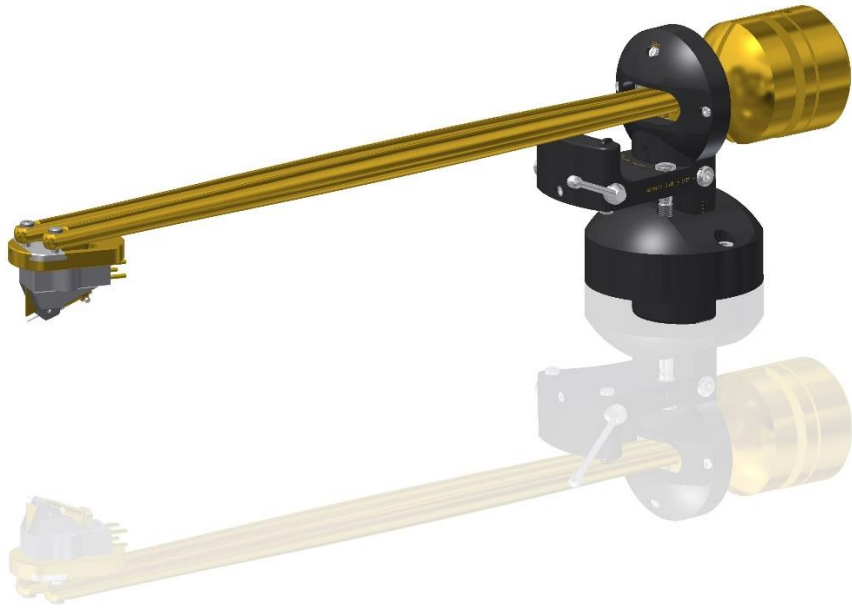


## User Manual THALES STATEMENT



Valued customer

Thank you for choosing the THALES STATEMENT. This tonearm is designed differently than all other tonearms. If you follow this manual accurately the most precise analogue playback is ensured.

Take your time to assemble, install and adjust the STATEMENT. Please remember to work carefully and to follow the instruction manual step by step. Beware of using high forces or hits to this micromechanical unit.

You will find actual information about our products on [www.tonarm.ch](http://www.tonarm.ch).

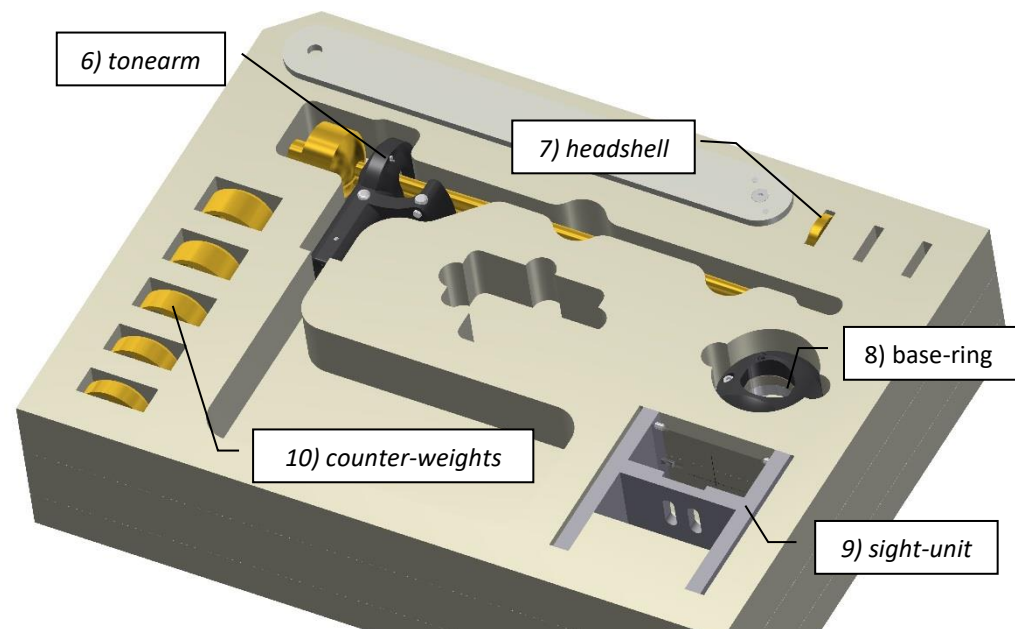
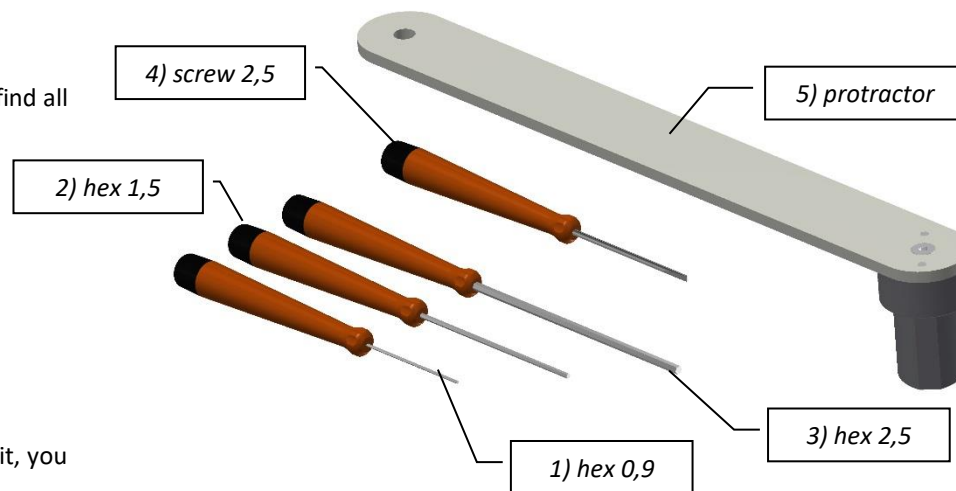
## 1) Content

Please open the packaging and take out the toolbox placed on top. Inside this box, you find all tools and screws needed for installation:

- 1) hexagon-key 0,9mm for installation of headshell
- 2) hexagon-key 1,5mm for fine-adjustment of azimuth and VTA
- 3) hexagon-key 2,5mm for installation of base-ring
- 4) screwdriver 2,5mm for installation of cartridge

Please prepare all the tools for the installation. Under the top layer of the packaging unit, you will find the following content:

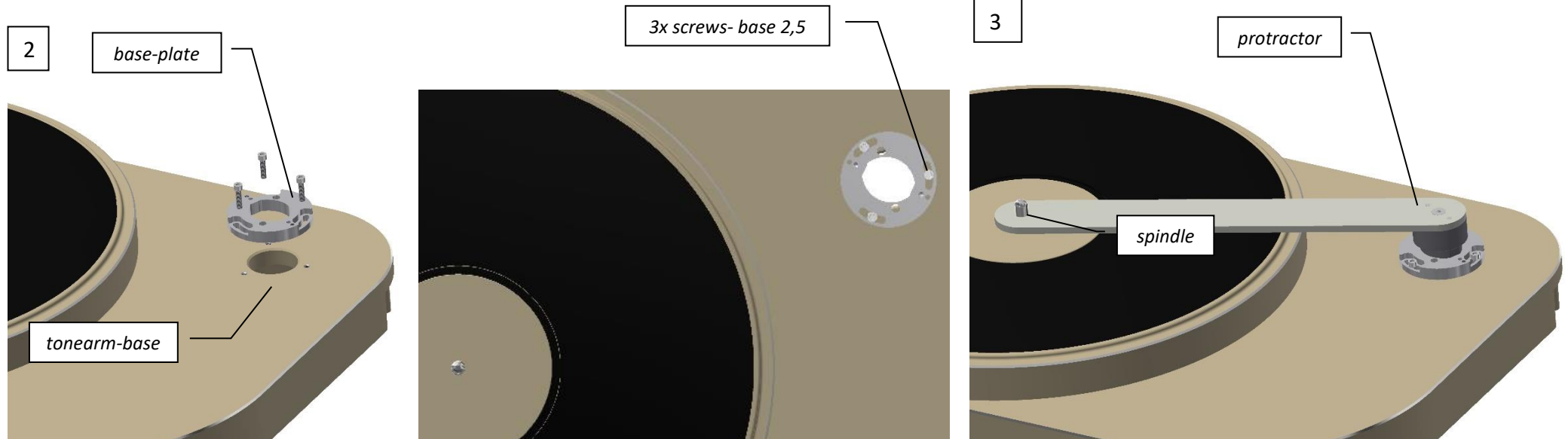
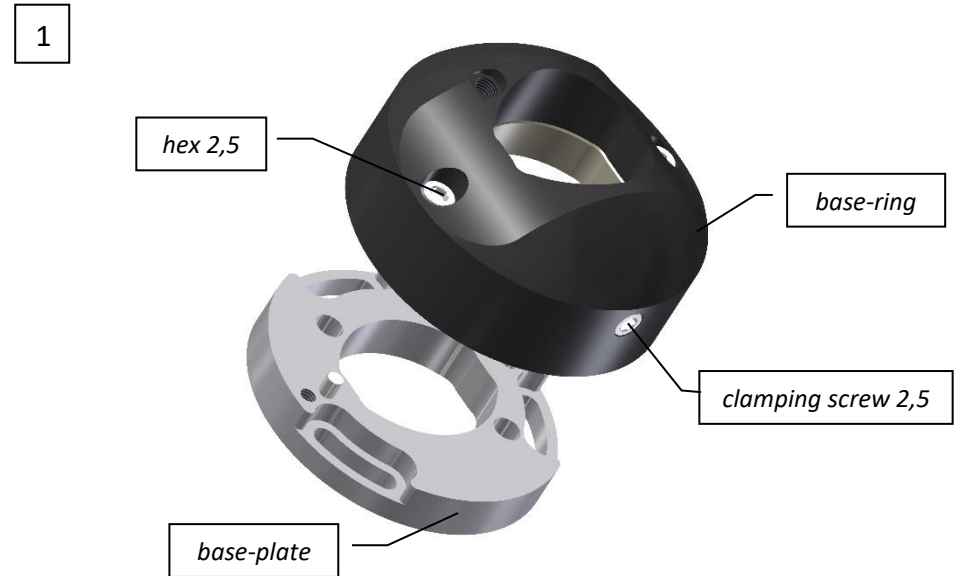
- 5) Protractor for defining the position of the base-ring on the turntable.
- 6) Tonearm: Main tonearm unit incl. tonearm-lift and internal wiring. While handling this unit, please take special care on the thin and very flexible internal wiring.
- 7) Headshell: The STATEMENT is delivered with a separate headshell for quick installation and changing of the cartridge. As an option, additional pieces can be delivered for the pre-installation of further cartridges.
- 8) Base-ring: this item is made of two parts and to be installed on the turntable according the manual below.
- 9) Sight-unit: This unique and ingenious tool enables you to install the cartridge in an absolute precise position.
- 10) Counter-weights: The STATEMENT is delivered with five different counter-weights to balance a wide range of cartridges.



## 2) Positioning of base-plate

Make sure the turntable and the tonearm-base are manufactured according to our specifications. Please ask your dealer for any further information. Remember that a proper installation of the tonearm is absolutely necessary for the perfect tracking of the STATEMENT.

- 1) The two-piece tonearm-holding-device is delivered in assembled condition. In order to mount the base-plate on the turntable, it's to be separated from the base-ring. Please release the two hexagon screws (2,5mm) and pull out the base-plate carefully. The clamping screw shall be kept in the base-ring.
- 2) Install the base-plate loosely on the turntable. Use three of the screws delivered with the tonearm (screws base).
- 3) Insert the positioning mandrel of the protractor into the base-plate and place its hole on the turntables' spindle.
- 4) Lock the base-plate by tightening the three base-screws.

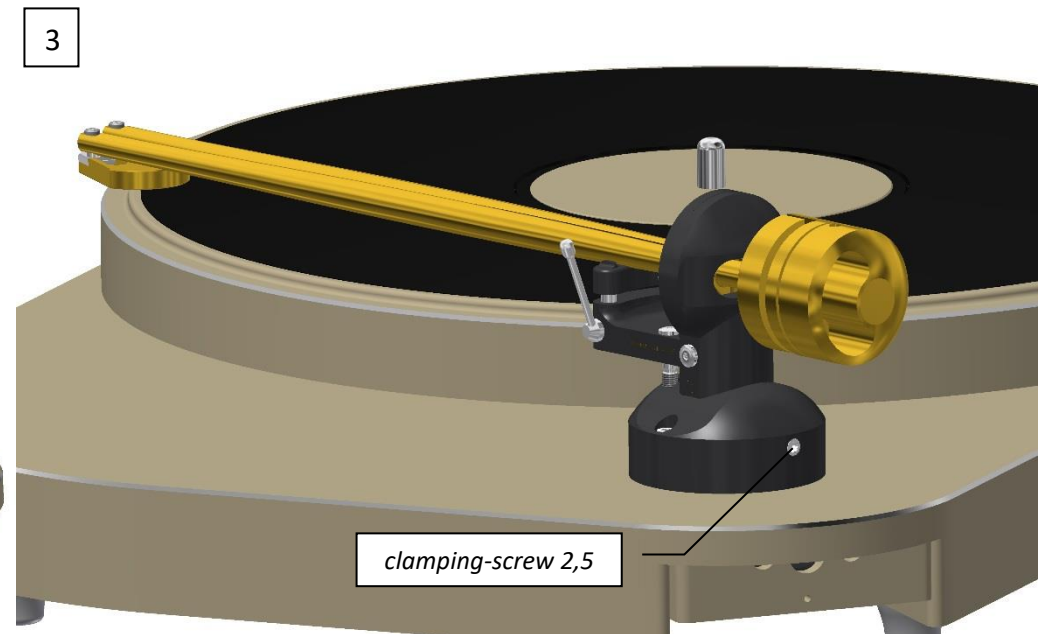
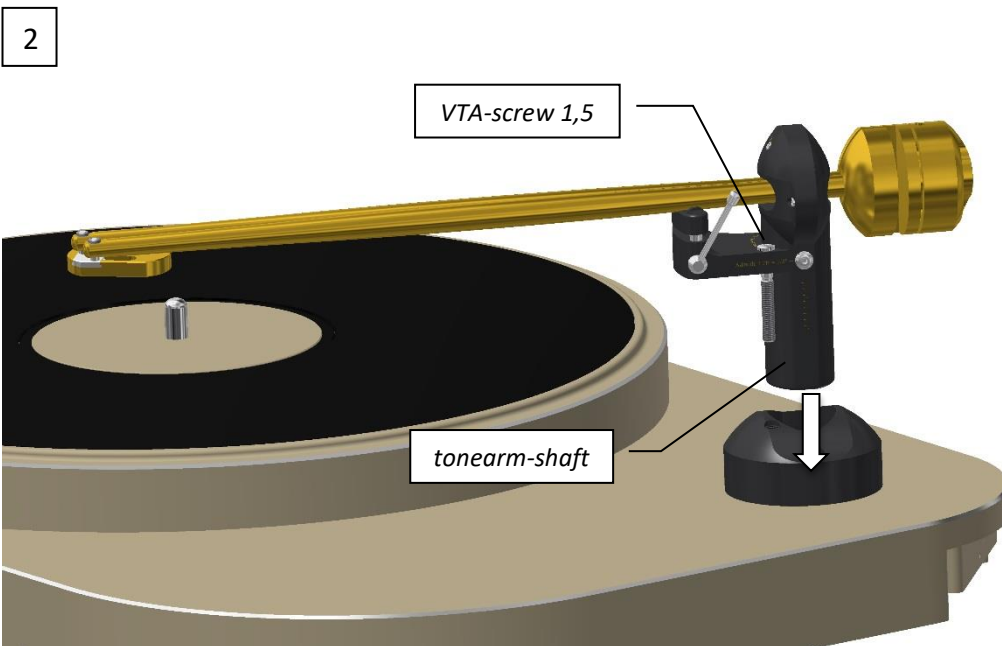
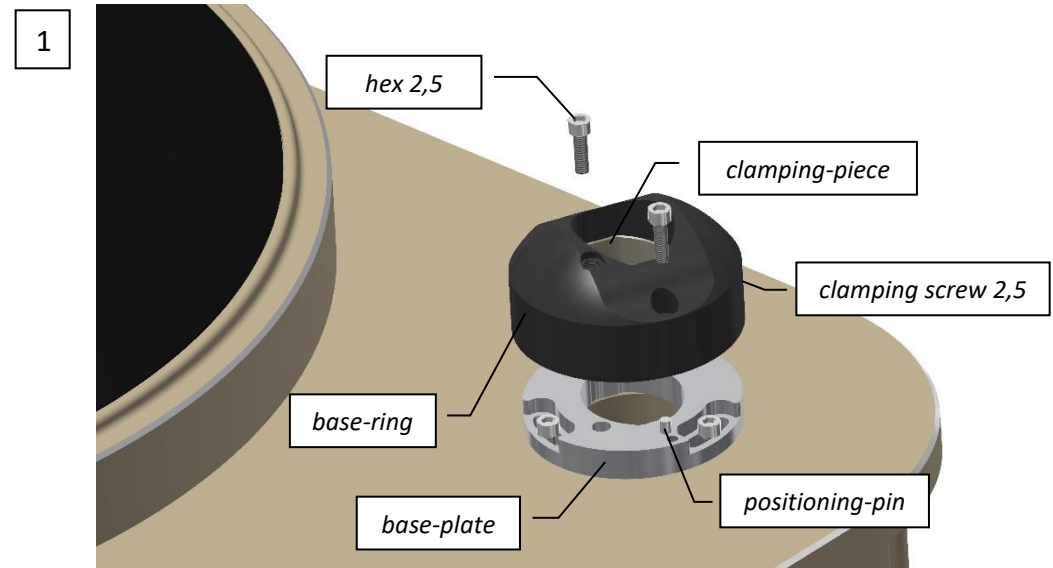


### 3) Installing tonearm

Inside the base-ring is the clamping-piece (made of plastic) visible. It can be released or tightened by the clamping-screw. Please make sure it is released before setting or moving the tonearm inside the base-ring.

**Warning: the clamping screw shall be released a little until the clamping piece moves freely inside the base-ring. It shall not be screwed out of the ring completely.**

- 1) Re-install the base-ring on the base-plate. Make sure the clamping-screw points rearwards and slide the base-ring carefully vertically on the two positioning-pins. Fully tighten the two hex-screws.
- 2) Carefully insert the tonearm-shaft into the base-ring until the VTA-screw touches the base-ring. Now turn the VTA-screw clockwise until the tonearm reaches the desired vertical position.
- 3) Lock the tonearm-shaft inside the base-ring by carefully tighten the clamping-screw.

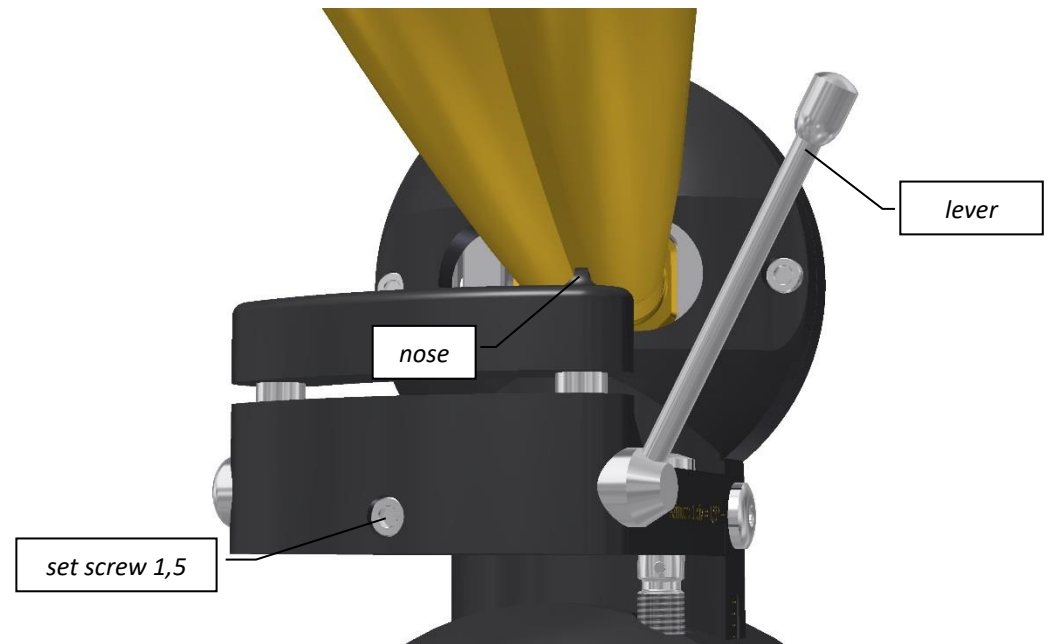
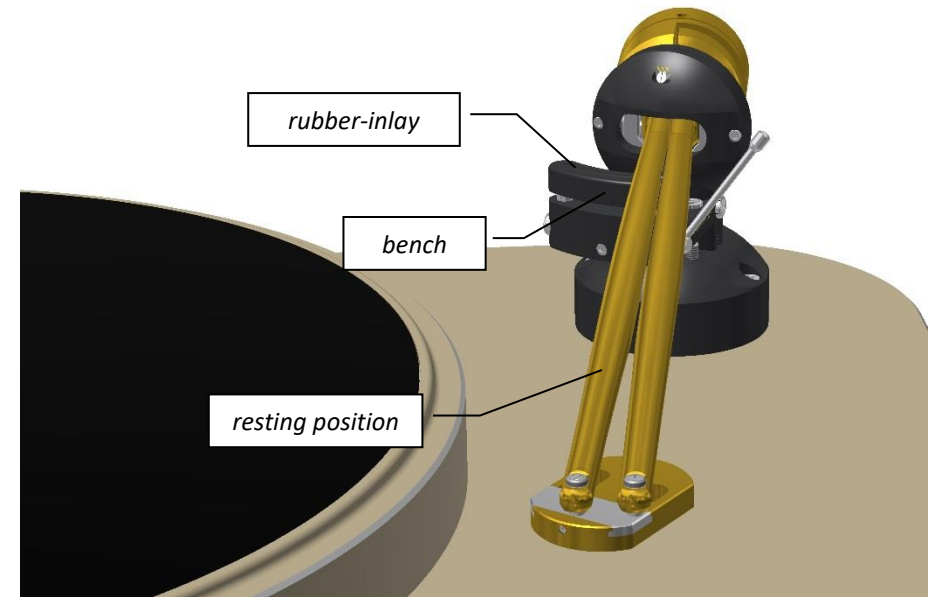


#### 4) Lifting-device

The STATEMENT is featured with a precisely manufactured lifting-device. Unlike most versions on the market, its movement is not damped but connected directly with the lever via a high gear ratio. Therefore, its possible to lower the needle precisely and in full control into the groove.

Please take your time to get used to the maybe unfamiliar direct function. After short time you will come to appreciate the advantage of this system.

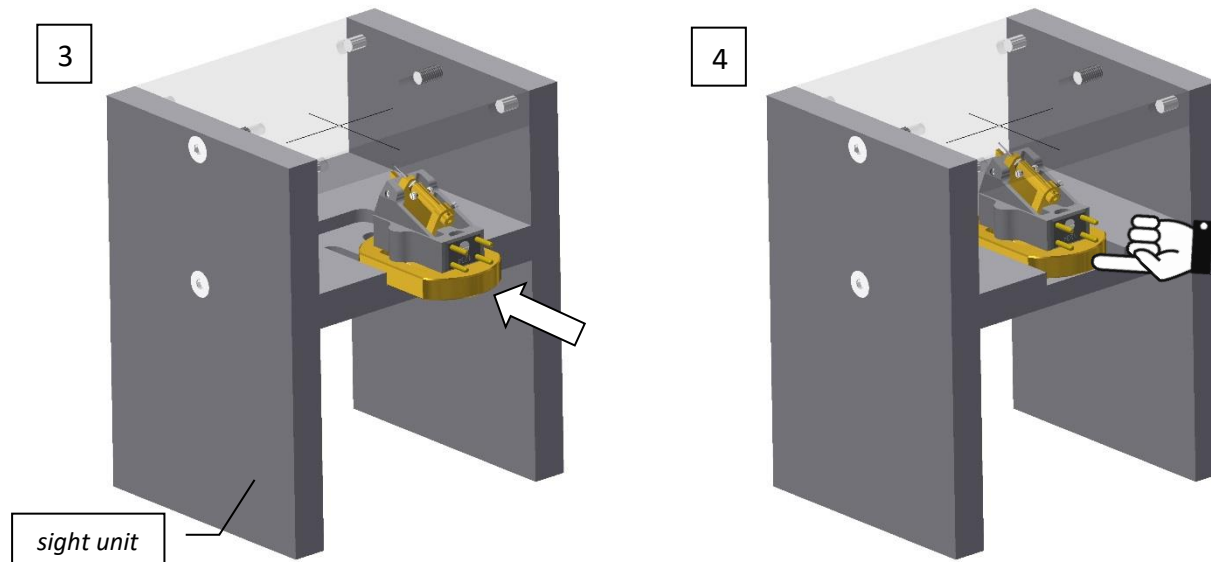
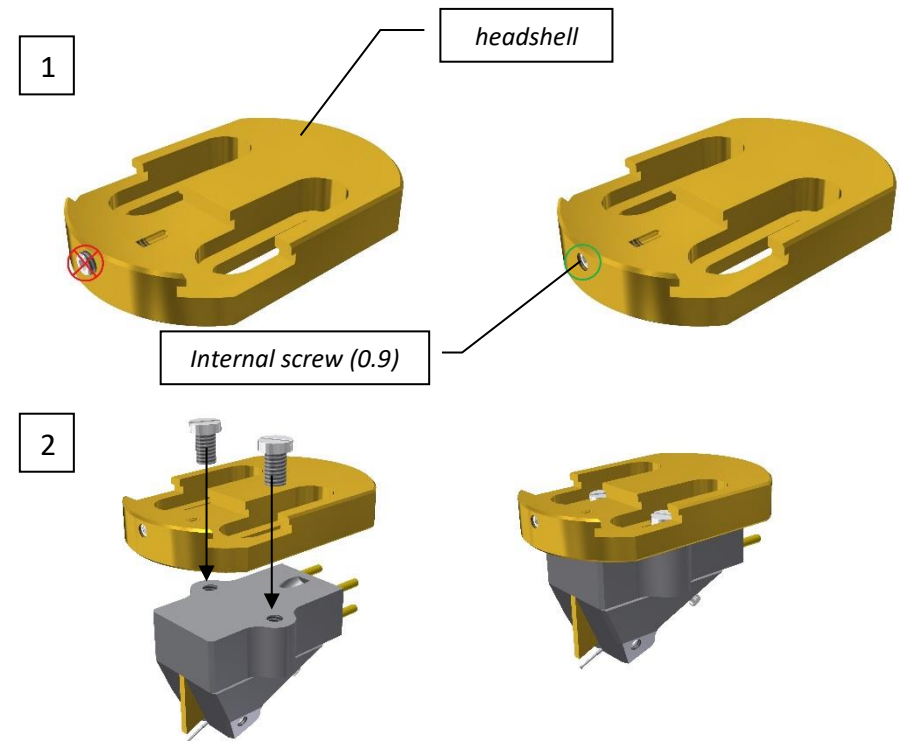
- 1) Ensure to use the correct resting position if the tonearm is not in use. The little nose on the bench shall be placed in between the two arm-tubes.
- 2) A rubber-inlay inside the bench increases friction between tonearm and support. This makes it easy to place the tonearm on a specific record track. Please clean this inlay with a wet cotton-swap if necessary.
- 3) The upper limit of the lifting device and therefore also the distance between record and lifted cartridge can be adjusted with a set screw. If this screw is turned a little clockwise, the distance decreases.



## 5) Installing the cartridge

The STATEMENT offers a unique way to install the cartridge very accurately and get all the advantages of the ultra-precise tracking. The headshell can be taken apart for easy installation. To install the cartridge correctly, follow these directions step by step.

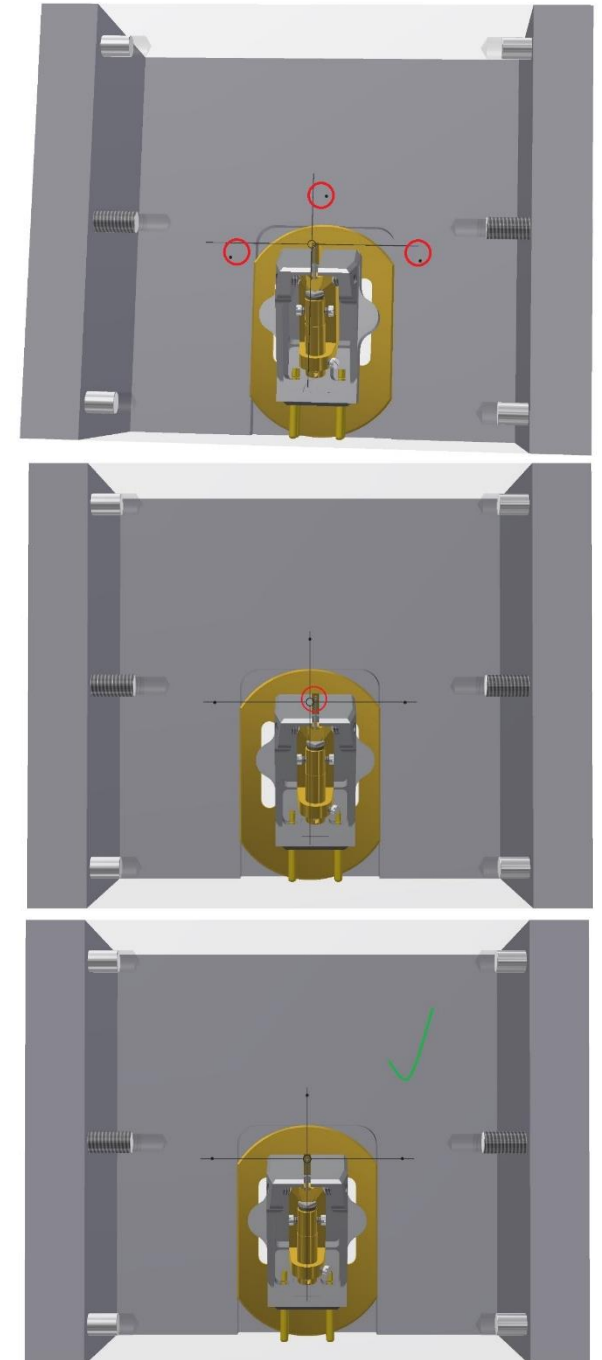
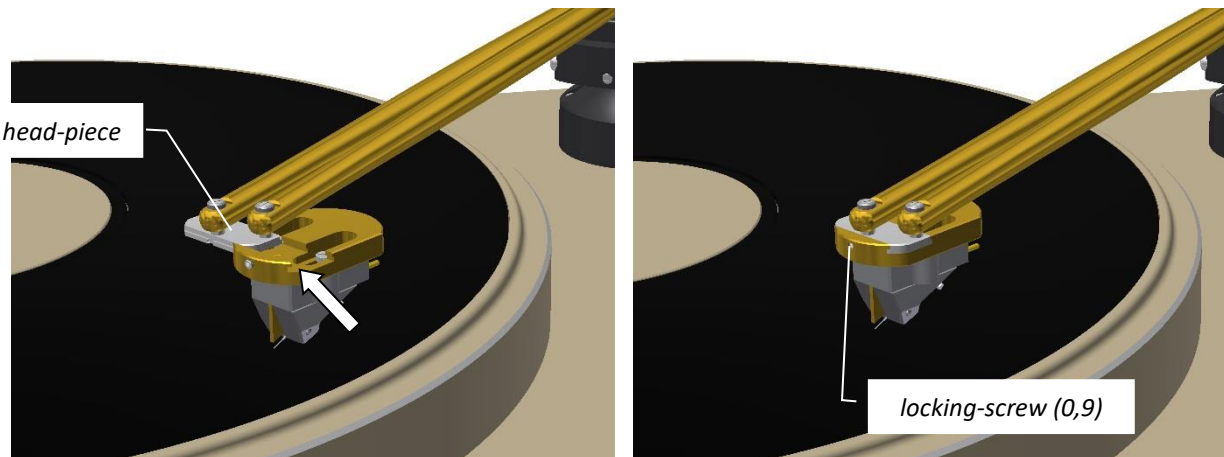
- 1) Make sure the internal screw of the headshell does not project out of the front surface of the headshell. Use the hexagon-kex 0.9 to adjust it.
- 2) Prepare the cartridge and the cartridge screws for installation. Make sure you use the cartridge screws delivered with the STATEMENT, as another type might block the installation on the tonearm. **Tighten the screws gently so that the cartridge stays in position but still can be moved manually.**
- 3) Carefully move the headshell and cartridge into the sight-unit. Make sure not to break the diamond tip.
- 4) Keep the cartridge assembly in the sight unit. Make sure it does not move.





## 6) Adjusting the cartridge

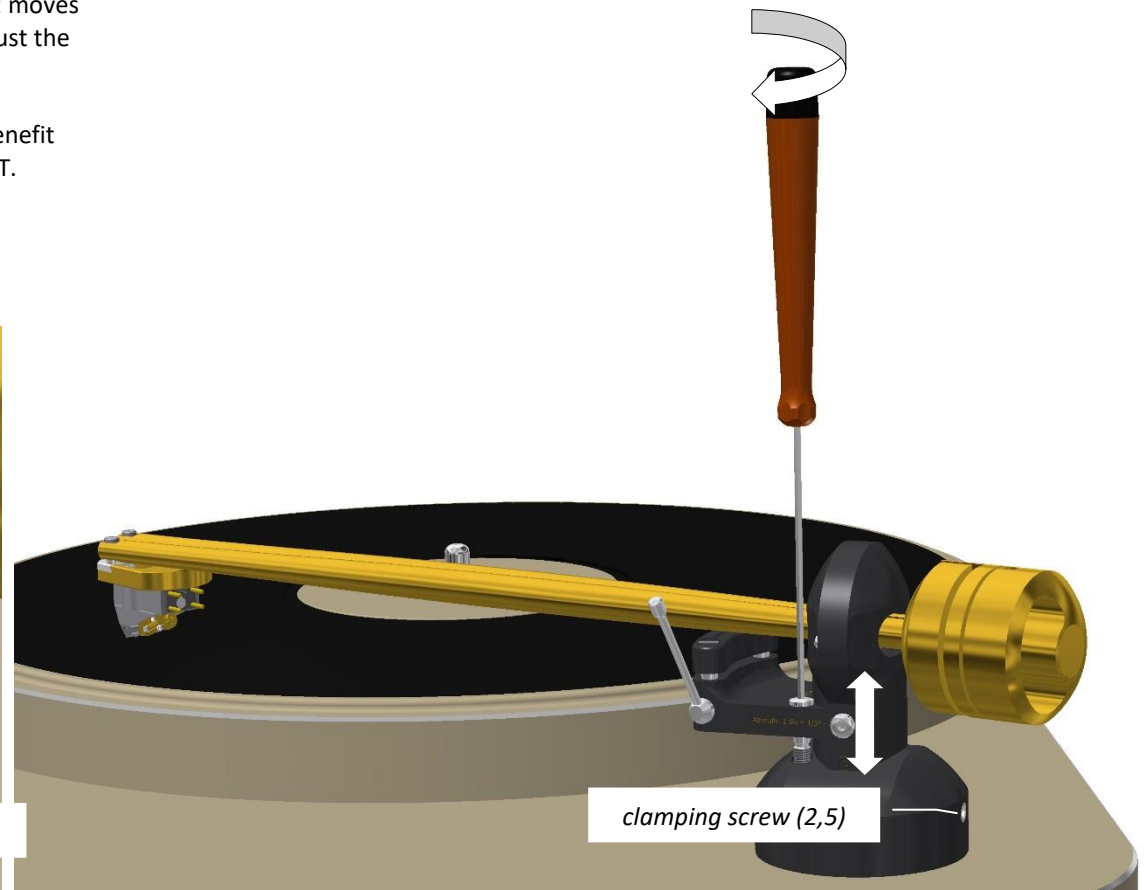
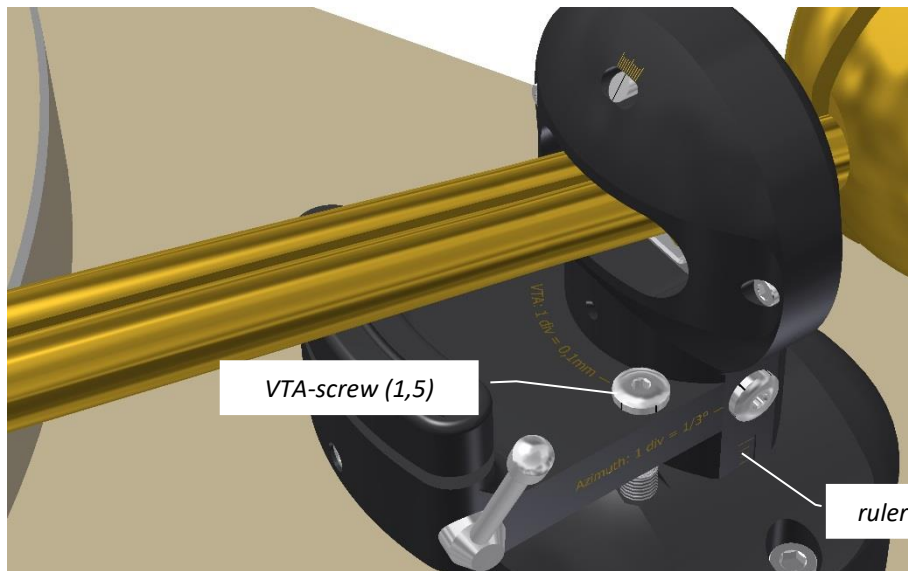
- 1) Make sure you look to the sight-unit in an absolute upright position. There are three points engraved around the cartridge to control the exact perpendicular view. Make sure these three points fit to the target-line as shown in the picture.
- 2) Carefully move the cartridge until the diamond definitely fits the target-circle. Make sure the cantilever is exactly under the target-line.
- 3) Move the cartridge assembly out of the sight unit carefully and tighten the two cartridge-screws equally.
- 4) Please verify the correct setting of the cartridge again and correct it if needed.
- 5) Attach the headshell to the tonearm by carefully sliding it to the head-piece. Tighten the locking screw at the front of the headshell.
- 6) Connect the four small clips of the internal wiring to the internal wiring. Take special care on the very thin wiring.



## 7) Adjusting the VTA

The tonearm should basically be parallel to the record-surface. The VTA (Vertical Tracking Angle) has an influence on the sound. It can be adjusted easily and precisely, even while playing. The absolute position is indicated on a ruler.

- 1) Release the locking-screw at the base-ring.
- 2) Use the VTA-Screw (Hex 1,5mm) to adjust the vertical position of the tonearm. If the screw is turned clockwise, the tonearm moves downwards, anticlockwise it moves upwards. The colored index on the VTA-Screw enables you to precisely adjust the VTA (1 div = 0,1mm).
- 3) Tighten the locking-screw again. Do not forget to do this in order to fully benefit from the advanced mechanical energy-diverting concept of the STATEMENT.



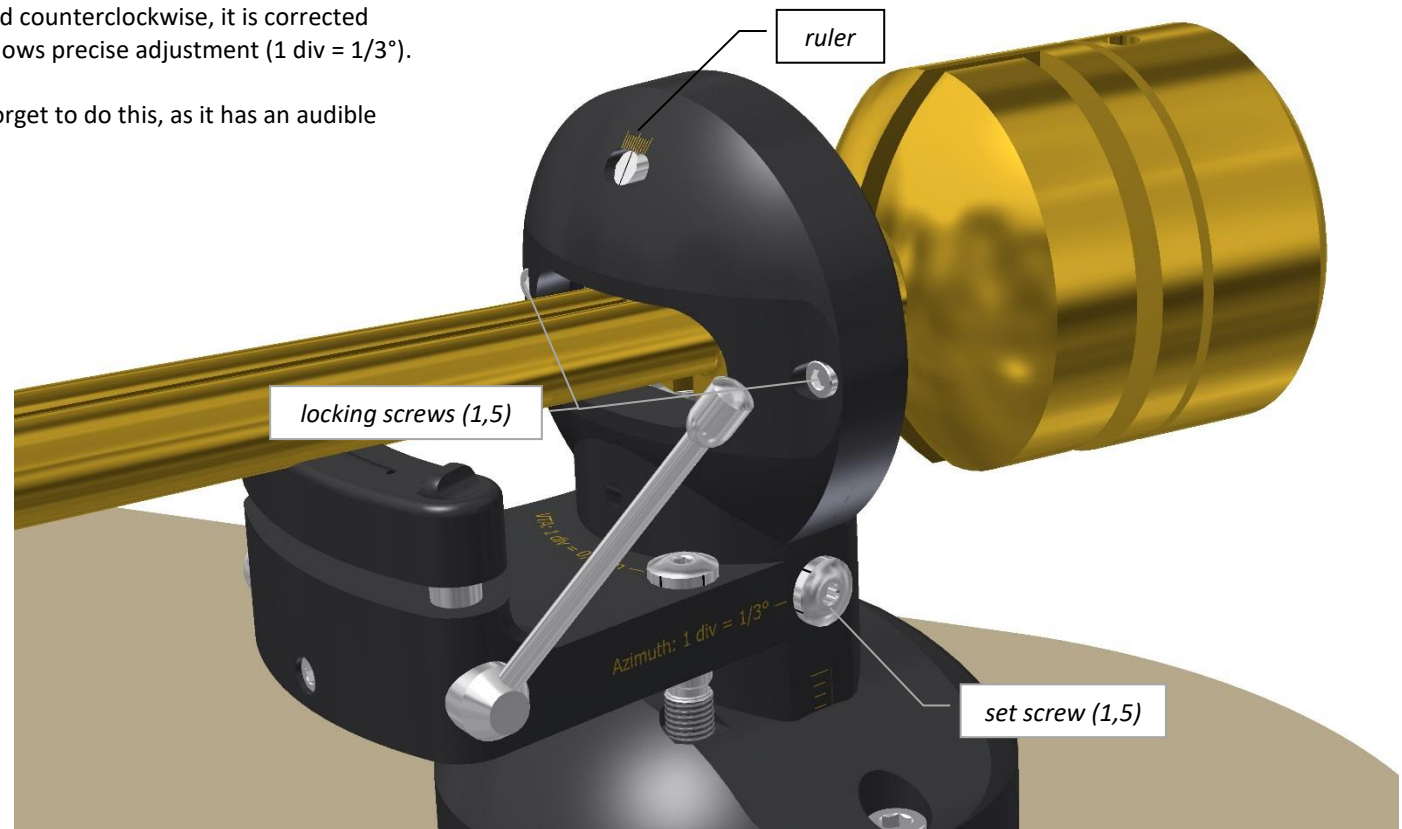


## 8) Adjusting the azimuth

The azimuth (Horizontal Tracking Angle) can be adjusted with a setscrew, even while playing. The absolute angular position is shown on a small ruler.

Depending on the production-tolerances of the cartridge, the azimuth shall be adjusted with a test-record. We recommend to adjust the the two crosstalk values (L→R and R→L) equally with a decent 1kHz-signal. For further information, please contact your dealer.

- 1) Loosen the two locking-screws. **Make sure not to take away the screws but just un-tighten them.**
- 2) Adjust the azimuth by turning the setscrew. If the screw is turned clockwise, the angular position is corrected positively, if turned counterclockwise, it is corrected negatively. The index on the azimuth-screws allows precise adjustment (1 div =  $1/3^\circ$ ).
- 3) Tighten the two locking-screws again. Do not forget to do this, as it has an audible influence on the sound (dynamics).



## 9) Setting the tracking force

Five different counter-weights are delivered with the STATEMENT. They fit for different weight of cartridges. Please refer to the table below. The counter-weight is moved towards the cartridge for lower tracking forces and away from the cartridge for higher ones. Please use a proper tonearm-gauge to measure the tracking force.

- 1) Please choose the size of the counter-weight fitting your cartridge:

| # | length | mass     |
|---|--------|----------|
| 1 | 14.9mm | 7...9g   |
| 2 | 16.4mm | 9...11g  |
| 3 | 18.0mm | 11...14g |
| 4 | 19.7mm | 14...17g |
| 5 | 21.5mm | 17...20g |

- 2) Carefully attach the counter-weight-assembly to the main tonearm unit. Move towards the cartridge to lower the tracking force. If you cannot reach the tracking force wanted choose another counter-weight
- 3) Tighten the locking screw to fix the position of the counter-weight. Double-check the tracking force.

