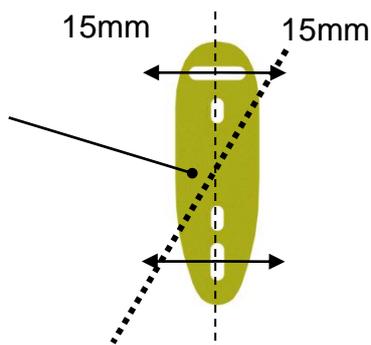
To lengthen the **rubber buttplate** you can use our **8mm** aluminum spacers (see accessories at the end). If you insert more than three spacers you need to purchase **longer** screws from an authorized dealer or directly from us.



To lengthen the **aluminum buttplate** you can use our **8mm** spacers (see accessories at the end). If you insert more than three aluminum spacers you need to purchase **longer** screws from an authorized dealer or directly from us.



Aluminium buttplate (yellow)



According to the new UIT rules you can move the buttplate only 15mm in a line straight from the center (regular dashed line)

Important: The buttplate cannot be canted (see bold dashed line).

13. Front and Rear Sight

The rifle includes an Anschütz rear sight (model 7002). Please read the original Anschütz instructions for this rear sight. We add some useful information below:

Both the elevation and windage adjustment at 300 meter is 1.5cm per click (for the 10 click rear sight) and 0.75cm per click (for the 20 click rear sight). We only deliver the 20 click rear sight upon explicit request.

Never change the rear sight angle during competition because it can change your zeros. Thus, only change the rear sight angle if you are allowed sighters

For both front and rear sight you can use all accessories of Grünig & Elmiger AG, Centra, AHG-Anschütz, J.G. Anschütz and Gehmann.



Anschütz rear sight



Anschütz front sight

14. Maintenance and Cleaning

Wipe the bolt from time to time with a clean, lint-free cloth. Afterwards apply some gun oil sparingly.

We recommend cleaning the barrel carefully as follows after each shooting:

Apply solvent or gun oil to the barrel immediately after shooting to remove powder residue (the barrel should still be warm).

Clean the barrel and chamber from the breach end with a high grade cleaning rod and brass brush. The brush must be completely soaked in solvent and when it clears the muzzle unscrew it before withdrawing the cleaning rod, in order not to damage the muzzle. Repeat this procedure 2-3 times and then clean with VG 640 bore swabs or cleaning patches until all residue is removed.

Lightly oil the bore and chamber.

Don't forget to wipe the bore clean with some dry patches before the next shooting!

After shooting 200-300 rounds, we recommend that you remove fouling with a special bore cleaning solvent such as Robla Solo. Please carefully follow the manufacture's instructions.

All external parts, such as the bolt and the exterior of the barrel should be wiped off with a lightly oiled cotton cloth. We especially recommend the environmentally friendly gun oil manufactured by Ballistol



For more information on the gun oil Ballistol consult their website:
www.klever-ballistol.de

15. Servicing the Rifle

The standard rifle FT300 is made with the most modern materials and techniques. However, in every rifle there is normal wear and tear, in particular in the barrel. We therefore recommend, that you send your rifle once a year to your gunsmith or us for a check up (usually the best time is Winter).

During the check-up we inspect and measure the following:

- Caliber of the barrel
- Muzzle
- Chamber
- Bore (using a bore scope)
- Trigger
- Bolt and firing pin
- Stock
- Test shooting

In addition all other parts are inspected visually.

We offer you this service **once a year** for CHF 85.- This offer is **valid until the year 2003** (transportation cost are **not** included). Please call us to make reservations for this service to make sure you have your rifle back as soon as possible.

We also recommend that you keep track of the number of shots fired. This makes it easier for us to better judge the barrel and make appropriate recommendations.

16. Accessory List

Front sight
Accessories



Part-No. 16.3120



Iris aperture 120
2.8 – 4.8mm
clear glass

Part -No. 16.3145



Iris aperture GE 145
2.8 – 4.8mm
changeable from cross
hair to horizontal hair

Part -No. 16.3245



Varioswing GE 245
2.5 – 5.0mm
changeable from cross
hair to horizontal hair

Part -No. 16.3170



Duo iris aperture
2.8 – 4.8mm / 6.4 - 9.0
changeable from cross
hair to horizontal hair

Part -No. 16.3180



Duo-Iris aperture front
sight clear glass
2.8 – 4.8mm / 6.4 - 9.0

Part-No. 16.3074



Set of colored plastic
rings (blue / red / silver /
yellow / green)

Part-No. 16.0430



Anschütz front sight
inserts including post
sights 16.0440

Rear sight accessories



Part-No. 16.3190



Large, translucent eyeshield

Part -No. 16.3191



Small, translucent eyeshield

Part -No. 16.3011



GE 11 Iris aperture
0.5 –3.0 mm

Part-No. 16.3030



GE 33 Iris aperture
5-color filter
0.5 –3.0 mm

Part -No. 16.3044



GE 44 Iris aperture
5-color plus + polarization filter
0.5 –3.0 mm

Part -No. 16.3055



GE 55 Iris aperture
Polarization filter
0.8 –3.0 mm

Part -No. 16.3074
Thin version

Part -No. 16.3075
Thick version



Set of colored plastic rings (blue / red / silver / yellow / green)
thin and **thick** version

Part -No. 16.0120



6720 – U1 Rubber eyeshade

Accessory Rail

Part -No. 16.0960



Bipod 4770 (useful to set down the rifle for rest or cleaning)

Part -No. 16.0860



Handstop with sling swivel 6225

Part -No. 16.0845



Handstop with sling swivel 4734 /1 ø32 mm

Part -No. 16.0850



Handstop with sling swivel 4751

Part -No. 16.0852



Handstop with sling swivel 4752

Part -No. 16.3300



Centra handstop with sling swivel

Part -No. 16.6020 / 16.6030 Right hand

Part -No. 16.6021 / 16.6031 Left hand



UIT sling (right and left hand)

**Miscellaneous
Accessories**

Part -No. 16.0660



4405 Torque wrench

Part -No. 28.4580
For one rifle

Part -No. 28.4610
For two rifles

Part-No. 28.4640
Extra large model



Gun case for one or
for two rifles (including
extra large model)

Part -No. 16.2188



Universal wrenches



Gun safes
Security level **A** and
Security level **B**
(separated)

FT300 Accessories

Part -No. 16.0730



8mm spacer only for the **rubber** but plate

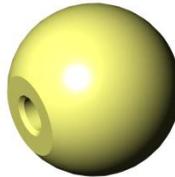
Part -No. 407-04-013



8mm washers only for **aluminum** but plate

Part -No. 205-01-010
30mm silver

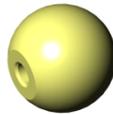
Part -No. 205-01-015
30mm yellow



Aluminum bolt handle knob **30mm** (silver or yellow)

Part -No. 205-01-013
25mm silver

Part -No. 205-01-014
25mm yellow



Aluminum bolt handle knob **25mm** (silver or yellow)

Part -No. 407-05-004



5mm cheek rest spacer for **base model** (see chapter on cheek rest adjustment)

Article-No. 407-06-018



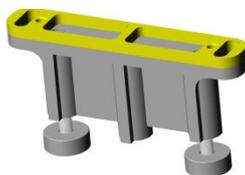
5mm cheek rest spacer for **match model** (see chapter on cheek rest adjustment)

Article-No. 407-05-002



Complete cheekrest adjustment mechanism for **match model**

Article-No. 407-06-021



Complete cheekrest adjustment mechanism for **base model**



VFG bore swabs for different calibers



VFG cleaning rods (one piece or multiple pieces)