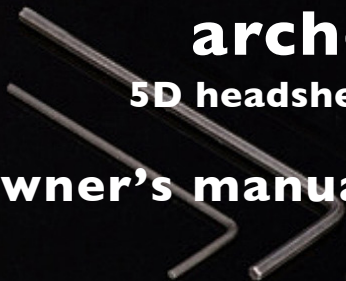




* optional exchangeable
mounting plates not included,
shown for reference only



arché®

5D headshell

owner's manual



designed, manufactured and
assembled in Bavaria / Germany.

www.acoustical-systems.com

Email: info@acoustical-systems.com

Introduction

The arché is the 1st universal headshell ever to enable the user to adjust each and all settings of cartridge alignment right at the spot - at the headshell / cartridge - and independent from each other.

Further it is the 1st high-end headshell to offer the paramount important adjustments of SRA and VTA to be made at the cartridge itself - while keeping tonearm settings stable and unaltered.

In its design, as well as in its choice of materials and manufacture the arché goes new ways and opens up new

horizons in adjustment and sonic performance.

Designed and manufactured like an expensive tonearm, the arché maximizes rigidity, energy transfer and adjustment options. Featuring a composition of non-parallel surface construction, unique ways of inner dampening and prime materials.

Triple-tempered aerospace grade aluminum, structure fortified micro titan tubes, nano ball-plungers and special custom made stainless steel screws are the main components of an unique design.

A design which serves as the very best possible partner and link for any cartridge and any tonearm with a SME-bayonet.

Adjustments

I. Overhang

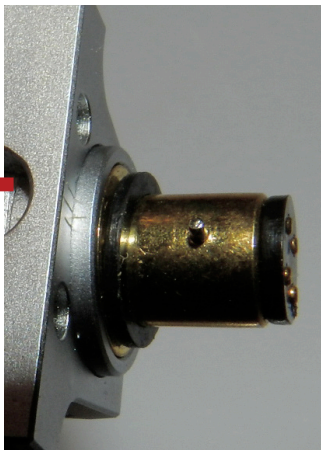
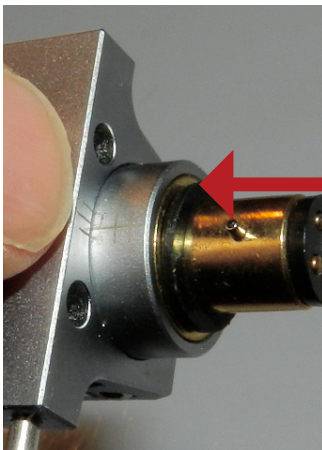
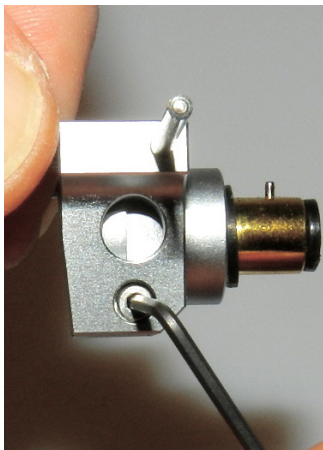


In the arché overhang can be adjusted at 2 different spots.

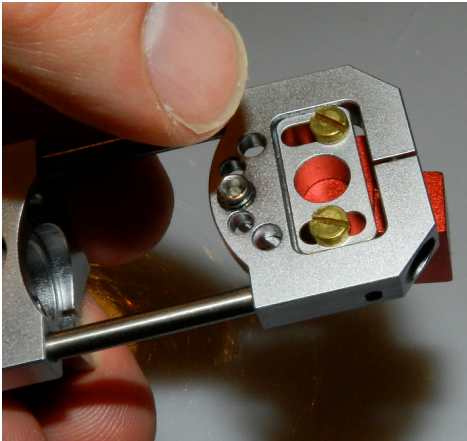
You may use the prolonged screw slots for mounting the 1/2" cartridge.

Furthermore you can slide back and forth the whole cartridge at the SME collar after undoing the collar-fixing screw.

Both options do allow for approximate 5-6 mm adjustment each.



2. Offset angle

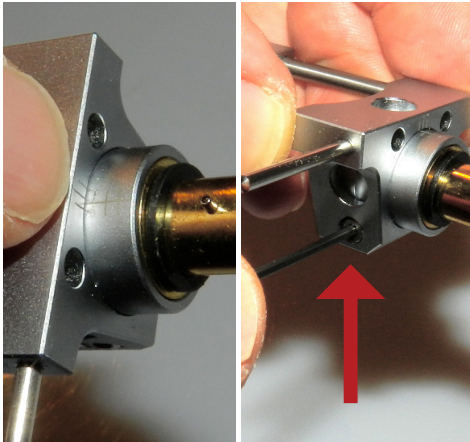


The setting of the required offset angle also can be made in the prolonged mounting slots.

The prolonged slots are a bit wider than necessary to accommodate a M 2.5 screw.

Thus they allow for about $\pm 3-5^\circ$ offset-angle to be adjusted by moving the cartridge to the required position.

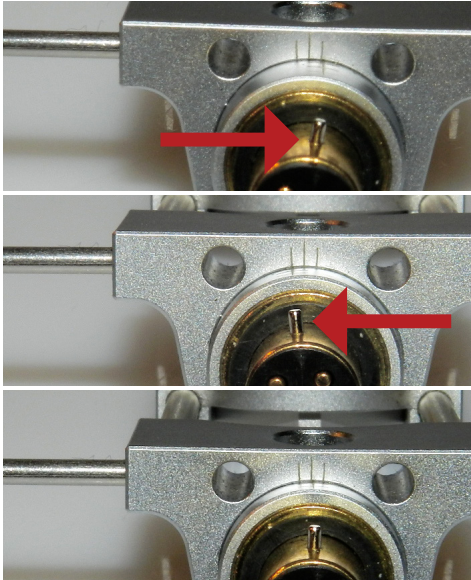
3. Azimuth



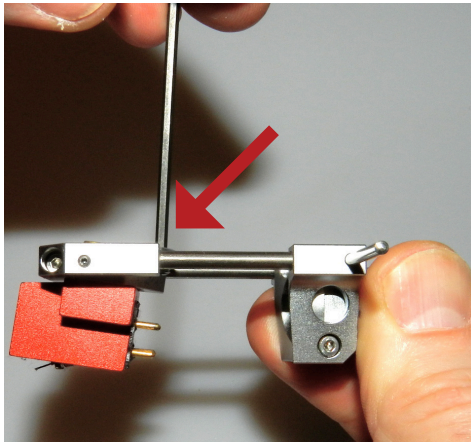
Azimuth can be adjusted by first undoing the collar-fixing screw. Now you can rotate the complete headshell around the collar in both directions by $\pm 3-4^\circ$.

There are helping lines at the back of the arché to find certain direction and spots.

Make sure to fasten the collar screw again after azimuth adjustment.



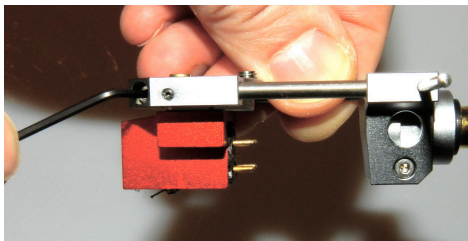
4. SRA / VTA



In the arché the adjustment of SRA (“Stylus Rake Angle”) and / or VTA (“Vertical Tracking Angle”) can be made right at the spot - at the cartridge.

By doing so, all static balance settings of the tonearm remain stable. The tonearm’s wand also can be kept in full parallel horizontal position.

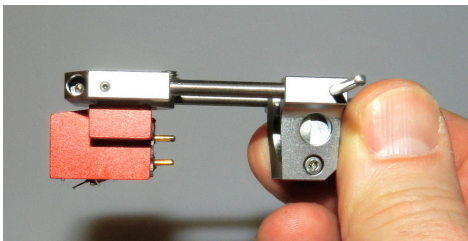
An invaluable advantage in all static balanced tonearms.



In the arché you can precisely adjust the angle of the mounting plate carrying the cartridge.

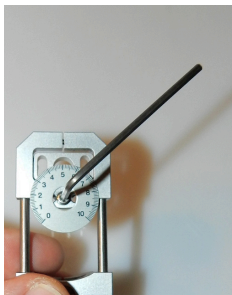
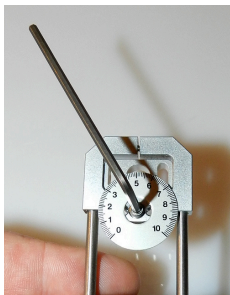
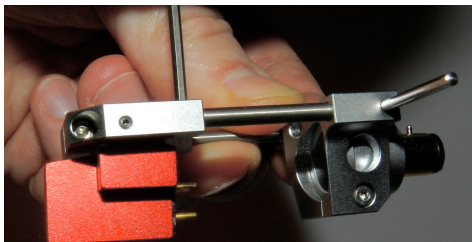
This angle can be adjusted in a range between approx. 85° and 94° - in relation to the record's surface.

Making it easy to meet any desired SRA between 85° and 94° .



First undo the M2 Allen screw in the front of the arché. This releases the front buckle clamping the mounting plate.

One (1) full turn of the screw anti-clockwise is enough.



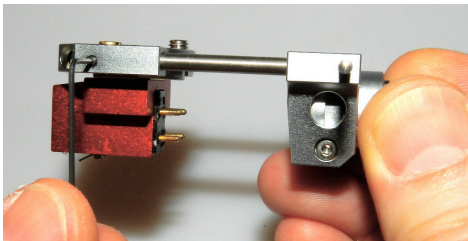
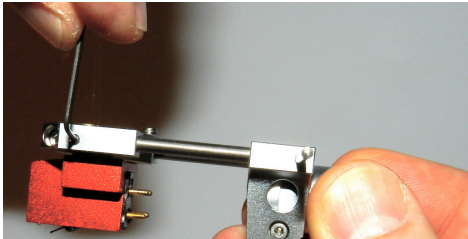
Now you can slowly attend the M4 Allen setscrew at the rear top end of the arché's head.

By doing so the rear end of the mounting plate will go down and the angle of the cartridge will change.

When you have reach the desired position, make sure to fasten the M2 Allen front screw again. The small silver plate you found among the arché accessories may help you in returning to a prior set angle after trying a different position. You can use the Allen wrench as an "indicator" - as pictured.

Please note: *this is just a "helping" - it is neither a precise indication nor an absolute value given here.*

Changing the mounting plate



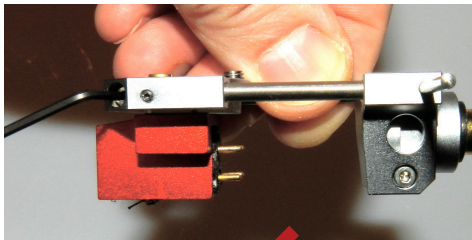
In the arché you can exchange the mounting plate.

Thus you can keep more than 1 cartridge in “pre-aligned” state at any time. Interchanging the mounting plates is easy and fast - enabling the user to exchange cartridges within minutes within (1) arché headshell.

It works as follows: please take the smallest Allen wrench among the arché’s accessories.

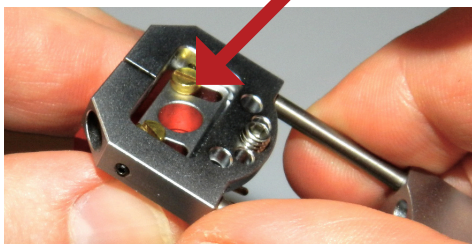
Now undo the small black M2 setscrews

in each flank of the arché by half a turn (180°) - anti clockwise.



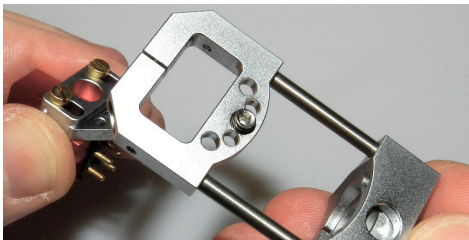
Next please undo the M2 Allen screw in the front buckle with (2) full turns.

By applying a careful amount of force, you will be able to extract the mounting plate from the clamp by pressing it downwards.



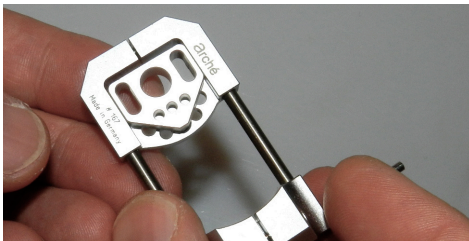
A spare mounting plate now can be inserted by installing it from the under-side pressing it upwards.

After doing so, please attend the small black M2 setscrews in the flanks by half a turn clockwise.



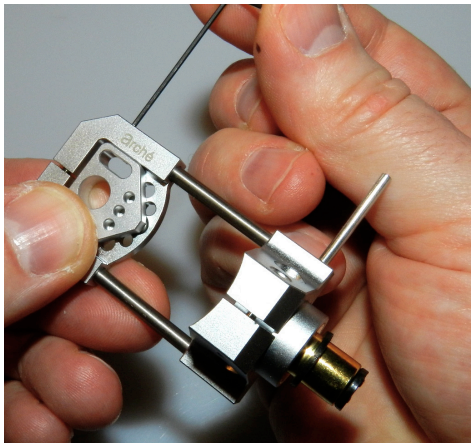
You will feel the small ball plungers engaging with the tiny indentation on each flank of the mounting plate.

These 2 ball plungers incorporated in the M2 setscrew do create a joint.

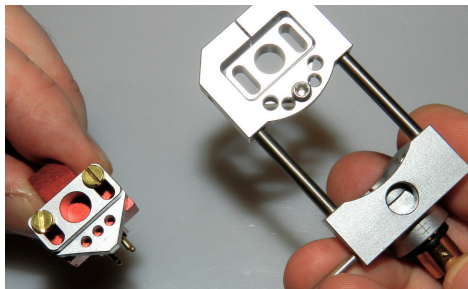


This joint is again nullified and out of any action when fastening the front M2 Allen screw closing the buckle.

The small balls creating the joint are then pressed back into the setscrew.



By firmly clamping the mounting plate on both flanks with the built-in buckle, we reach an optimized dampening effect in the whole headshell assembly.

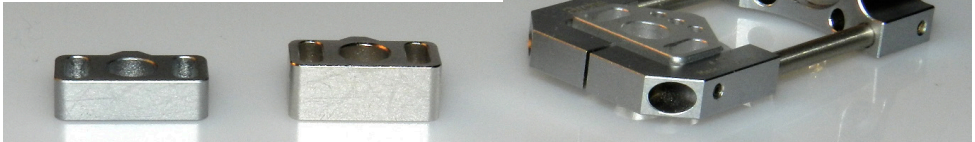


Mountingplate(s)

The exchangeable and adjustable mounting plate of the arché is available in 2 versions:

- **“standard”** with 5mm thickness
- **“extra”** with 8 mm thickness - suitable for small body cartridges

to allow for extra “floor clearance”. Resulting in wider adjustability with cartridges featuring a short cantilever or a small body.



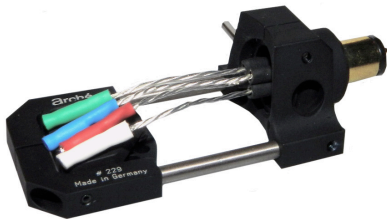
Headshell-leads

The arché comes with OFC-headshell leads.

As an instant upgrade and option we do offer special silver litzwire headshell leads to maximize signal transfer from the cartridge: the aggelos pure silverlitz-headshell leads.

These are the very best leads to use if you want the best possible

The aggelos headshell leads are available separately.



aggelos headshell leads

Accessories

The arché comes with a complete selection of accessories:

2 pairs of M 2.5 brass screws w/nuts

Allen key wrenches w/ SW 0.89 and 1.5

SME-bayont isolationrings -
(1) rubber (mounted) and (1) copper

alternative M4 nylon screw for
SRA-adjustment

OFC headshellleads set

spirit level

scale plate for SRA



designed, manufactured and
assembled in Bavaria / Germany.

www.acoustical-systems.com

Email: info@acoustical-systems.com