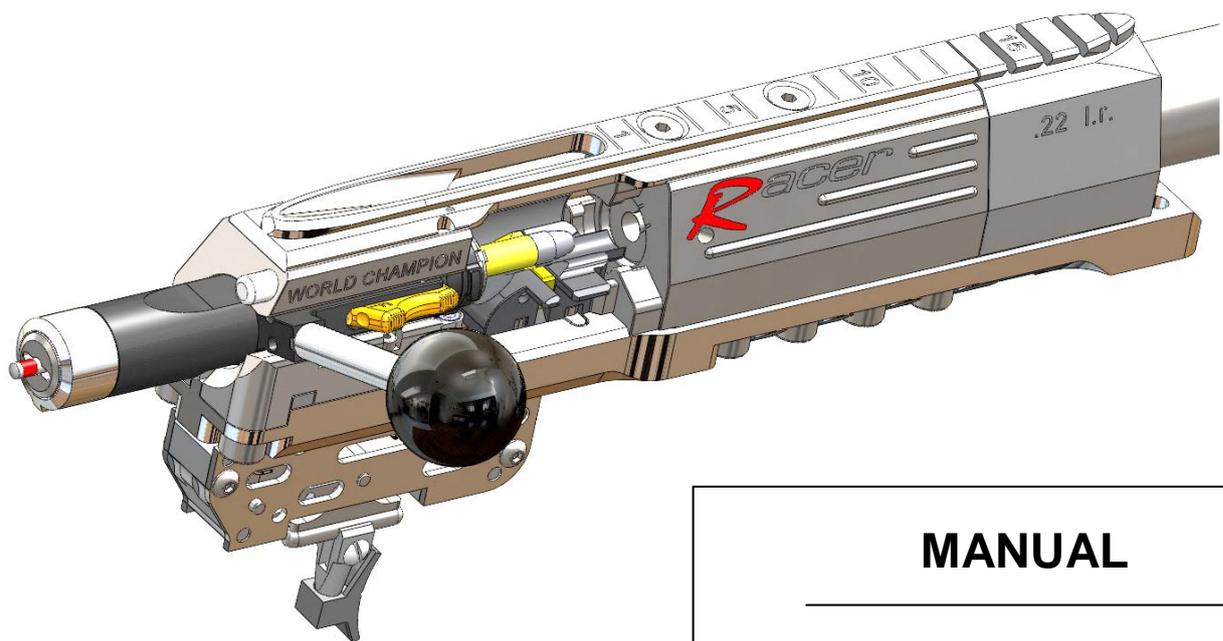


Racer

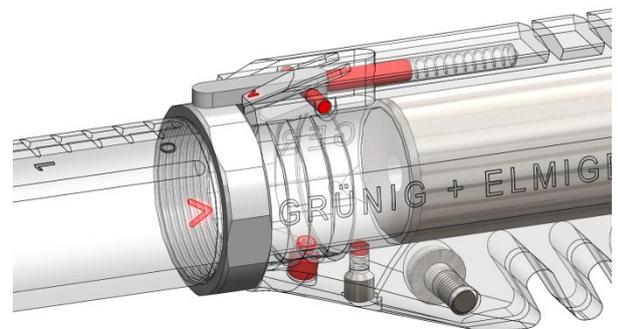
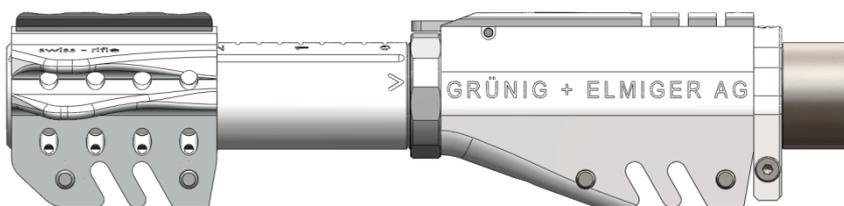
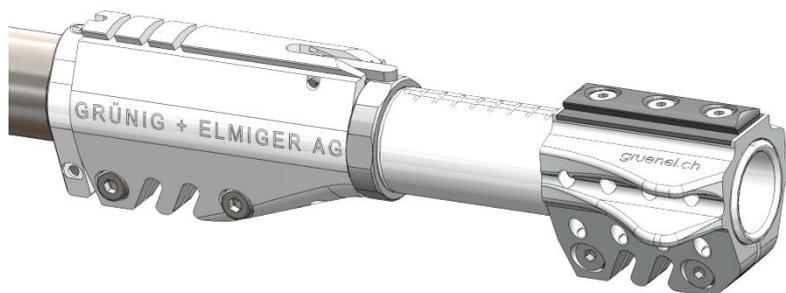
WORLD CHAMPION

SMALL BORE RIFLE .22 l.r.



MANUAL

Sight Extension



Sight Extension

| | |
|---------------------------------------------|--------|
| -General information | Page 2 |
| -Installing sight extension | Page 3 |
| -Moving front sight base on sight extension | Page 3 |
| -Installing front sight base | Page 4 |
| -Disassembling sight extension | Page 5 |
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| -Assembling sight extension | Page 6 |
| -Parts list | Page 7 |
| -Exploded view of sight extension | Page 8 |

Dear Target Shooter

Congratulations on the acquisition of your new target rifle. Our rifles are used worldwide with great success. We are convinced that your decision was easy. Our products fulfill the highest engineering standards and are manufactured with the latest product technology.

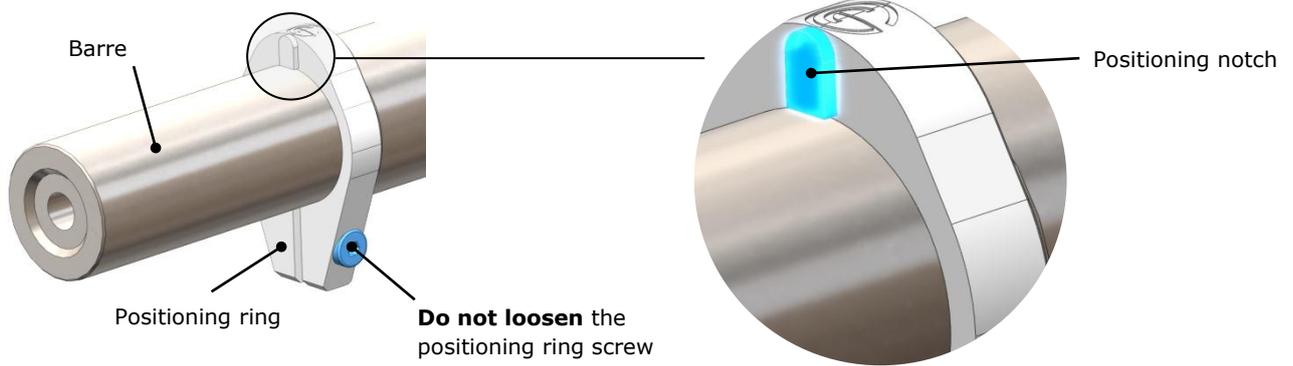
Please carefully read the following before using your new rifle:

1. Always consider a rifle loaded until you personally checked that it is not. Make sure the action is open when you carry the rifle around so everybody can see that your rifle is unloaded.
2. Make sure the muzzle is always pointed downrange or in a safe direction!
3. Always make sure that you are using the correct ammunition for your rifle.
4. Before shooting always check to see that your barrel is not obstructed.
5. The safety lever must always be pushed all the way in either "safe" or „ready to fire" position (F)! Always keep your rifle on "safe" until you are ready to fire. Make sure there is nothing between the muzzle and the target before you release the safety lever. Always keep the finger off the trigger until you are ready to shoot.
6. Except for cleaning, your rifle should only be disassembled by an authorized gunsmith.
7. The life of your rifle and your barrel depends on proper care. Please carefully follow the instructions in your rifle's manual.
8. Target rifles should only be used by an experienced shooter or under the supervision of such an individual.

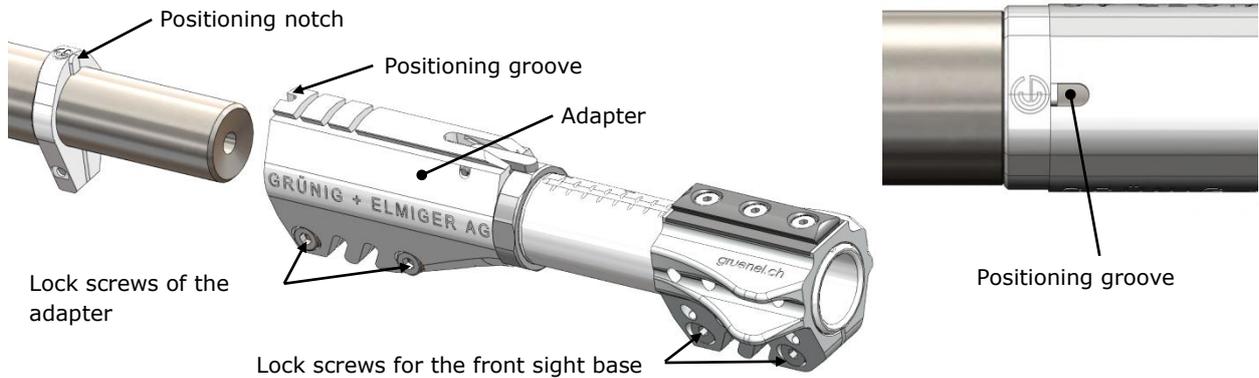
(190511/1757)

Installing sight extension

The positioning ring is already installed and adjusted by the factory. The positioning ring screw is secured with Loctite. Do **not** loosen the positioning ring or you will lose the factory settings.

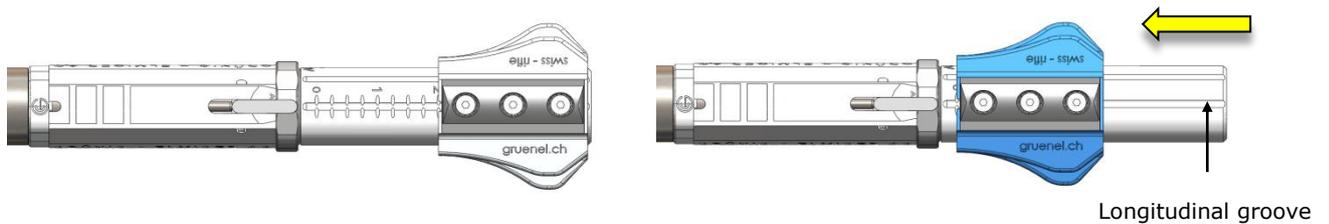


The lock screws of the adapter must be loosened first. You can then slide the sight extension onto the barrel. Join the positioning groove of the adapter with the position notch of the positioning ring. Then tighten the lock screws of the adapter.

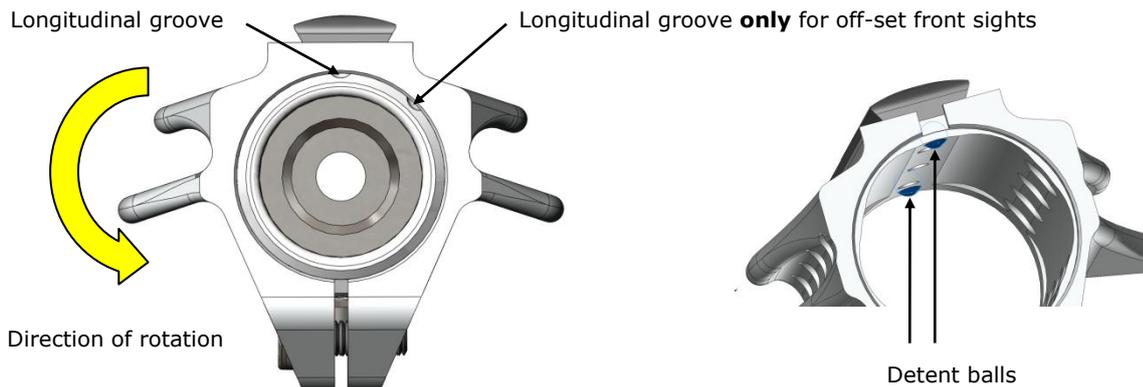


Sliding front sight base on the sight extension

After loosening the lock screws the front sight base can be slid back and forth.

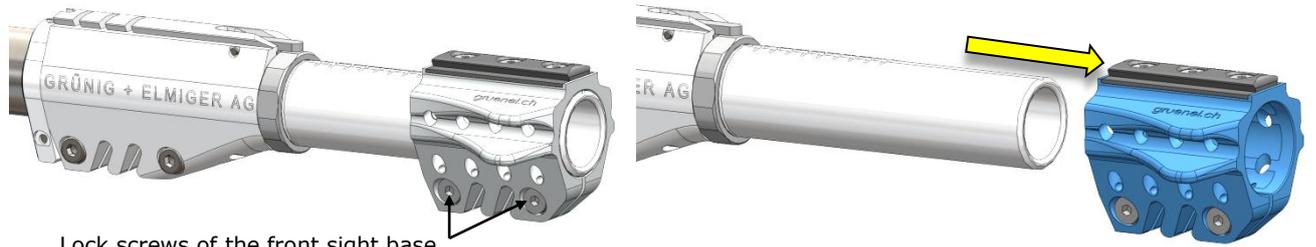


Make sure that the two detent balls are locked into the longitudinal groove. The locking guarantees that the front sight base is always positioned the same.



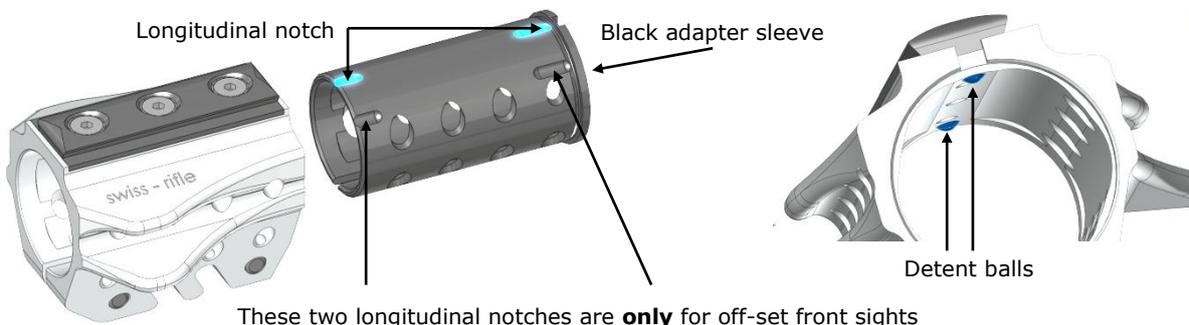
Installing front sight base

The front sight base can be attached directly to the barrel without the sight extension. Loosen the two lock screws on the front sight base and remove it by sliding it off the extension tube.



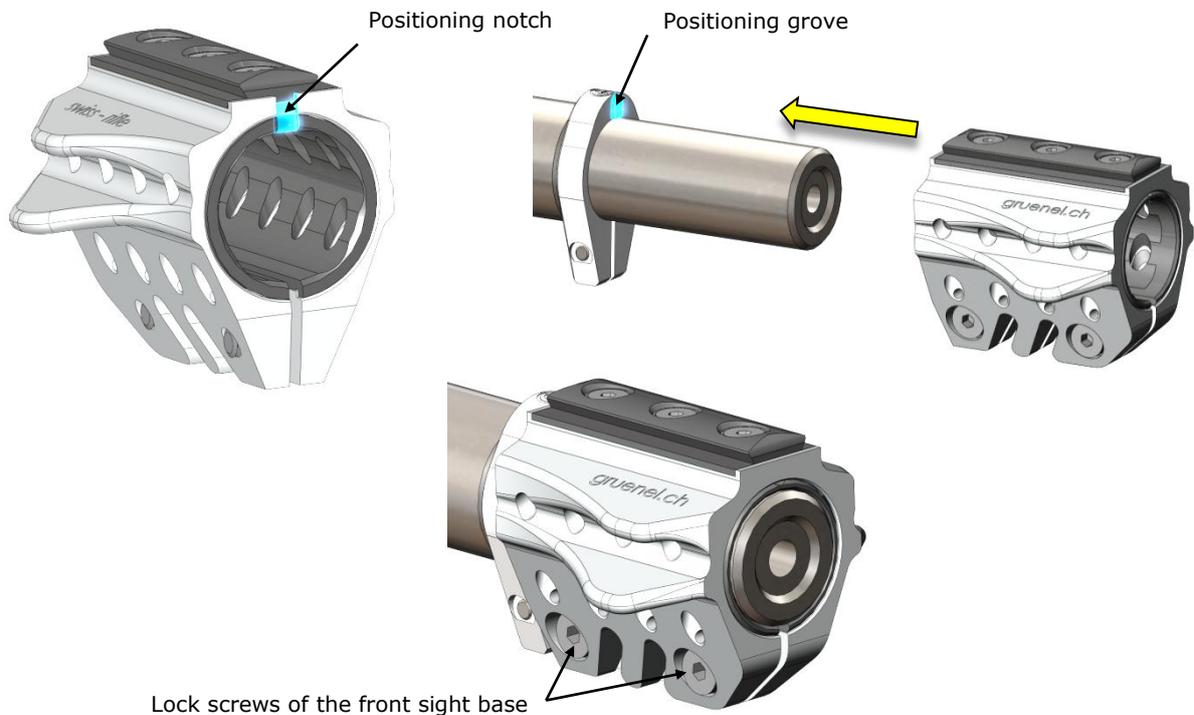
Lock screws of the front sight base

To attach the front sight base directly to the barrel, you have to insert the black adapter sleeve into the front sight base. The adapter sleeve bridges the gap from the barrel diameter (20mm) to the front sight diameter (23mm). Please make sure that the two detent balls lock into the two indentations of the adapter sleeve.



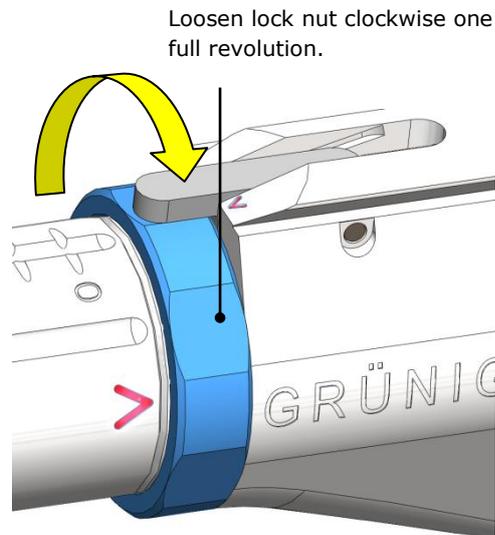
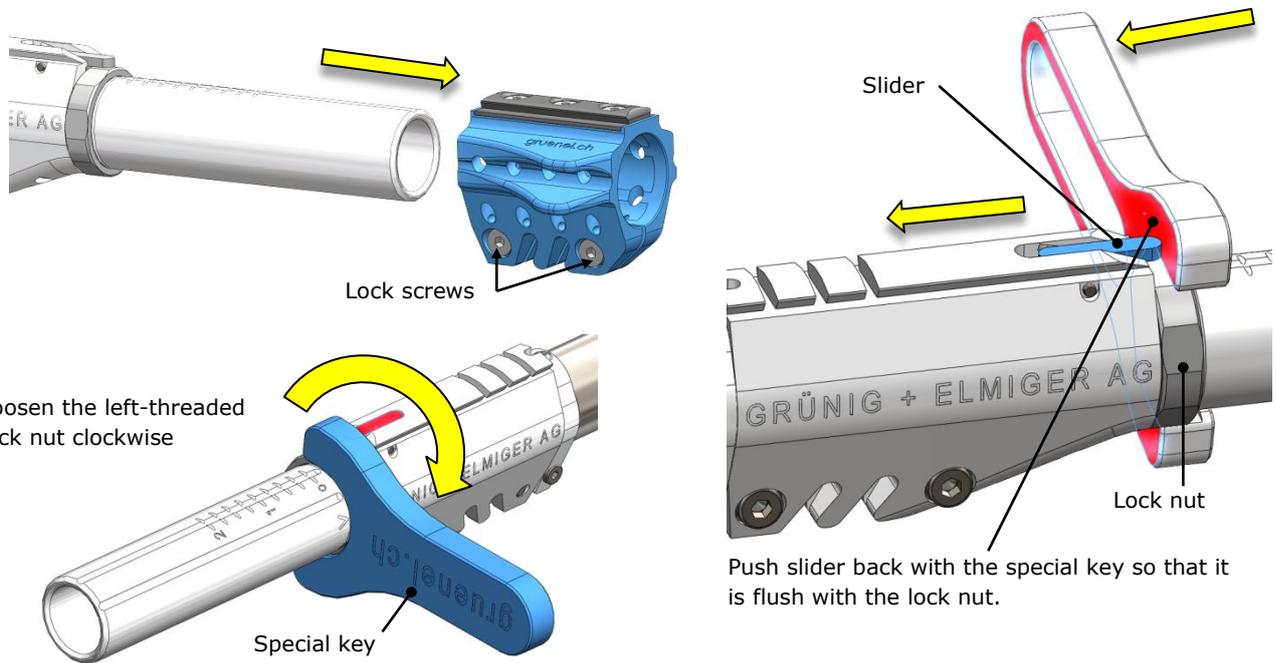
These two longitudinal notches are **only** for off-set front sights

Check: When the adapter sleeve is installed correctly, the two position notches of the sight base tunnel and the adapter sleeve will align perfectly.

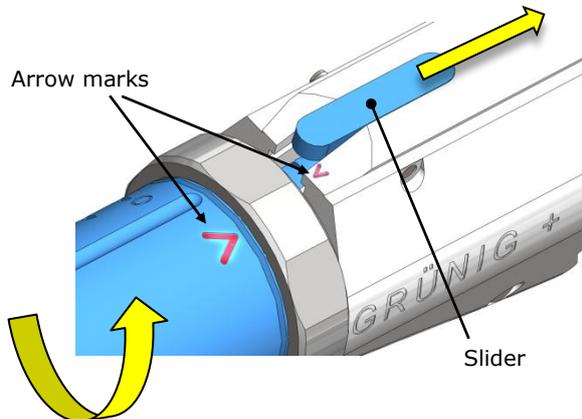


Disassembling barrel extension

You can exchange the different extensions tubes when the sight extension is either assembled or disassembled. Loosen the two lock screws of the front sight base and remove it. Slide the special key over the lock nut according to the picture below.



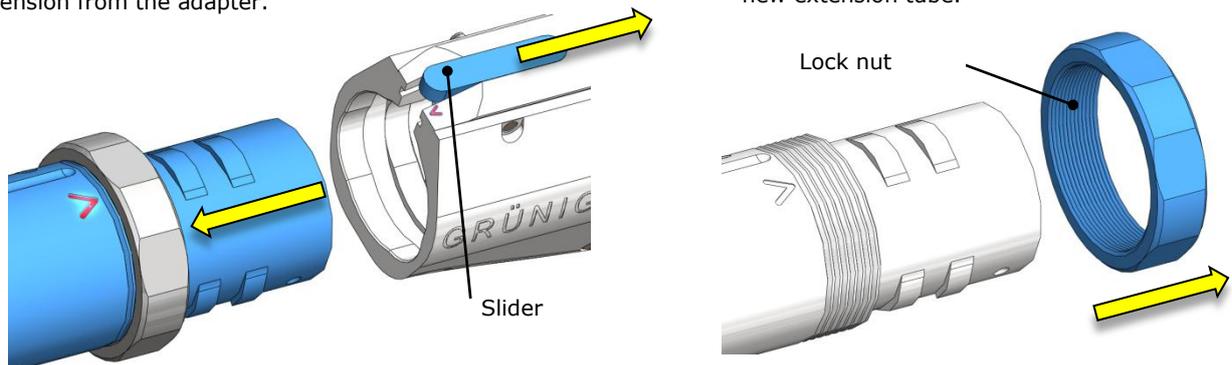
Push the slider back with your thumb as far as possible. Rotate extension tube counterclockwise until the two marker arrows align. You should feel the "click-in" of the detent ball.



Important:

Push slider with your thumb as far back as possible. Then carefully remove the sight extension from the adapter.

Remove the lock nut and screw it on the new extension tube.

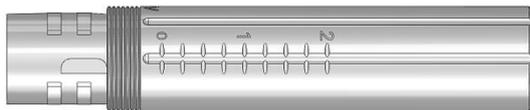


Exchanging different extension tubes

The rifle is shipped from the factory with the short extension tube (109mm – ca. 4.3 inches). It can be swapped for two different extension tubes:

| | |
|------------------------|-------------------------|
| Short extension tube: | 109mm (ca. 4.3 inches) |
| Medium extension tube: | 191mm (ca. 7.5 inches) |
| Long extension tube: | 271mm (ca. 10.7 inches) |

To disassemble the sight extension follow instruction on page 5. To assemble the sight extension follow the instructions on this page.



109mm (ca. 4.3 inches)



191mm (ca. 7.5 inches)



271mm (ca. 10.7 inches)

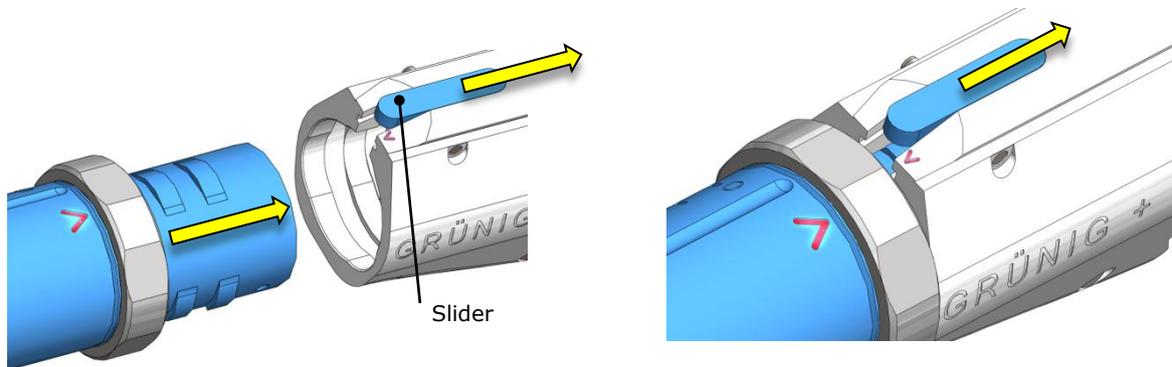
Assembling sight extension

Use the instructions to disassemble the sight extension on page 5 **in reverse order**.

Important:

Push the slider back with your thumb as far as possible. Align the two marker arrows and carefully insert the extension tube into the adapter.

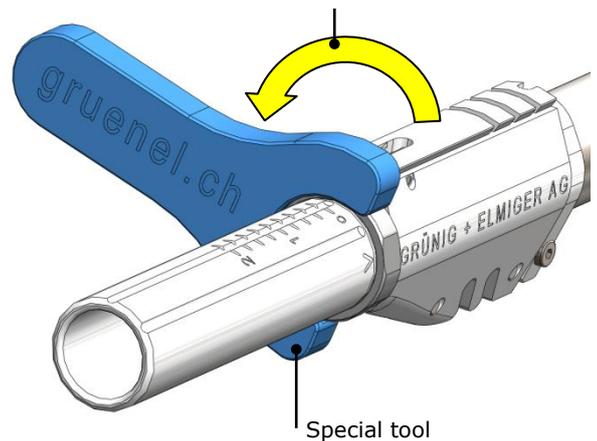
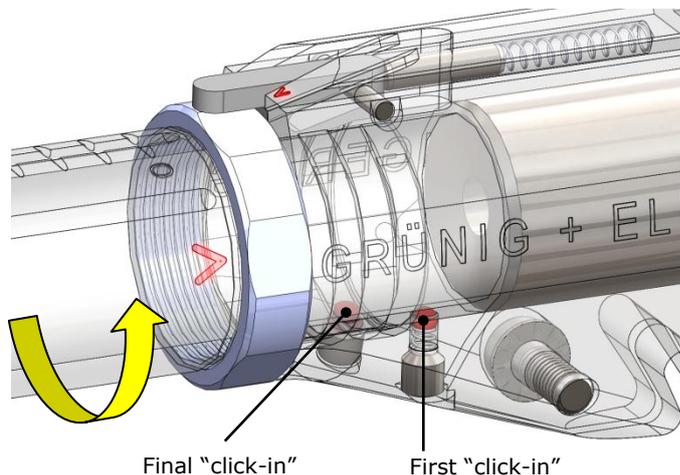
When inserting the extension tube into the adapter you should be able to feel the "click-in" of the detent ball.



Rotate the extension tube clockwise until you feel the detent ball "click-in" at 60°.

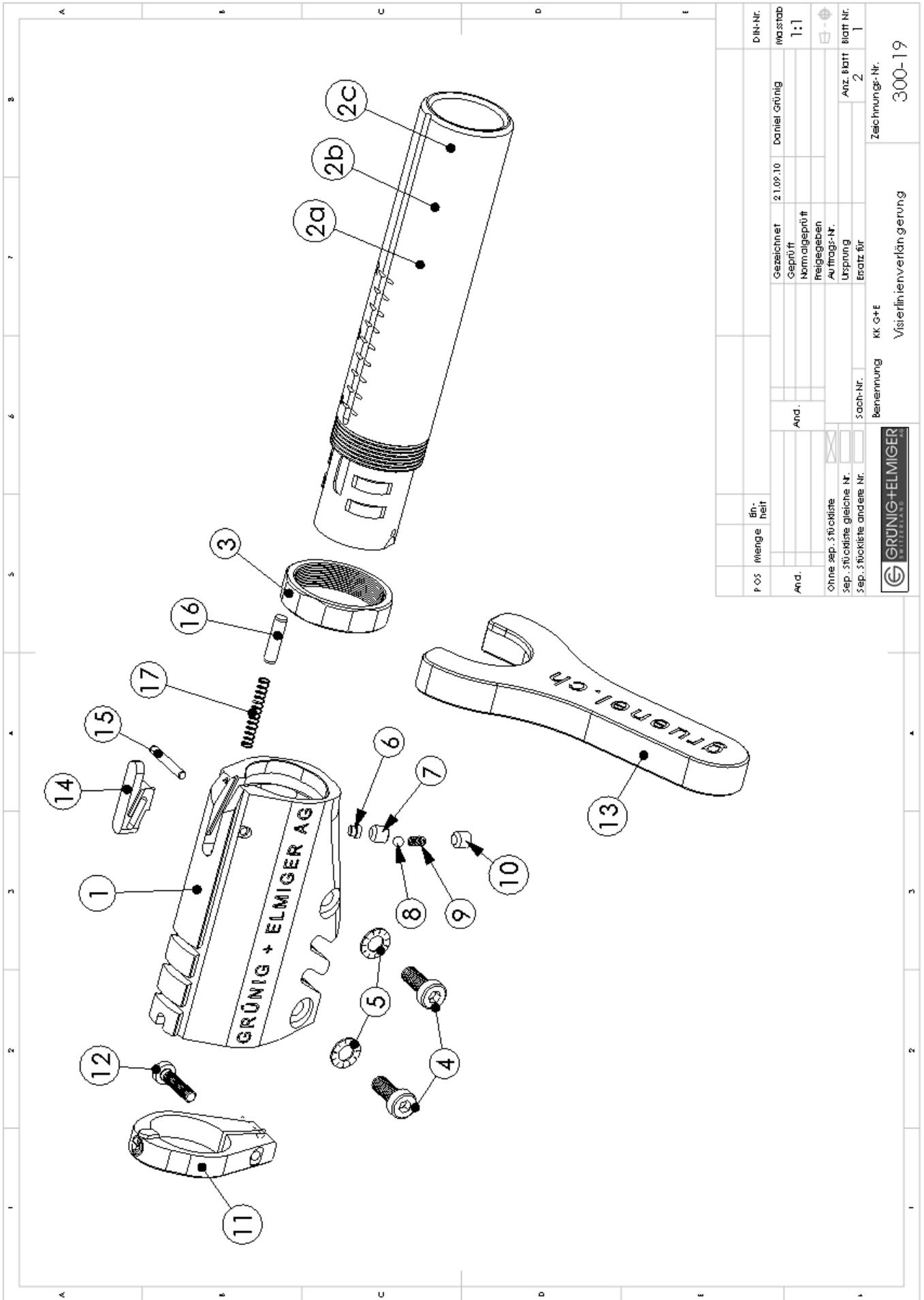
"Click-in" positions when inserting and rotating the extension tube

Tighten the left-threaded lock nut **counter-clockwise** using the special tool



| Pos-Nr. | Ident. No. | Description | Quantity |
|---------|------------|---------------------------|----------|
| 1 | 300-19-001 | Adapter | 1 |
| 2c | 300-19-003 | Short extension tube 109 | 1 |
| 2b | 300-19-012 | Medium extension tube 191 | 1 |
| 2c | 300-19-013 | Long extension tube 271 | 1 |
| 3 | 300-19-006 | Lock nut | 1 |
| 4 | 305-12-003 | Hex lock screws | 2 |
| 5 | 305-12-004 | Star washers | 2 |
| 6 | 300-19-007 | Cap cylinder | 1 |
| 7 | 300-19-010 | Cylinder | 1 |
| 8 | 110-02-012 | Detent ball | 1 |
| 9 | 300-19-011 | Detent spring | 1 |
| 10 | 300-19-009 | Cap screw | 1 |
| 11 | 300-18-004 | Positioning ring | 1 |
| 12 | 300-05-005 | Hex lock screw | 1 |
| 13 | 300-19-008 | Special tool | 1 |
| 14 | 300-19-014 | Slide | 1 |
| 15 | 420-07-008 | Pin | 1 |
| 16 | 810-05-006 | Spring | 1 |
| 17 | 420-07-004 | Pin | 1 |

| | | | |
|-------------------------------------------------------------------------------------|-------|---------|--------------------|
| Pos | Menge | Einheit | DIN-Nr. |
| And. | | | Massstab |
| | | | 1:5:1 |
| | | | Gezeichnet |
| | | | Gepüft |
| | | | Normalgeprüft |
| | | | Freigegeben |
| | | | Auftrags-Nr. |
| | | | Ursprung |
| | | | Anz. Blatt |
| | | | Blatt Nr. |
| | | | 2 |
| | | | Sach-Nr. |
| | | | Benennung |
| | | | KK G+E |
| | | | Zeichnungs-Nr. |
| | | | 300-19 |
| | | | Visierverlängerung |
|  | | | |



| | | | | | | | |
|------|-------|---------|--------------------------|----------|----------------|----------------|-----------|
| Pos | Menge | Einheit | Gezeichnet | 21.09.10 | Daniel Grüning | DIN-Nr. | |
| And. | | | Geprüft | | | Wassstab | |
| | | | Normalgeprüft | | | 1:1 | |
| | | | Freigegeben | | | | |
| | | | Auftrags-Nr. | | | | |
| | | | Ursprung | | | Anz. Blatt | Blatt Nr. |
| | | | Ersatz für | | | 2 | 1 |
| | | | Sach-Nr. | | | | |
| | | | Benennung | | KK G+E | Zeichnungs-Nr. | |
| | | | Visierlinienverlängerung | | | 300-19 | |

