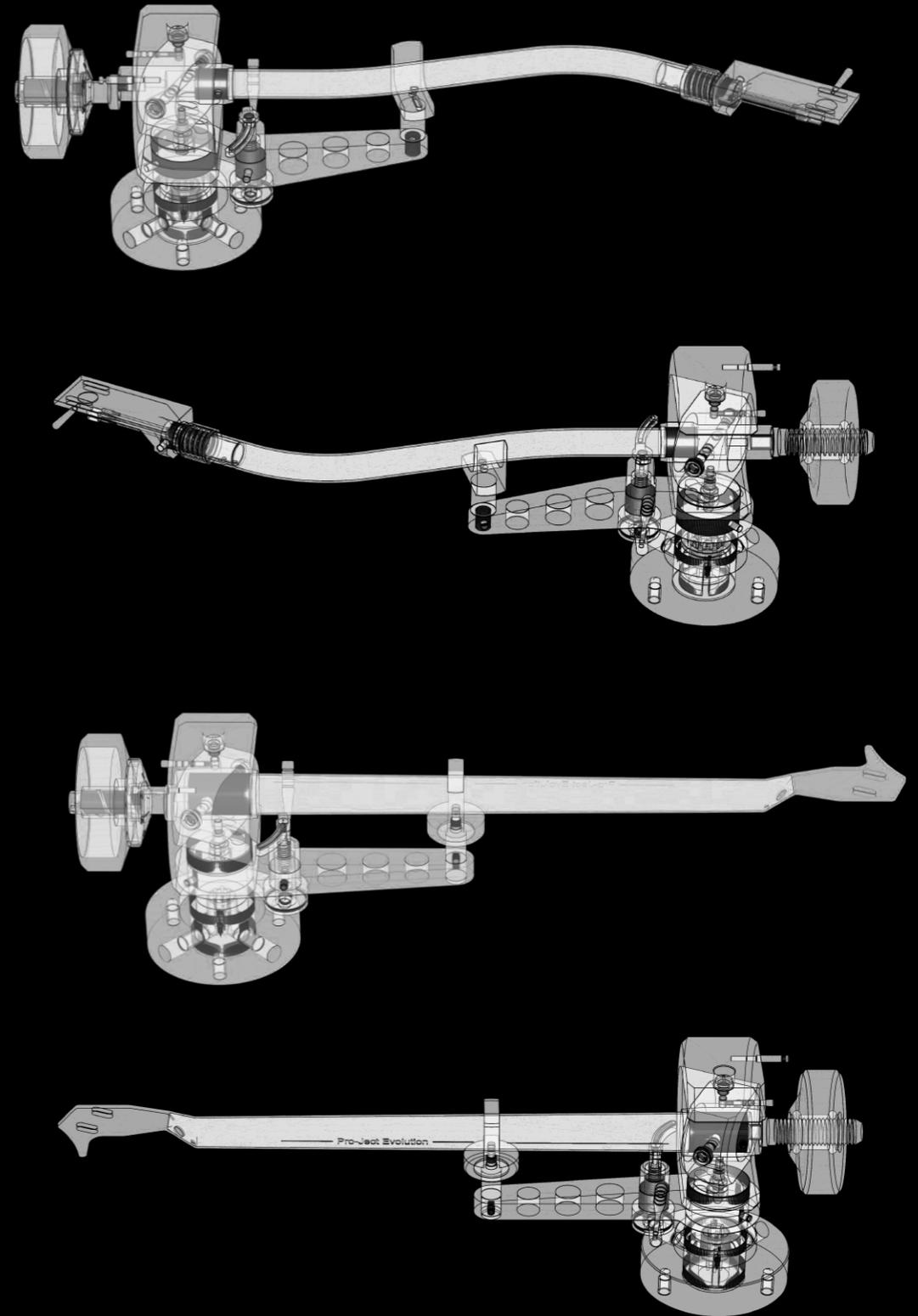


Pro-Ject
AUDIO SYSTEMS

EVO Tonearms

The tonearm is one of the most important parts of a turntable and therefore not only influences, but also shapes the sound in a specific way. We did in-depth listening tests with different bearing types, tonearm materials and also cartridge combinations to develop the sound we are looking for.

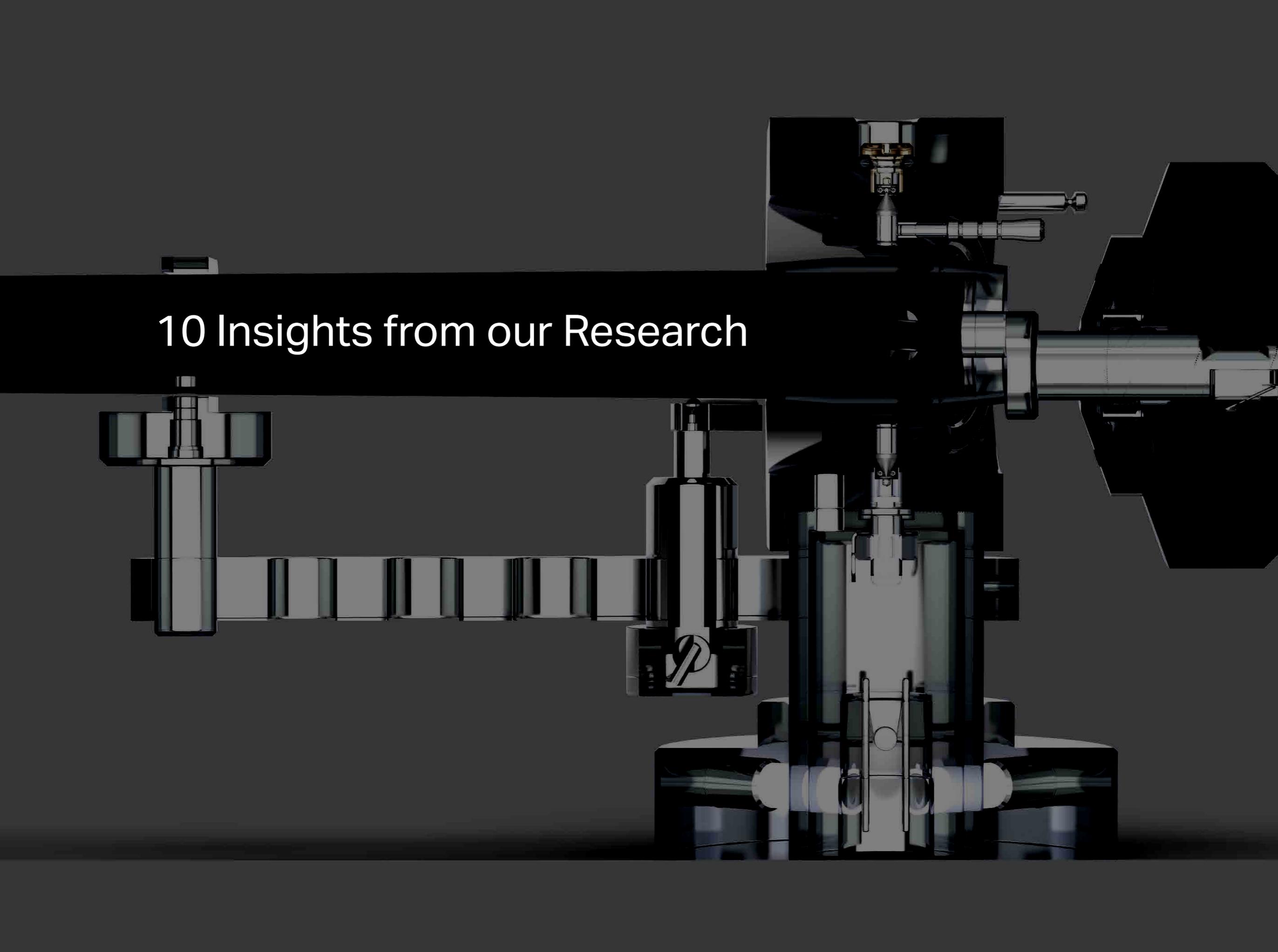
About 15 years ago, we designed and released the revolutionary EVO CC full carbon tonearm range. These tonearms were a huge success and with this experience we were able to further develop our tonearm design. This new EVO and EVO Premium tonearm range are the result of our work from the last years, and we are proud to also offer new finishes and many additional improvements.



Design

Pro-Ject has been designing tonearms for more than three decades. We have tested many arms in listening- and measuring sessions with close to 50 cartridges of different types and technologies.





10 Insights from our Research

01. Damped counterweights and super high mass bearing gimbals to dampen tonearm resonances.

02. A conical tonearm tube design guarantees that resonances are traveling to the bearing block and also reduces the moving mass of the tonearm/headshell.

03. Single-piece tonearm tubes increase the stiffness and also reduce the mass on the end of the tonearm and increase sound transparency.

04. Correct tonearm and cartridge matching and the resulting cartridge/tonearm resonance are exceptionally critical for clean tracking and accurate controlled bass reproduction.

05. For low compliance cartridges, you need tonearms with high effective mass, or in other words, tonearms made of aluminum alloys as opposed to carbon.

06. High-purity conductors have a significant positive influence on low-level cartridge signals, so we use the highest purity copper and in the premium super clean silver wiring.

07. High mass flange design is crucial to fix the tonearm securely to the turntable.

08. Massive tonearm holder reduces the overall resonances of the whole tonearm.

09. An assortment of different counterweights is necessary to balance the cartridge correctly. The counterweight needs to be as close as possible to the bearing for increased stability and low tonearm inertia.

10. A precision arm can only be made with the highest level of diamond knife machinery, allowing you to work with tolerances of 1/1000 mm.

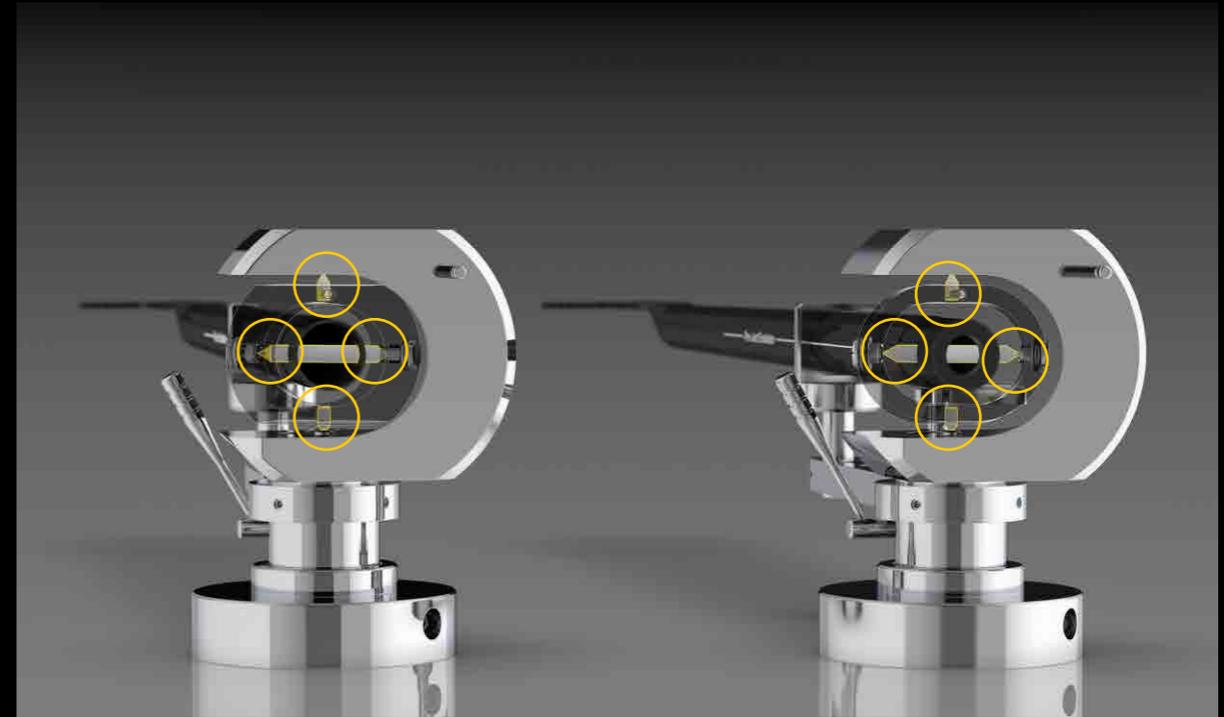
EVO Technology

Based on these 10 points, we designed the NEW EVO Tonearm series. The central idea is the super high mass gimbals with the ultra-low friction 4-point Swiss-made bearing assembly.

We have found the best technical solution: 4-pin-point cardan bearings. They are very stable and have low friction to guarantee a beautiful soundstage and clean tracking.

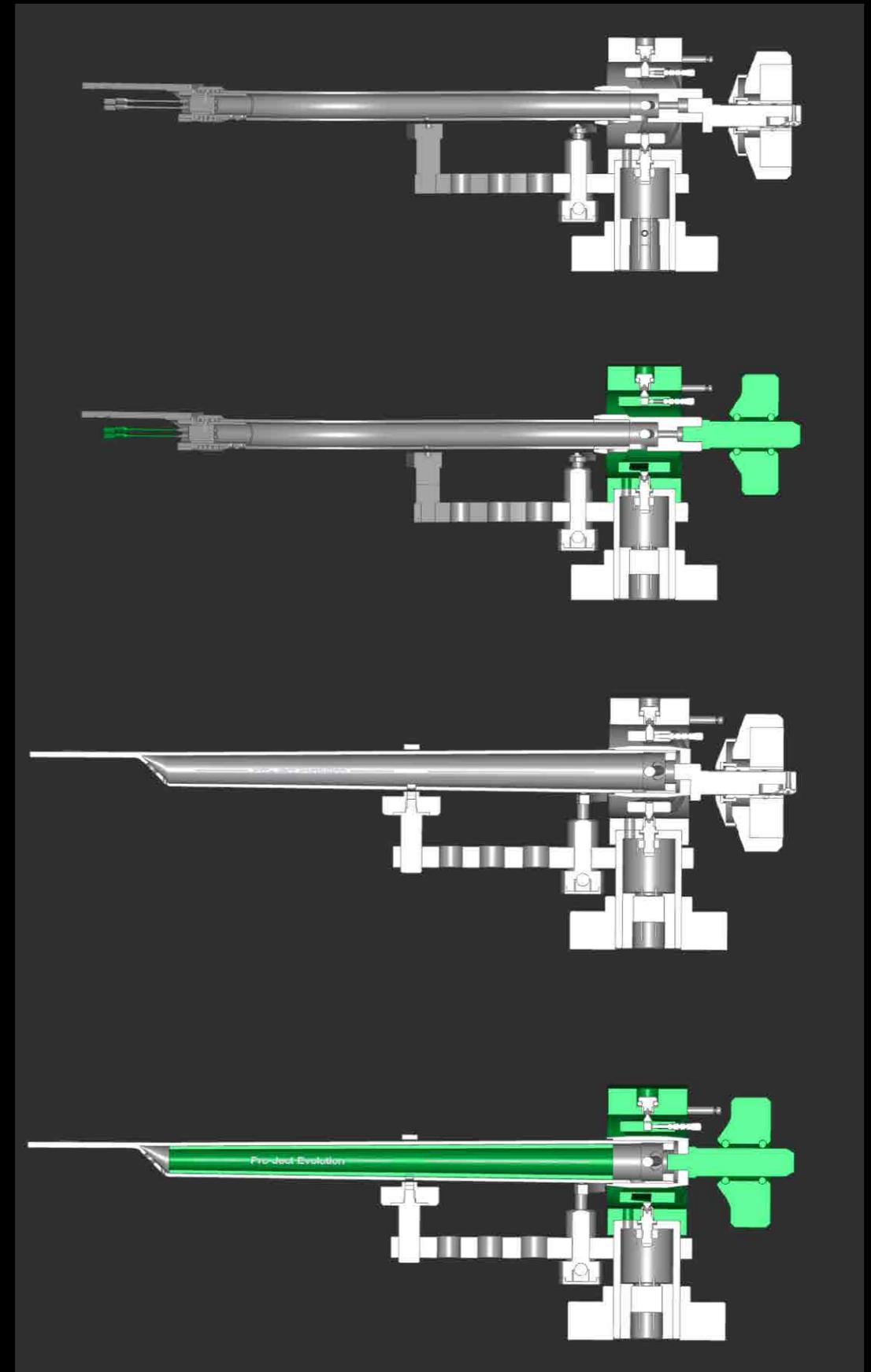
If you have medium to low compliance cartridges, getting a better sound than from our EVO CC full carbon arm, as is featured on all our high-end products, is very difficult.

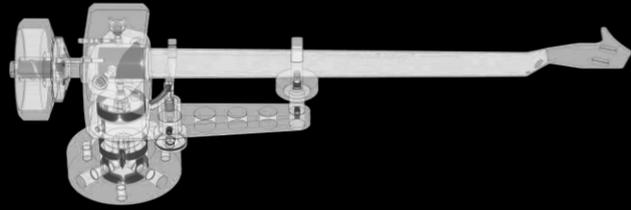
However, for low-compliance cartridges it would be best to have more effective mass. For example: our carbon-aluminium or aluminium s-shape arms.



EVO Technology

The new EVO range is a big comprehensive family allowing you to find a tonearm with the effective mass and choice of materials that suits your cartridge the most. We offer the lightest options with a pure carbon tonearm tube to the slightly heavier carbon-aluminium sandwich constructions up to S-shape aluminium tonearms with SME-headshells allowing for fine-tuning the weight even more, by experimenting with different headshell materials. Available in 9", 10" and 12" lengths, standard black or hand-polished silver, and Premium versions with stainless steel bearing block, silver tonearm wiring, and improved bearing block and counterweight design, this is the most complete tonearm range on the market right now.





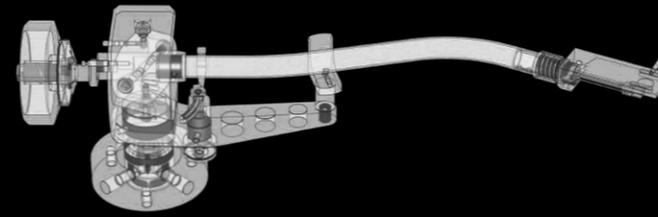
STRAIGHT

EVO CC

- TONARM EVO 9 CC BLACK
- TONARM EVO 9 CC HG
- TONARM EVO 10 CC BLACK
- TONARM EVO 10 CC HG
- TONARM EVO 12 CC BLACK
- TONARM EVO 12 CC HG

EVO CA PREMIUM

- TONARM EVO 9 CA PREMIUM BLACK
- TONARM EVO 9 CA PREMIUM HG
- TONARM EVO 10 CA PREMIUM BLACK
- TONARM EVO 10 CA PREMIUM HG
- TONARM EVO 12 CA PREMIUM BLACK
- TONARM EVO 12 CA PREMIUM HG



S-SHAPE

EVO AS

- TONARM EVO 9 AS BLACK
- TONARM EVO 9 AS HG
- TONARM EVO 10 AS BLACK
- TONARM EVO 10 AS HG
- TONARM EVO 12 AS BLACK
- TONARM EVO 12 AS HG

EVO AS PREMIUM

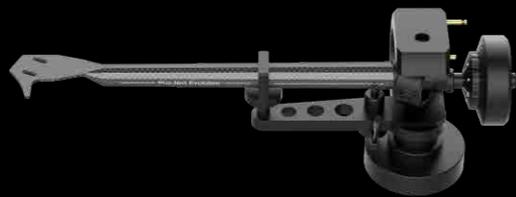
- TONARM EVO 9 AS PREMIUM BLACK
- TONARM EVO 9 AS PREMIUM HG
- TONARM EVO 10 AS PREMIUM BLACK
- TONARM EVO 10 AS PREMIUM HG
- TONARM EVO 12 AS PREMIUM BLACK
- TONARM EVO 12 AS PREMIUM HG

STRAIGHT
EVO CC BLACK



LENGTH

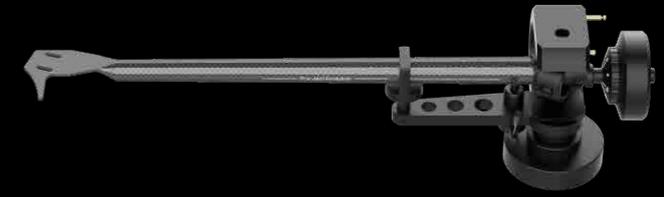
9"



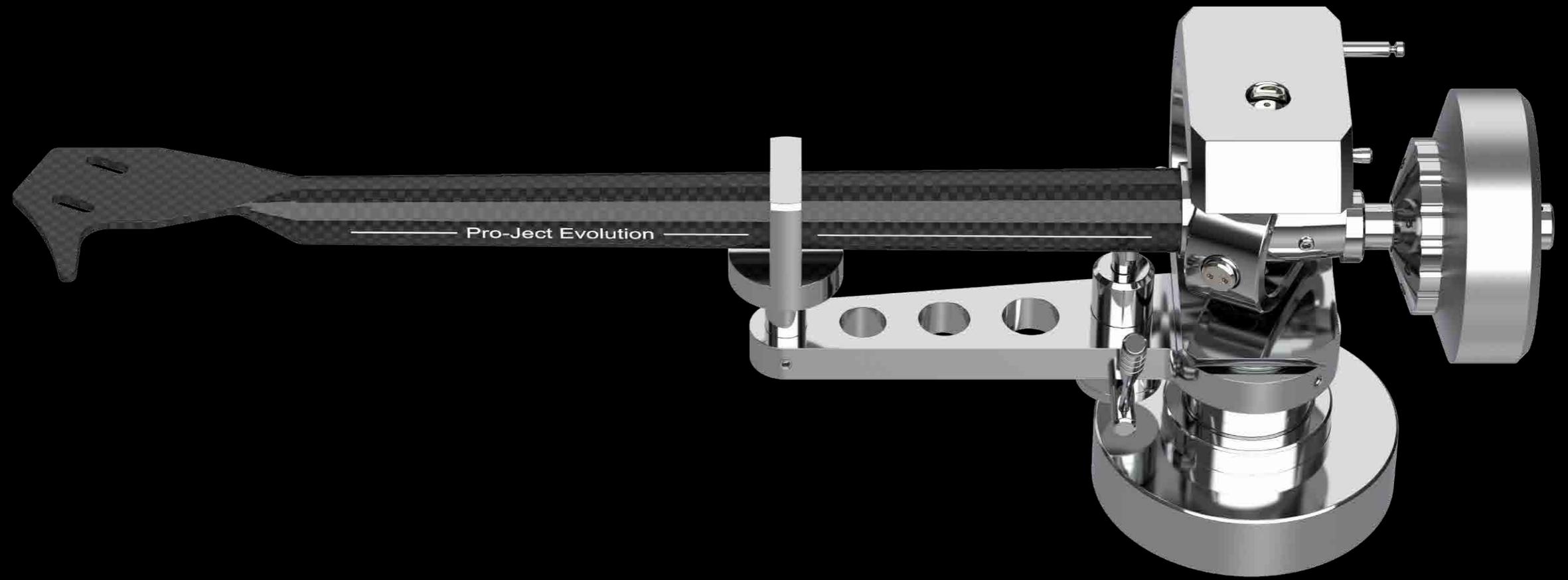
10"



12"

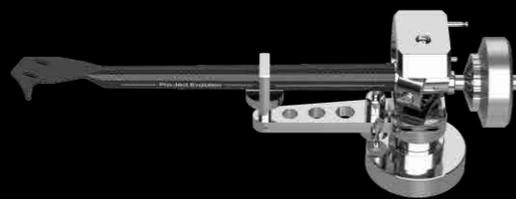


STRAIGHT
EVO CC HG



LENGTH

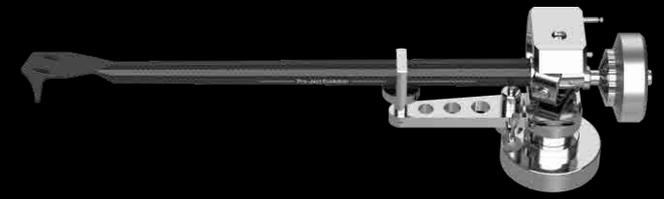
9"



10"



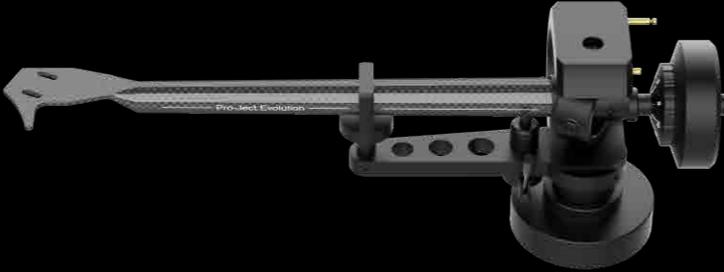
12"



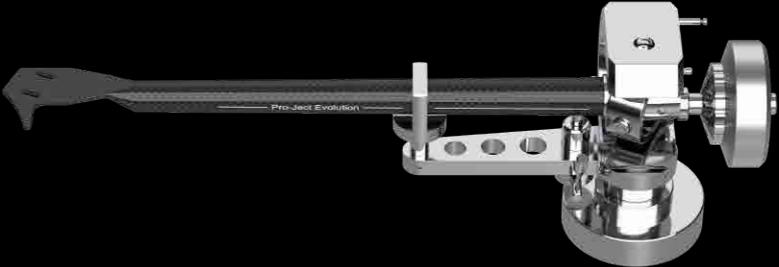
EVO CC BLACK

EVO CC HG

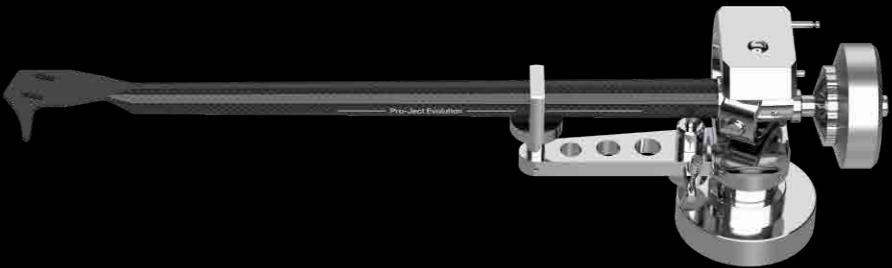
9"



10"



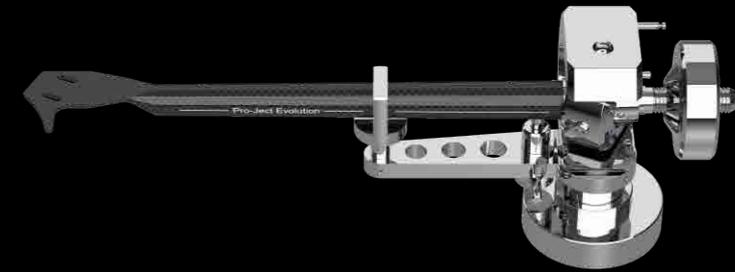
12"



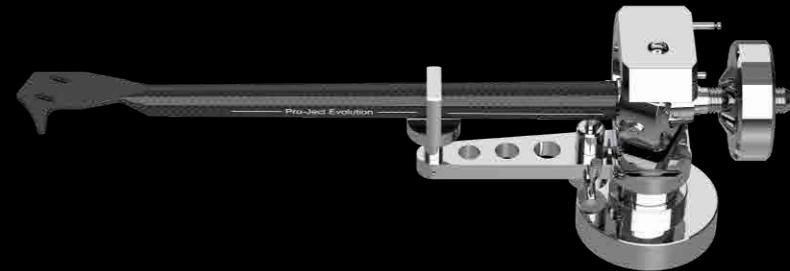
EVO CA BLACK
PREMIUM

EVO CA HG
PREMIUM

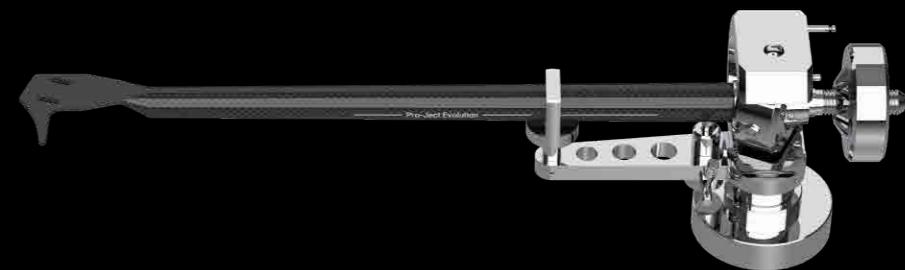
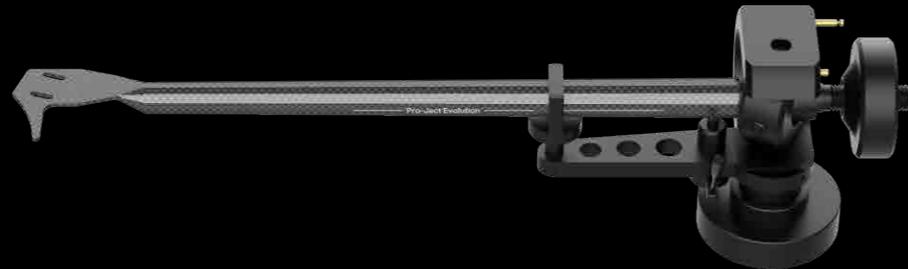
9"



10"

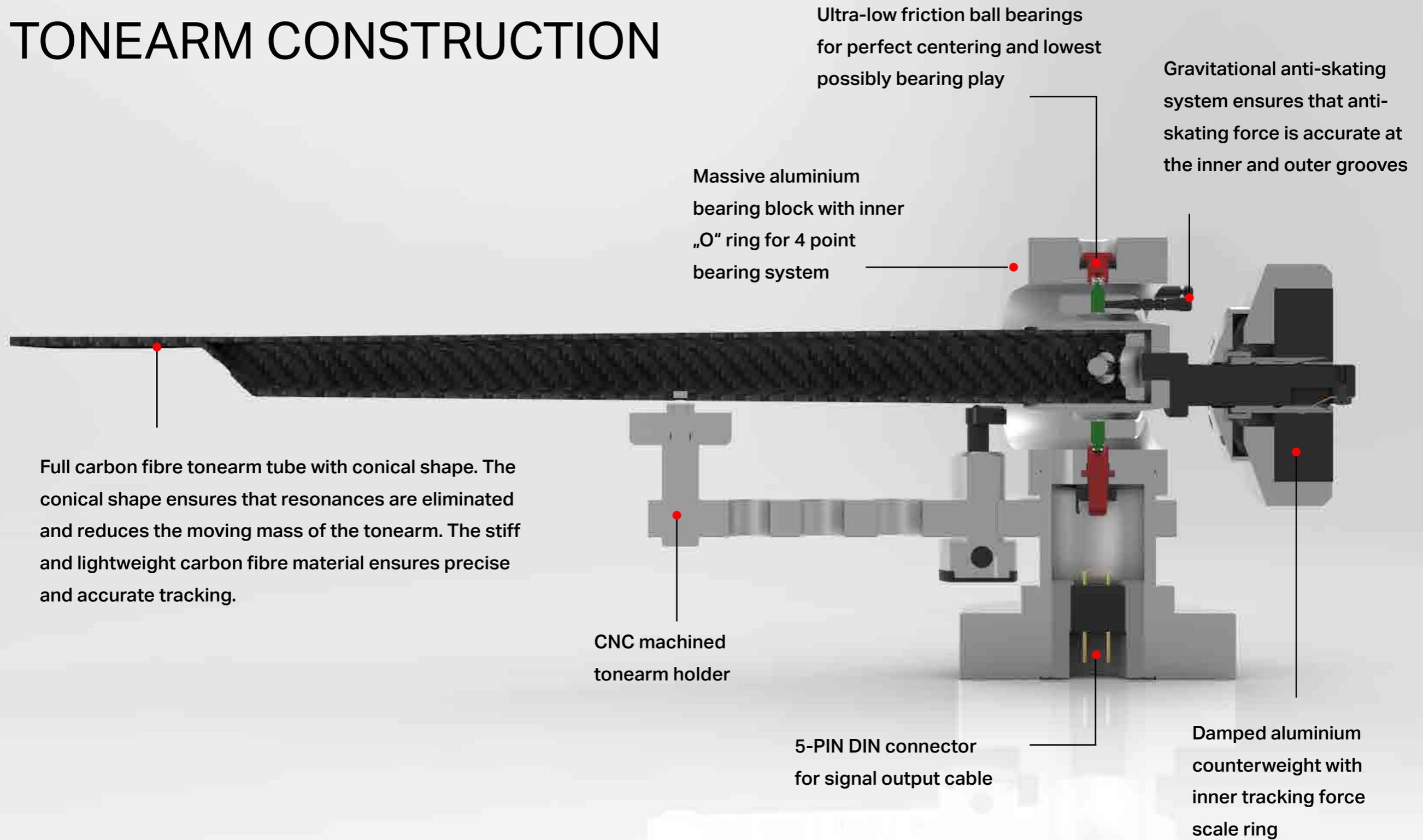


12"



EVO CC

TONEARM CONSTRUCTION



Full carbon fibre tonearm tube with conical shape. The conical shape ensures that resonances are eliminated and reduces the moving mass of the tonearm. The stiff and lightweight carbon fibre material ensures precise and accurate tracking.

CNC machined
tonearm holder

5-PIN DIN connector
for signal output cable

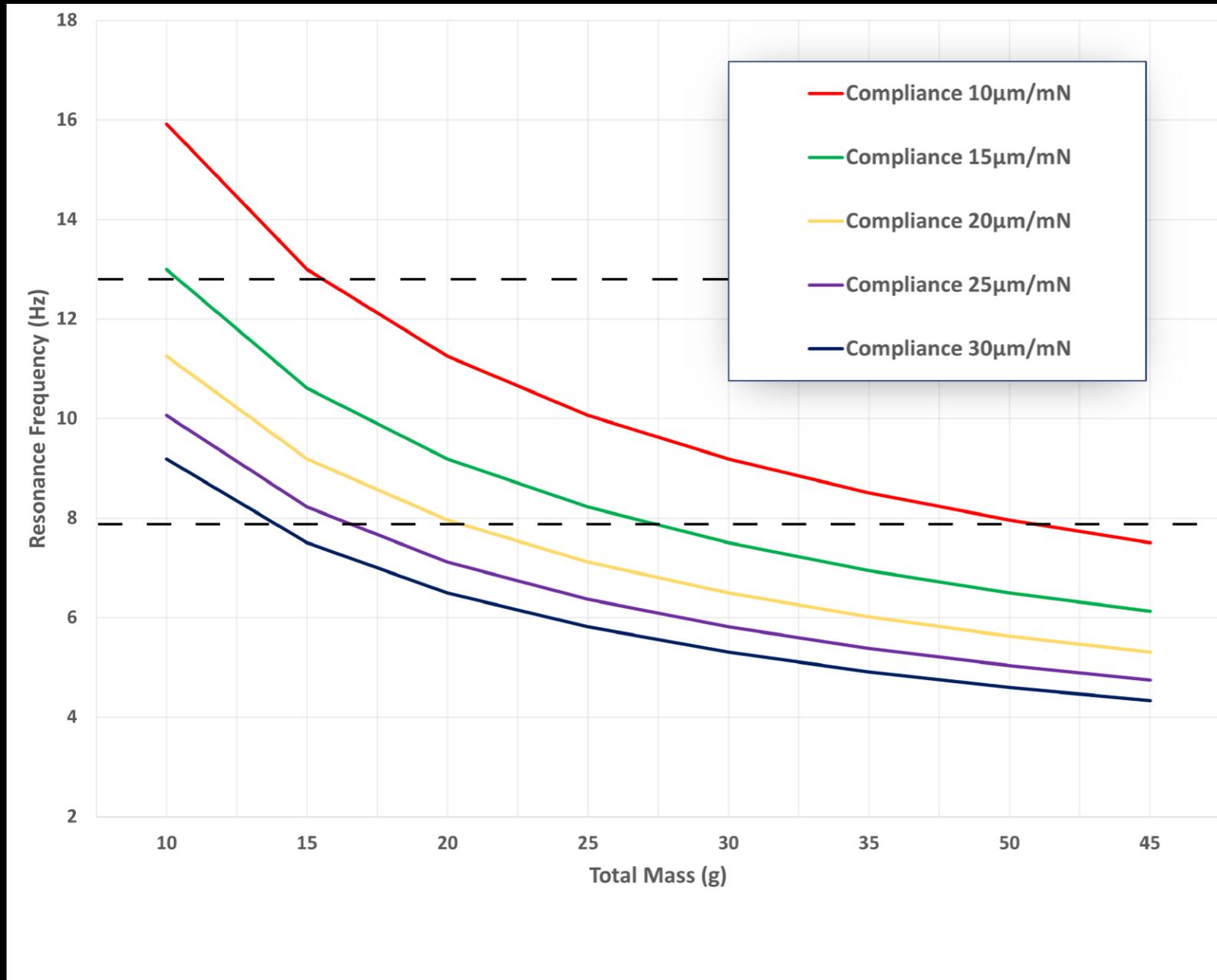
Damped aluminium
counterweight with
inner tracking force
scale ring

Massive aluminium
bearing block with inner
„O” ring for 4 point
bearing system

Ultra-low friction ball bearings
for perfect centering and lowest
possibly bearing play

Gravitational anti-skating
system ensures that anti-
skating force is accurate at
the inner and outer grooves

EVO CC & EVO CA PREMIUM



EVO CC Tonearms

Suitable for 12 to 30 µm/mN

Recommended by Pro-Ject for:
high compliance cartridges
-> 20 µm/mN and higher

Our cartridge recommendations:

- Ortofon 2M Series
- Ortofon Quintet Series
- Sumiko Songbird
- Sumiko Blackbird
- Sumiko Moonstone

EVO CA PREMIUM Tonearms

Suitable for 5 - 25 µm/mN

Recommended by Pro-Ject for:
medium compliance cartridges
-> 10 to 20 µm/mN

Our cartridge recommendations:

- Ortofon Cadenza Series
- Ortofon Quintet Series
- Sumiko Songbird
- Sumiko Blackbird
- Sumiko Rainier





S-SHAPE
EVO AS BLACK



LENGTH

9"



10"



12"



S-SHAPE
EVO AS HG



LENGTH

9"



10"



12"



Premium SME-standard Headshells

Detachable headshells have the considerable advantage that you can use multiple cartridges, depending on the sound character you desire. You can also fine-tune the sound character by using different headshell materials influencing the total effective mass of the tonearm and, consequently the resonance frequency.



EVO AS BLACK

EVO AS HG

9"



10"



12"



**EVO AS BLACK
PREMIUM**

**EVO AS HG
PREMIUM**

9"



10"

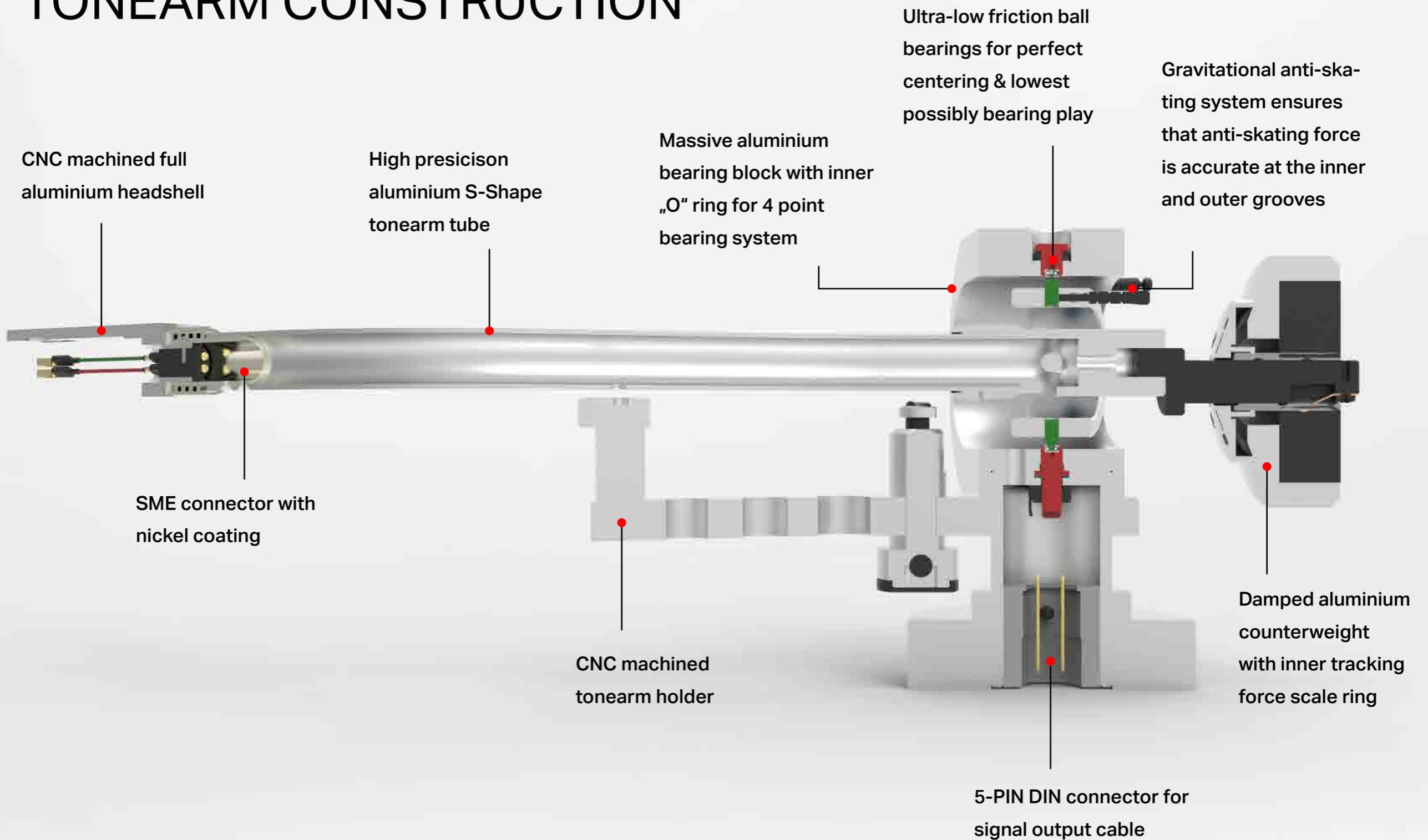


12"

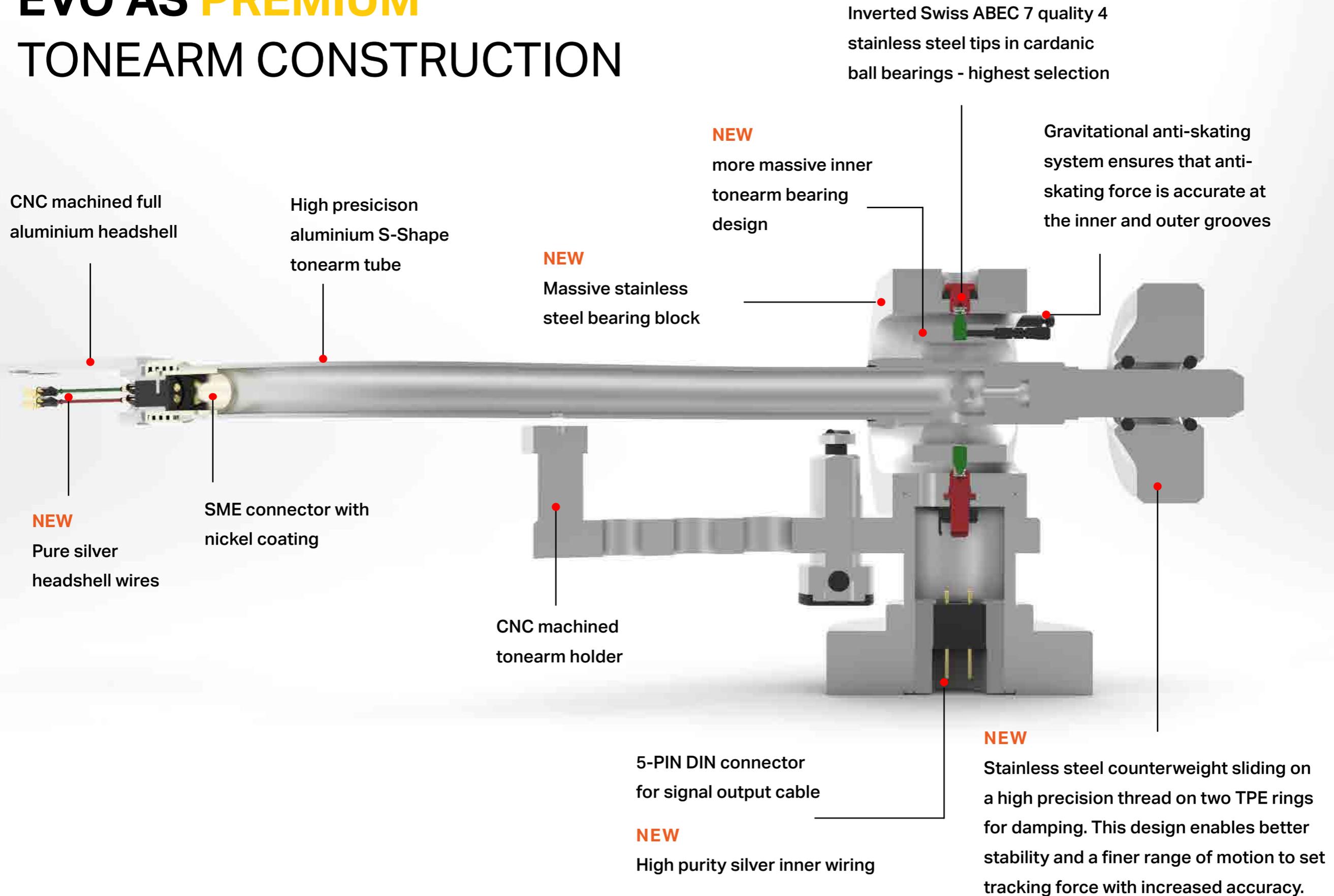


EVO AS

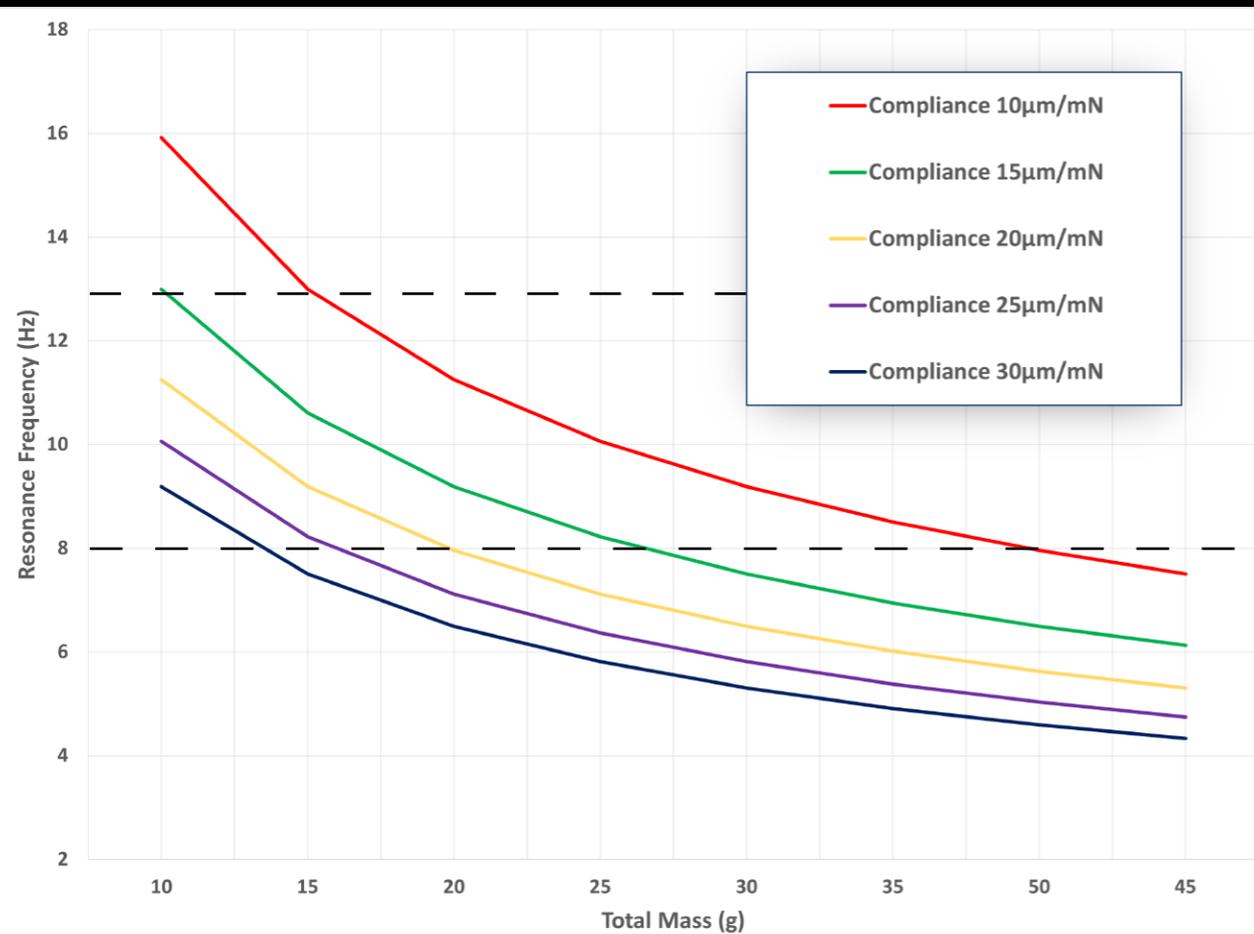
TONEARM CONSTRUCTION



EVO AS PREMIUM TONEARM CONSTRUCTION



EVO AS & EVO AS PREMIUM



EVO AS Tonearms

Depending on headshell weight suitable for 5 to 25 µm/mN

Recommended by Pro-Ject for low compliance cartridges
-> 5 to 10 µm/mN

Our cartridge recommendations:

With aluminium headshell:

- Ortofon Cadenza Series

With carbon headshell:

- Ortofon Cadenza Series

With wood headshell:

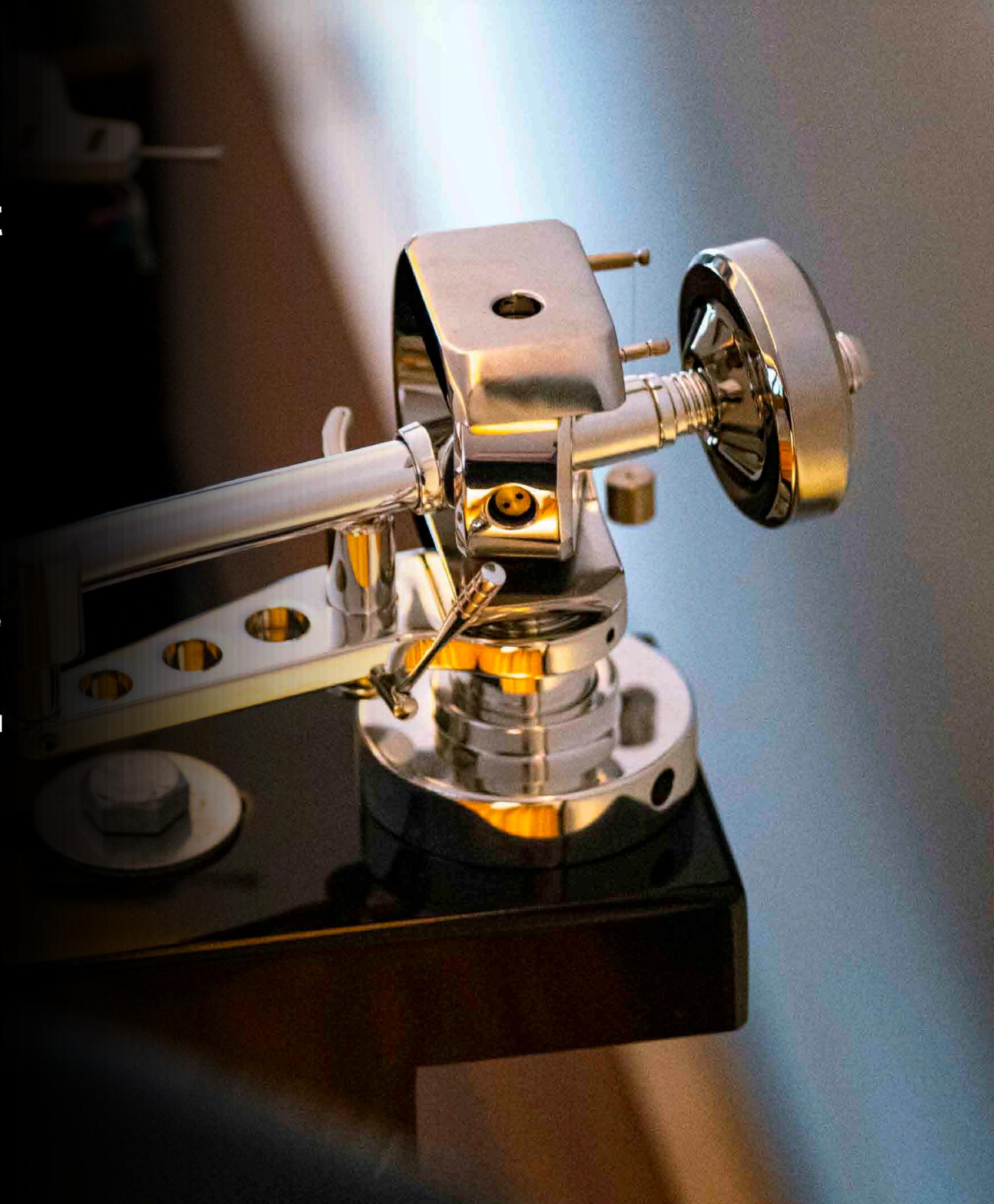
- Ortofon Cadenza Series
- Ortofon Quintet Series

How to select the ideal counterweight

We recommend to use the optimal counterweight from the supplied ones, following this guidelines (VTF=downforce=stylus pressure):

1. The closer the counterweight is to the pivot point (at the recommended VTF), the lower the inertia gets.
2. The lowest inertia setting (closest to pivot, so the heaviest counterweight possible for the recommended VTF) normally sounds best.
3. Choose the heaviest counterweight first and test if the VTF can be reached. If not, use the lighter counterweight.

Sidenote: it is recommended to have a VTF slightly higher than recommended when the cartridge is new. After a few hours lower the downforce to the recommendation.







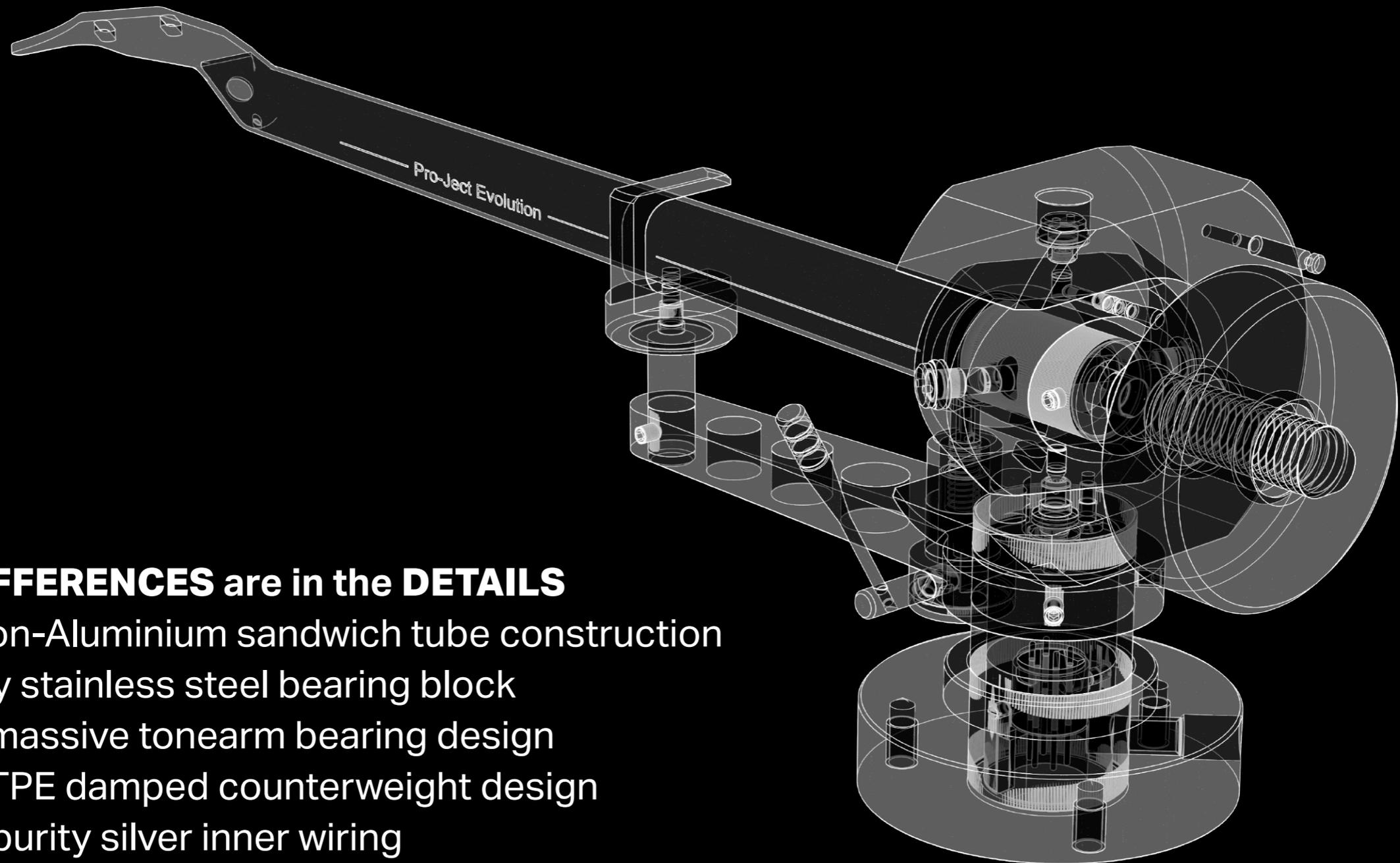






STANDARD VS PREMIUM

THE DIFFERENCES



The **DIFFERENCES** are in the **DETAILS**

- > Carbon-Aluminium sandwich tube construction
- > Heavy stainless steel bearing block
- > New massive tonearm bearing design
- > New TPE damped counterweight design
- > High purity silver inner wiring

STANDARD VS PREMIUM

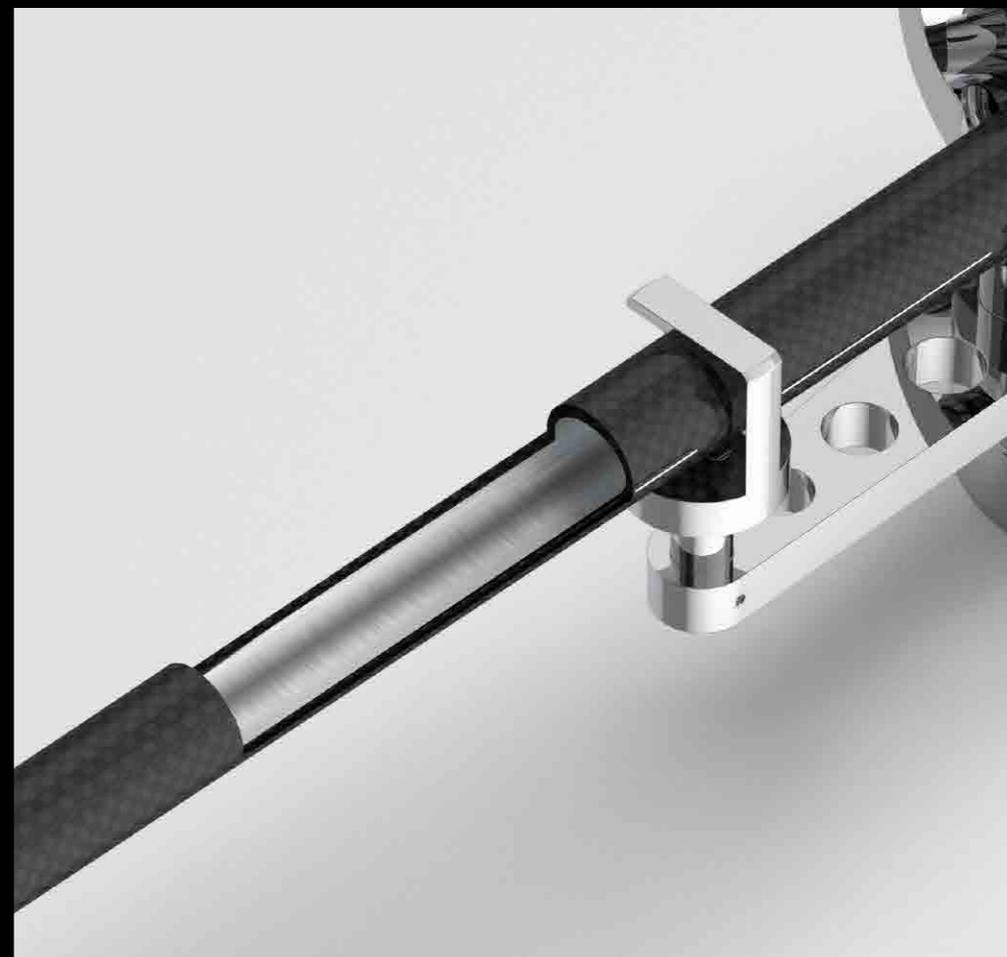
TONARM TUBE

STANDARD



Conical Carbon

PREMIUM

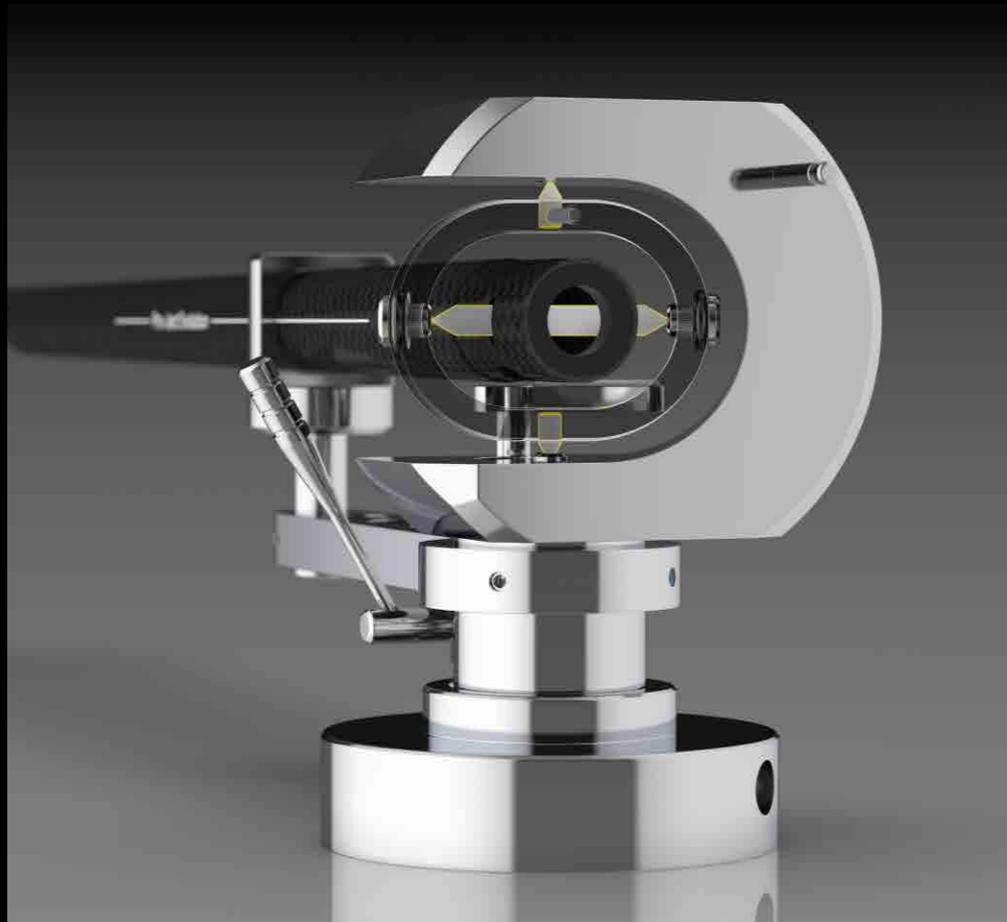


Conical Carbon-Aluminium

STANDARD VS PREMIUM

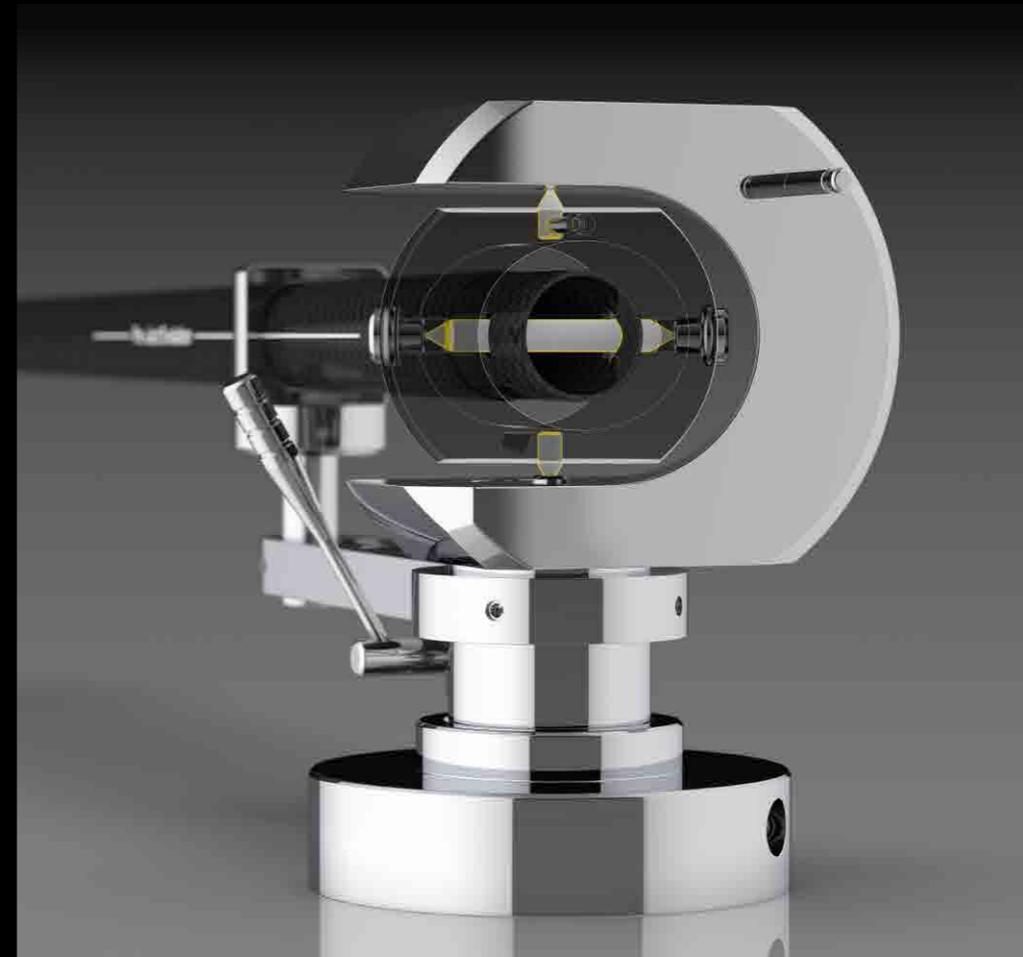
TONARM BEARING

STANDARD



Inverted ABEC 7 quality 4 stainless steel tips in cardanic ball bearings

PREMIUM

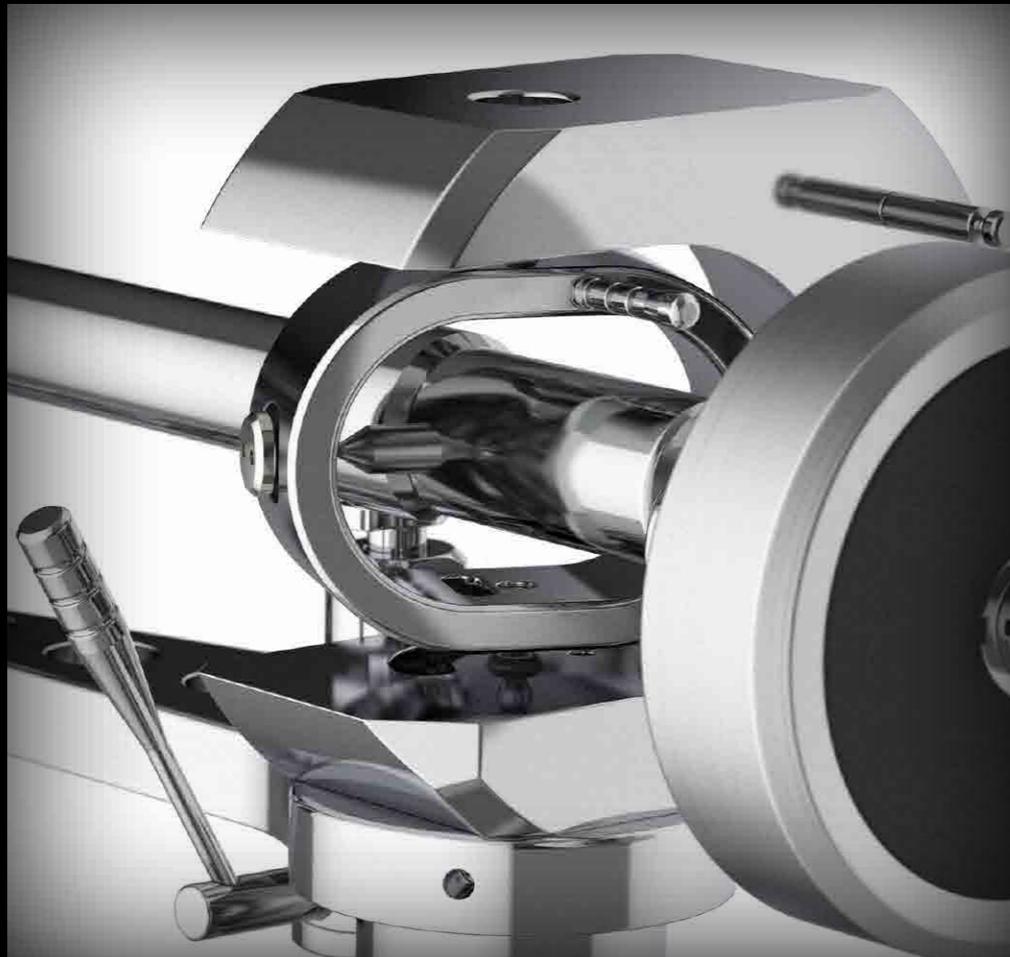


Inverted swiss ABEC 7 quality 4 stainless steel tips in cardanic ball bearings - highest selection

STANDARD VS PREMIUM

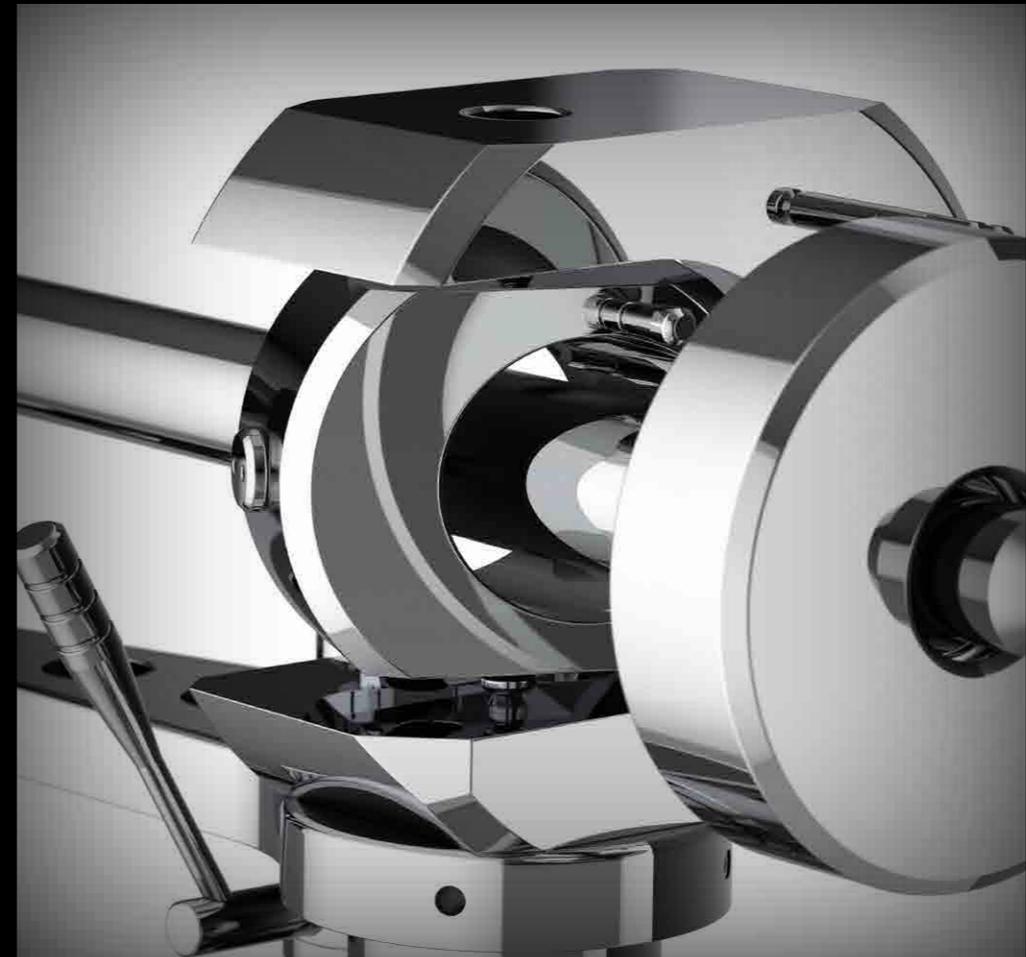
BEARING BLOCK

STANDARD



Aluminium

PREMIUM



Stainless Steel Massive construction

STANDARD VS PREMIUM

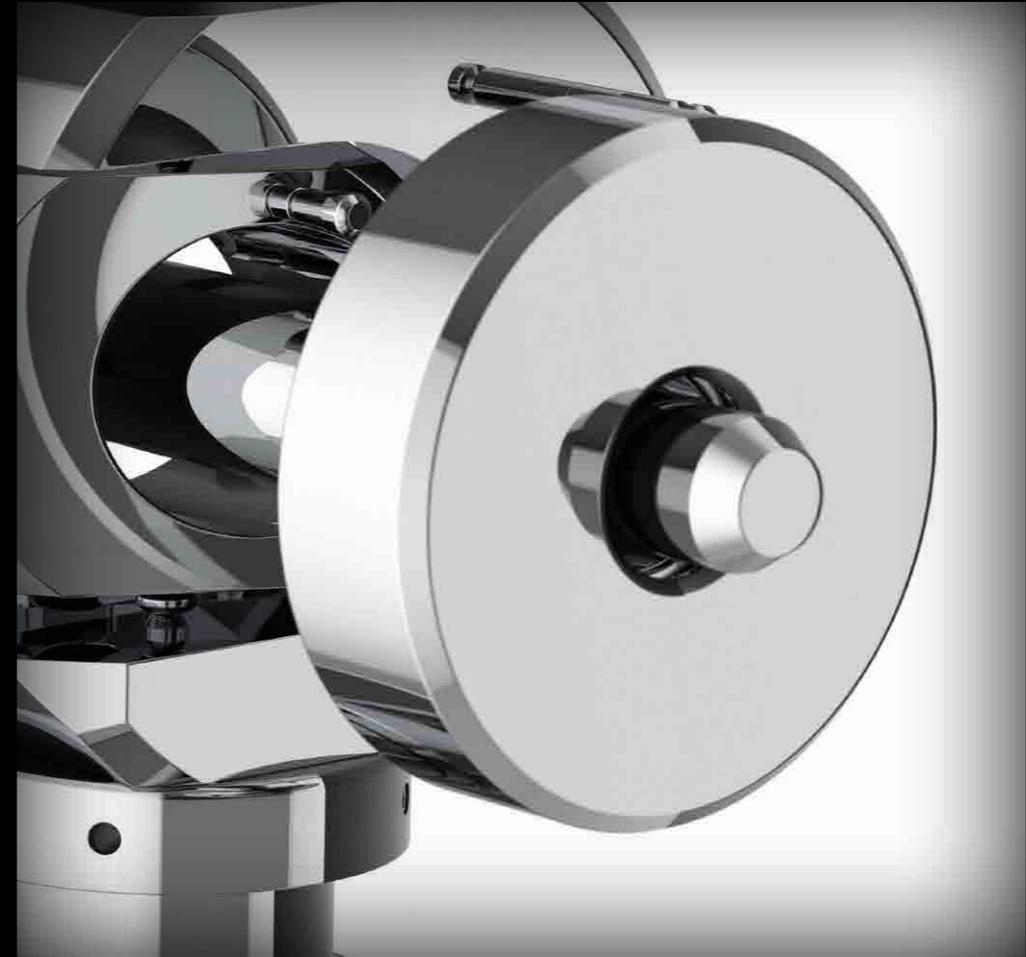
COUNTERWEIGHT

STANDARD



TPE damped

PREMIUM

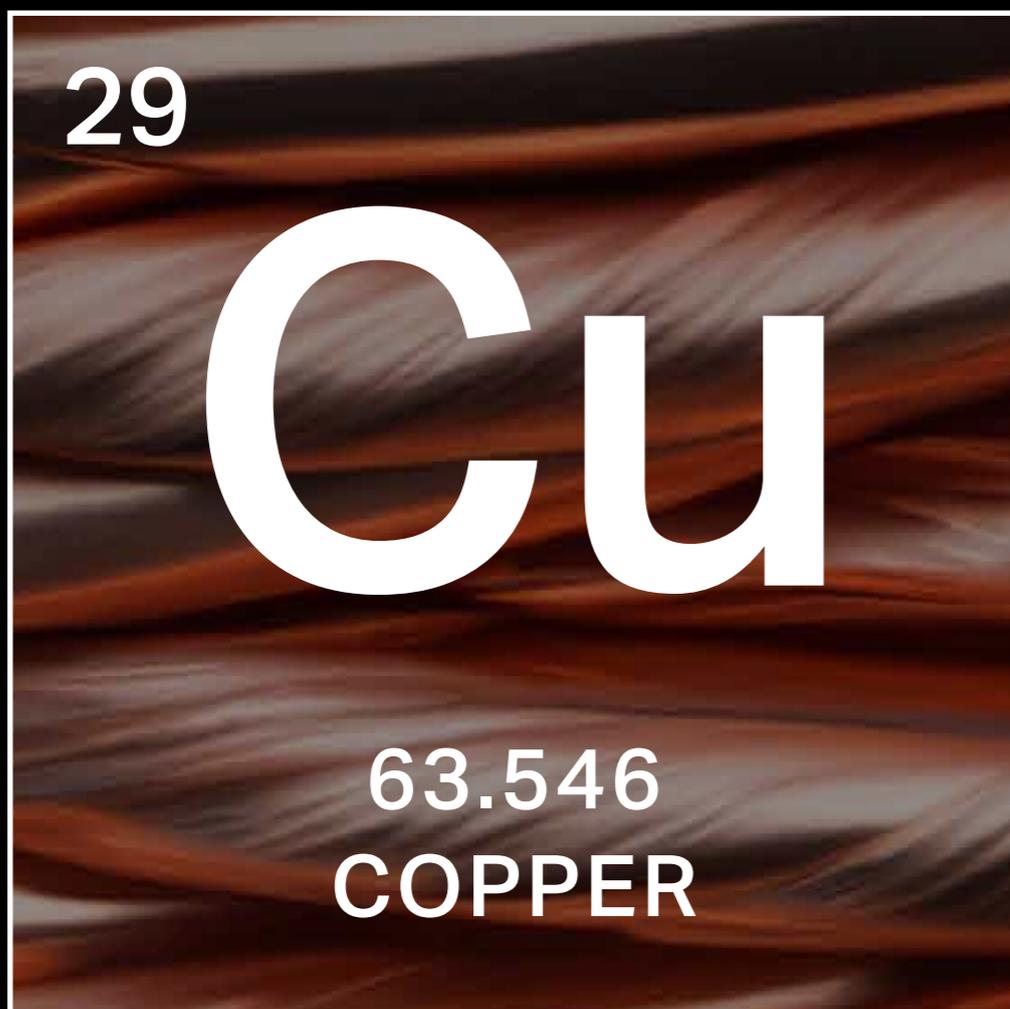


Not visible TPE damped - new design!

STANDARD VS PREMIUM

WIRING AND CARTRIDGE LEADS

STANDARD

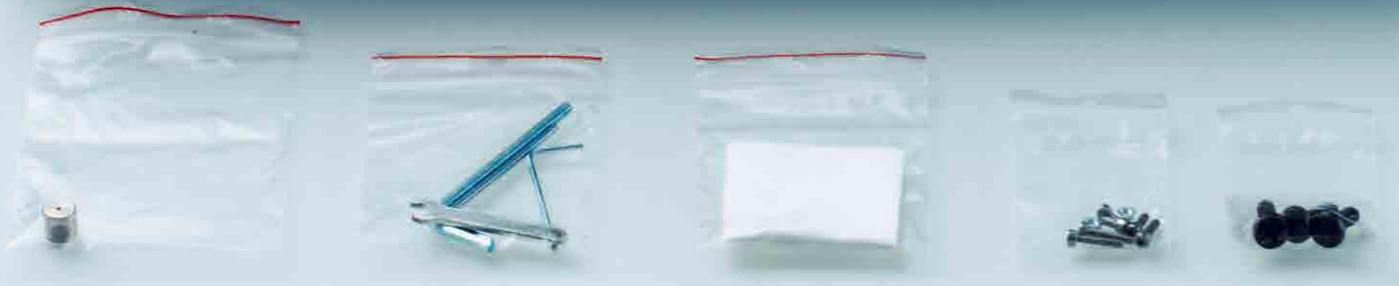
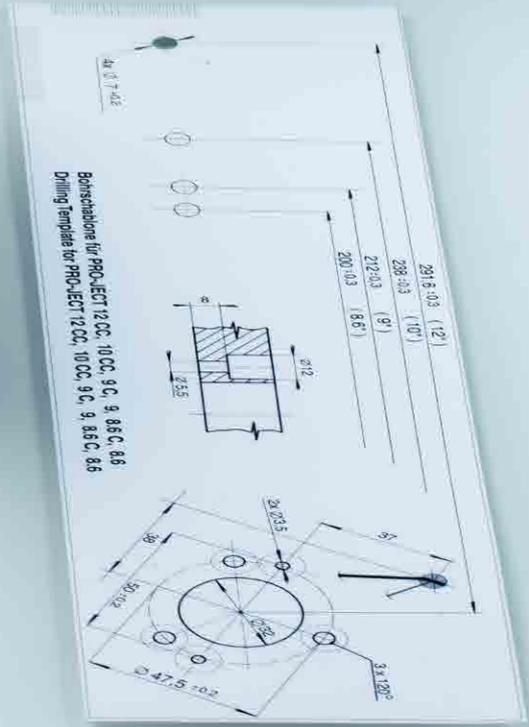
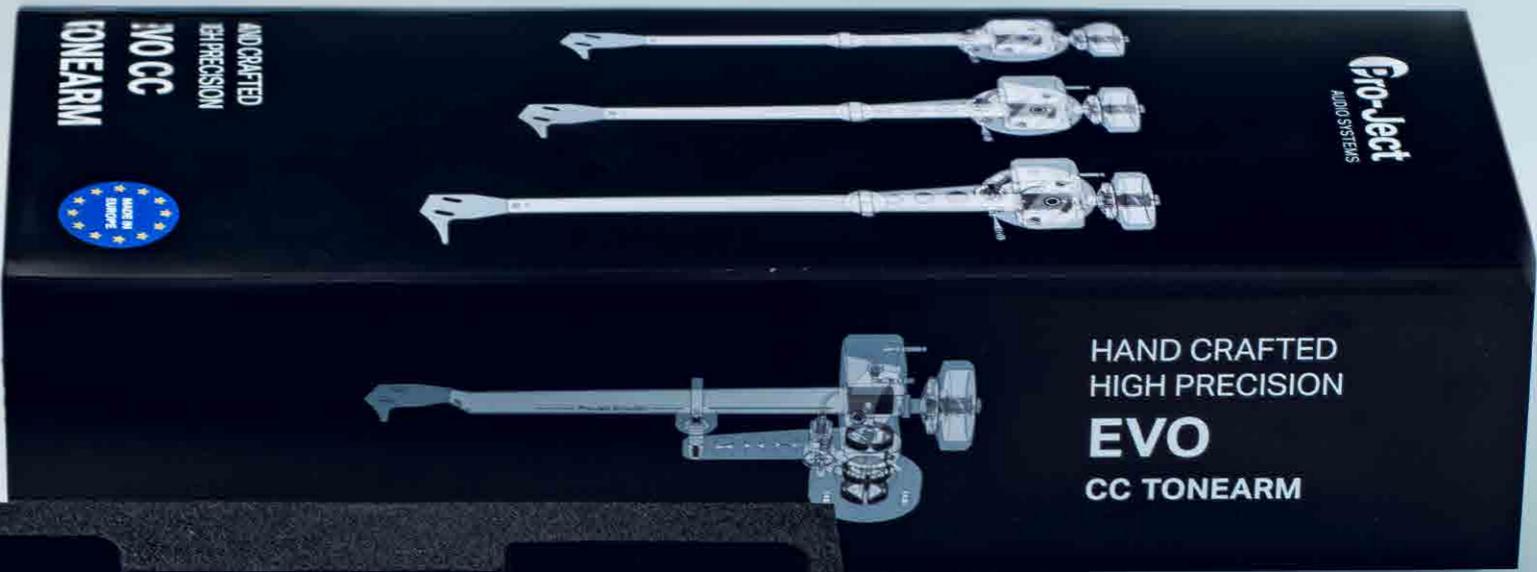


High purity Copper

PREMIUM



High purity Silver



UPGRADE OFFER

- Trade in your old EVO tonearm for a new EVO tonearm.
- Upgrade your older classic Pro-Ject turntable with our new EVO arms.
- Trade in your existing tonearm from other manufacturers. We offer a wide variety of flanges to match your turntable (SME, Jelco, Morch, Ortofon) and even complete custom flanges for other tonearms and manufacturers.



STANDARD VS PREMIUM

TONARM OVERVIEW TECHNICAL DATA

	Straight					
	EVO CC			EVO CA PREMIUM		
	12"	10"	9"	12"	10"	9"
Effective tonearm length (from tonearm pivot to stylus)	304,8 mm	254 mm	230 mm	304,8 mm	254 mm	230 mm
Mounting distance (from tonearm pivot to spindle)	291,6 mm	238 mm	212 mm	291,6 mm	238 mm	212 mm
Offset angle (between groove and stylus direction)	18°	21,4°	24°	18°	21,4°	24°
Overhang (from the spindle to the stylus)	13,2 mm	16 mm	18 mm	13,2 mm	16 mm	18 mm
Pitch of mounting grooves in headshell	12,7 mm	12,7 mm	12,7 mm	12,7 mm	12,7 mm	12,7 mm
Effective tonearm mass	12,5 g	9 g	8 g	24 g	19,5 g	16 g
Cartridge weight (based on supplied counterweights)	6-15 g	6-14 g	7-14 g	7-20 g	5-18 g	7-18 g
Tracking force range	0 - 3 g	0 - 3 g	0 - 3 g	0 - 3 g	0 - 3 g	0 - 3 g
Minimal null point	125 mm	126,8 mm	130,6 mm	125 mm	126,8 mm	130,6 mm
Maximal null point	251,7 mm	248,2 mm	243,7 mm	251,7 mm	248,2 mm	243,7 mm
Tonearm weight (without flange)	271g	269g	265g	520g	512g	506g

	S-Shape					
	EVO AS			EVO AS PREMIUM		
	12"	10"	9"	12"	10"	9"
Effective tonearm length (from tonearm pivot to stylus)	304,8 mm	254 mm	230 mm	304,8 mm	254 mm	230 mm
Mounting distance (from tonearm pivot to spindle)	291,6 mm	238 mm	212 mm	291,6 mm	238 mm	212 mm
Offset angle (between groove and stylus direction)	18°	21,4°	24°	18°	21,4°	24°
Overhang (from the spindle to the stylus)	13,2 mm	16 mm	18 mm	13,2 mm	16 mm	18 mm
Pitch of mounting grooves in headshell	12,7 mm	12,7 mm	12,7 mm	12,7 mm	12,7 mm	12,7 mm
Effective tonearm mass with headshell / without headshell	25,5 / 15,5 g	22 / 12 g	20 / 10 g	25,5 / 15,5 g	22 / 12 g	20 / 10 g
Cartridge weight (based on supplied counterweights)	7-22 g	6,5-18 g	6,5-16 g	7-22 g	6,5-18 g	6,5-16 g
Tracking force range	0 - 3 g	0 - 3 g	0 - 3 g	0 - 3 g	0 - 3 g	0 - 3 g
Minimal null point	125 mm	126,8 mm	130,6 mm	125 mm	126,8 mm	130,6 mm
Maximal null point	251,7 mm	248,2 mm	243,7 mm	251,7 mm	248,2 mm	243,7 mm
Tonearm weight (without flange)	311g	305g	303g	510g	507g	506g



24 TONEARMS

BY PRO-JECT AUDIO SYSTEMS

