

REAL DJs PLAY VINYL



ortofon
DJ Cartridges

WORLD LEADER IN THE CARTRIDGE INDUSTRY

Ortofon has always been a leading company in the field of sound reproduction. Founded in Copenhagen in 1918, Ortofon started by creating technology which served as the basis for adding a soundtrack to the silent movies of the early 1920s. In 1948, the company developed the first moving coil cartridge, and since then Ortofon has developed and manufactured more than 300 different cartridges.

Today Ortofon is the world leader in cartridges, both HiFi and DJ. This is the result of combining design with technology and the highest level of engineering in the audio industry. Acoustics, materials technology and micro mechanics are key competences in Ortofon's technological prowess.



Ortofon has its research and manufacturing facilities in Denmark; the production of cartridges and components is carried out at the company's factory in Nakskov, Denmark.

Production is based on experienced workers with a high level of craftsmanship. This assures the high uniform quality of Ortofon products. The cartridges are sold worldwide through a network of more than 60 importers and sales subsidiaries in the USA and Japan. Ortofon is today recognized among consumers and industry professionals as a quality brand.

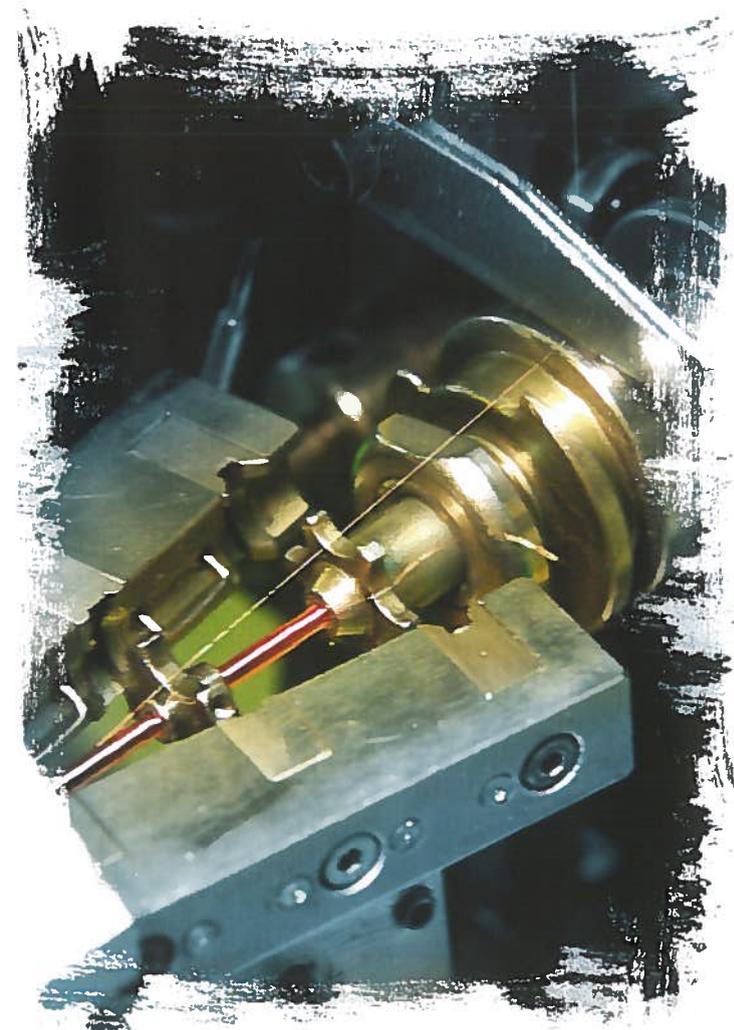
In 1979 the famous Concorde design was introduced, earning the company a Danish Industrial Design Award for its Low Mass Concorde integrated cartridge/headshell configuration. In the mid of 1980-ies Ortofon began to develop and manufacture DJ cartridges for Club, Hip-hop and Scratch application.

Ortofon is involved in local sponsorships in cooperation with local Ortofon partners, sponsorships of DJ schools and DJs. The collaboration with Q.Bert included joint product development.

THE CONCEPT OF ANALOGUE

The Ortofon cartridges are of analogue concept, dedicated to people who enjoy listening to music. Contrary to digital, analogue sound is unlimited. No finite sampling frequency or resolution limits the sonic experience. When digital is a convenient format for storing large volumes, the details are lost and can never be recovered. Only analogue records allow you to enjoy original music as the artists intended. Admittedly, it takes a quality turntable to fully enjoy analogue sound and an equally good cartridge to reveal the record's true potential.

To help you appreciate the importance of the cartridge to any music system, we need to tell you a little more about how music is picked up from the groove.

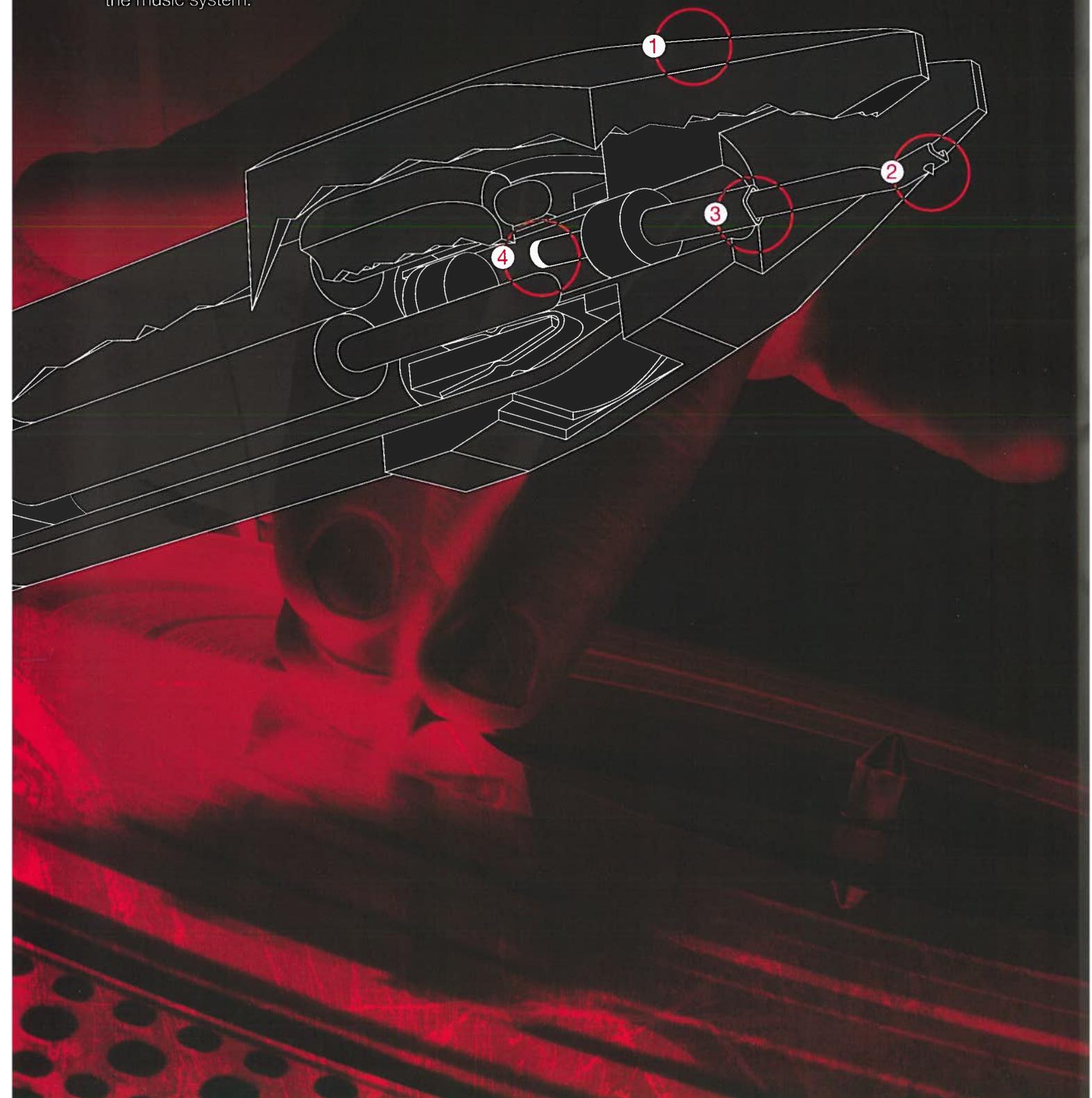


With more than 9 decades of experience, Ortofon presents a full range of cartridges which offers an unprecedented level of sound reproduction. An Ortofon cartridge is able to bring out the true soul of analogue recording.

DJ CARTRIDGE

THE CARTRIDGE ¹

A cartridge consists of three basic components: the stylus that traces the record groove, the cantilever, the part on which the stylus is mounted, and the generating system. The generating system converts the motion of stylus and the cantilever into electrical replicas of the sound, which can then be amplified and reproduced by the music system.



RIDGES

THE STYLUS²

The stylus is the only part of the cartridge to make contact with the record. A force must be exerted by the tonearm to keep the stylus in the groove while the record is spinning. This tracking force is low, usually between three and four grams. But because the stylus has a "footprint" of less than one millionth of a square inch of the record face, it exerts a tremendous pressure: 6,000 pounds per square inch. At such enormous pressure, any roughness or irregularity in the stylus would cause record damage.

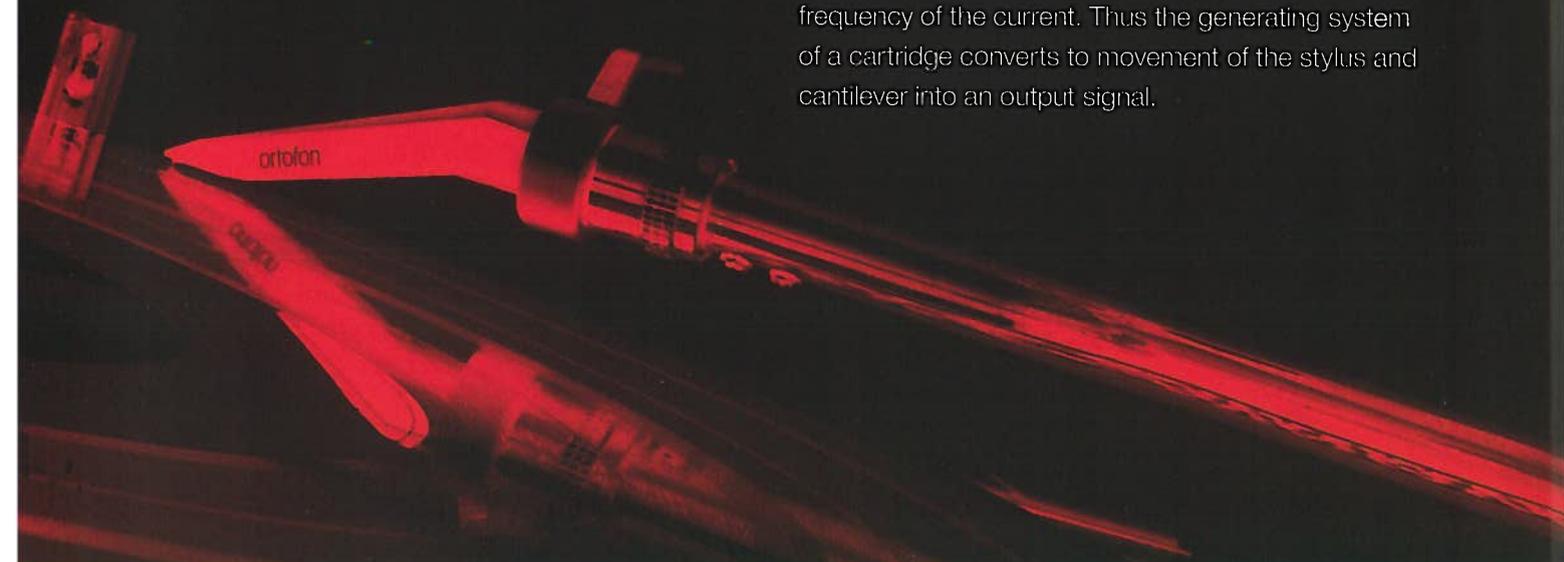
The stylus must also be very hard or it will wear out quickly. For these reasons, quality styli are precision made from the finest and hardest material known: pure diamond. Spherical stylus is for heavy back-cueing and scratching. Stays in the groove. Elliptical stylus is for lighter back-cueing and scratching. Best sound performance.

THE CANTILEVER³

The purpose of the cantilever is to act as an intermediate between the stylus and the generating system. Compared to its size the stylus moves at tremendous speed while tracking the groove of the spinning record. In order that the cantilever may accurately transmit the rapid stylus movements, it should be lightweight so it can respond without inertia to the twists and turns of the groove. At the same time the cantilever should be rigid, because any bending, flexing or vibration would add distortion and sound coloration. The necessary compromise between lightweight and high strength requires great ingenuity in the design as well as the choice of the materials.

THE GENERATING SYSTEM⁴

High fidelity Ortofon cartridges follow the law of electromagnetism, discovered by the Danish scientist H.C. Oested. When material capable of conducting electricity (a copper coil) is set into motion perpendicular to a magnetic field - or when a magnet is moved near such conductive material - electrical current is generated in the circuit. The direction and speed of the movement determine the amplitude and frequency of the current. Thus the generating system of a cartridge converts to movement of the stylus and cantilever into an output signal.



PRO

Entry level
cartridge for
all-purpose use.



New DJ? This entry-level cartridge is perfect for newcomers on the DJ scene who want to start off with decent, but not too expensive equipment. The Pro S has a spherical diamond stylus which minimizes scratching and a solid cantilever which can survive hectic activity at the turntable. No matter what the application, the Pro S provides

remarkable versatility for virtually any setting. The sound quality is absolutely not to worry about. The Pro S is a consistent performer and a fine all-rounder!

PRO S is available in following configurations

- Concorde Twin (two Concorde cartridges) in Alu Flight case
- Concorde Single (one Concorde cartridge)
- Single OM cartridge
- Replacement stylus



Spherical Stylus
Scratch



Tracking Force
4.0 g (40 mN)



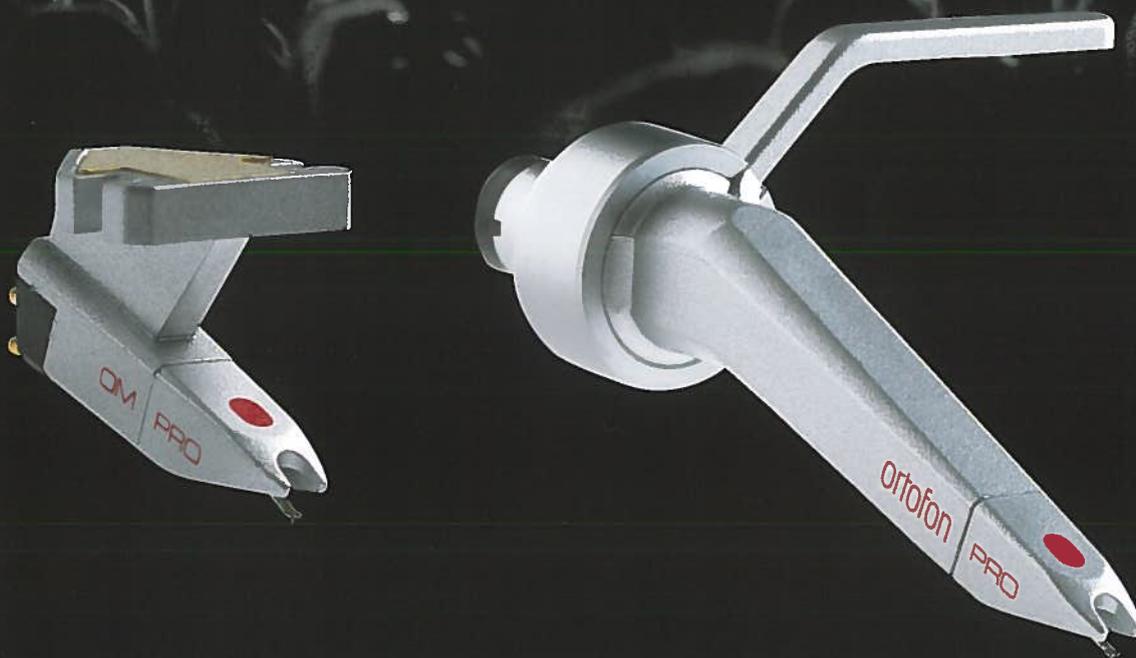
Output
5 mV



Frequency Response
20-18.000 Hz +3/- 2 dB

General purpose
model for scratch
and back-cueing.

PRO



Great performance and durability as to basic scratch and back-cueing is what the Pro is known for. It has a good quality spherical stylus, a rock-solid cantilever, and serves general purposes well. The Pro is the logical alternative to the more expensive expert carts. It offers both reasonable output and high sound quality which is, in fact, all there is needed to entertain an audience.

The Pro Series of cartridges provides a great balance of sound quality with tracking ability, for virtually any style of music. With flat, transparent sound across the spectrum and excellent handling ability, the Pro Series represents one of the longest running values in DJ cartridges. Ideal choice for talented, but less experienced DJs!

PRO is available in following configurations

- Concorde Twin (two Concorde cartridges) in Alu Flight case
- Concorde Single (one Concorde cartridge)
- Single OM cartridge
- Replacement stylus



Spherical Stylus
Scratch



Tracking Force
4.0 g (40 mN)



Output
5 mV



Frequency Response
20-18,000 Hz +3/-2 dB

SCRATCH

Especially developed for scratch and back-cueing. Very high output.



As implied by the name, the Scratch is intended especially for the disciplines of scratch and back-cueing. Like the Q.Bert, DJs had a say in designing this cartridge so it would match the needs of dance floor kings. It is made of a fluorescent neon-red material with the intention it becoming highly apparent in spotlight and luminous in ultraviolet light. For DJs that require increased tracking ability, the Scratch

is up to the task. Featuring a reinforced rubber suspension, DJs need not worry about compromising sound quality and stylus life when working with higher tracking forces. With solid bass reproduction and extended highs, the Scratch is great for any style, providing energetic, in-your-face sound. Maximum scratch performance guaranteed!

Scratch is available in following configurations

- Concorde Twin (two Concorde cartridges) in Alu Flight case
- Concorde Single (one Concorde cartridge)
- Single OM cartridge
- Replacement stylus



Spherical Stylus
Scratch



Tracking Force
4.0 g (40 mN)



Output
7 mV



Frequency Response
20-15,000 Hz +3/-2 dB

Co-designed by DJ Q.Bert
for scratch and back-
cueing. High tracking ability.
Ultra high output.

BERT



Co-developed by one of the most legendary DJs of all time, the Ortofon Q.Bert provides unsurpassed handling, high output voltage, and low wear characteristics that literally put it in a class of its own. Turntablists and mix DJs alike will appreciate the strong output of this cartridge, coupled with unrivaled tracking ability and sonic characteristics. The Q.Bert features a more subdued high end, which helps

to minimize surface noise from worn vinyl, and an accentuated mid-range to help bring scratching to the front of the sound stage. The Q-Bert has a supreme ability to trace the grooves of your records and it is tailored specifically for scratch. Due to its enormous output, it is perfect for scratch of all music with deep bass frequencies.

Q.Bert is available in following configurations

- Concorde Twin (two Concorde cartridges) in Alu Flight case
- Concorde Single (one Concorde cartridge)
- Single OM cartridge
- Replacement stylus



Spherica Stylus
Scratch



Tracking Force
3.0 g (30 mN)



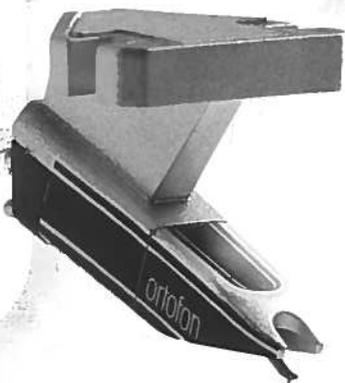
Output
11 mV



Frequency Response
20-18,000 Hz -3dB

SERATO S-120

A revolutionary high performance cartridge for DJs.
Exceptional tracking ability of 120 μm .



The Ortofon-Serato S-120 represents a completely new way of constructing and designing cartridges. Its breakthrough patent pending technology has been designed to provide maximum freedom for DJ performance.

An innovative technology, called asymmetric suspension, takes the cartridge performance to the next level.

Serato S-120 is available in following configurations

- Concorde Twin (two Concorde cartridges) in Alu Flight case
- Concorde Set (one Concorde cartridge + one extra stylus) in Alu Flight case
- OM Set (one OM cartridge + one extra stylus) in Alu Flight case
- OM mounted on a Ortofon-Serato headshell with markings
- Replacement stylus

Its superior tracking force ensures the S-120 stays in the groove even under extreme live performance conditions. In addition, its design achieves an unprecedentedly low level of record wear, which helps protect your valuable vinyl. On top of this, the S-120 is capable of providing a level of sound quality never thought possible from a modern DJ cartridge.



Spherical Stylus
Scratch



Tracking Force
4.0 g (40 mN)



Output
10 mV



Frequency Response
20-18,000 Hz +3/-2 dB

ELEKTRO

Techno cartridge
co-designed by DJs.
Very high output.



Every professional ought to try the Elektro, a techno cartridge made by a team of highly qualified technicians and experienced and capable DJs. Featuring a reinforced rubber suspension, the Elektro is the perfect hybrid needle for the artist who both mixes and scratches. Enhanced tracking ability and excellent sound quality combine to form a unique balance of form and functionality. With bold, round

sound, the Elektro brings your music to life, whether you're in the club or the studio. Unaffected by extreme sound pressure and repeated vibrations, it has a high output. The musical performance is always first-rate and the tracking ability of the spherical diamond stylus is quite good. A must-have for all scratch and back-cueing DJs!

Elektro is available in following configurations

- Concorde Twin (two Concorde cartridges) in Alu Flight case
- Concorde Single (Concorde cartridge)
- Single OM cartridge
- Replacement stylus



Spherical Stylus
Scratch



Tracking Force
4.0 g (40 mN)



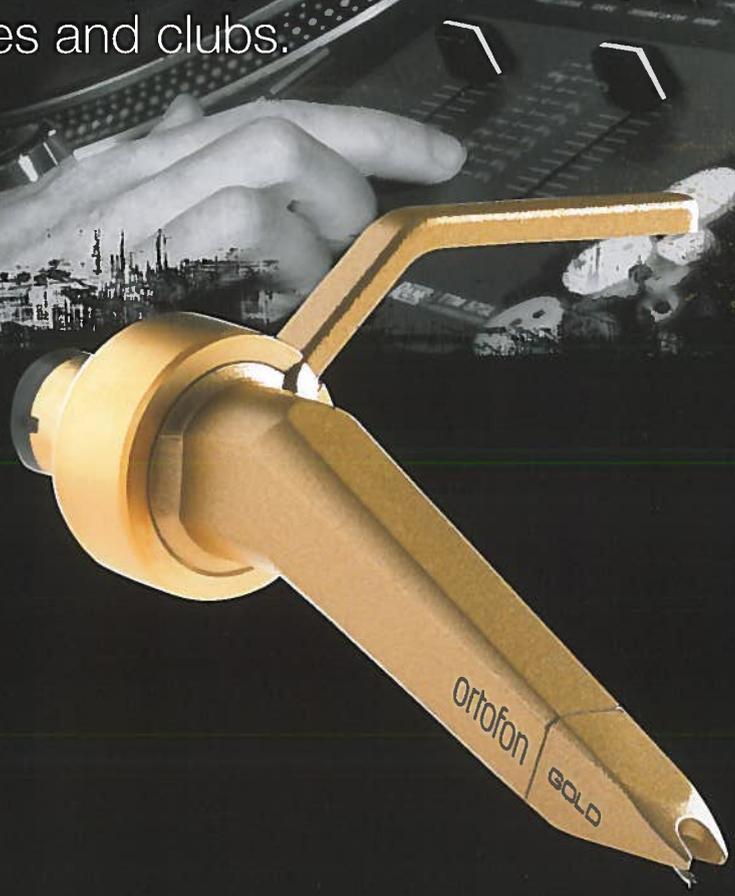
Output
7.5 mV



Frequency Response
20-15,000 Hz +3/-2 dB

GOLD

Top model with gold plating and Pro E diamond. Amazing sound quality. Perfect for usage in discotheques and clubs.



Perfect for usage in discotheques and clubs: provides the best possible sound quality available in a DJ cartridge! Designed to commemorate the release of the limited edition Technics SL-1200LTD and SL-1200GLD, the Concorde Gold was made to compliment the attractive stylings of these limited edition turntables and to provide the best possible sound quality available in a DJ cartridge. Using the

cartridge for the first time feels like striking gold. It is indeed the flagship product with its gold plating and special Pro E diamond. The Gold enjoys an excellent reputation for its amazing sound quality. Compatible to a very wide range of turntables and perfect for all entertainment purposes. Available only with an elliptical stylus, the Concorde Gold is for DJs who will settle for nothing but the very best!

Gold is available in following configurations

- Concorde Twin (two Concorde cartridges) in Alu Flight case
- Concorde Single (one Concorde cartridge)
- Replacement stylus

-  Special Elliptical Stylus Club
-  Tracking Force 3.0 g (30 mN)
-  Output 6 mV
-  Frequency Response 20-20,000 Hz ± 2 dB

The world's first needle designed specifically for coded vinyl with low record wear. High output.

DIGITRACK



The DigiTrack is the perfect marriage of easy and function. You can now manipulate MP3's with the style and feel of a turntablist and the tradition of a turntable. The DigiTrack responds to the generation of turntable DJs who make extensive use of timecoded vinyl applications, such as Serato™ and FinalScratch™. With DigiTrack's low wear design and tailored frequency response increase the lifespan of

timecoded vinyl records, and provides high quality sound reproduction for playing conventional vinyl records as well. DigiTrack also features excellent groove-handling capabilities for scratch and mix performance, as well as increased output voltage for improved TCV performance and better sound quality from your mixer's phono preamps. High output and the best mix and scratch ability!

DigiTrack is available in following configurations

- Concorde Twin (two Concorde cartridges) in Alu Flight case
- Concorde Single (one Concorde cartridge)
- Replacement stylus

-  Spherical Stylus Scratch
-  Tracking Force 3.0 g (30 mN)
-  Output 8 mV
-  Frequency Response 20-18,000 Hz +3/-2 dB

DJ S

Basic model for scratch and back-cueing.
Outstanding rigidity by extra-strengthened cantilever.



DJ S is a solid-built cartridge in a new blue nylon material. It has a fine spherical stylus and a special developed and extremely balanced cantilever. Not only does the cartridge have a most sufficient tracking ability, it is also nearly unbreakable and provides the DJs with the most needed stringency. Furthermore, it equals very low record wear, an advantage for busy DJ.

The DJ series has been known to many as the "jack of all trades," with improved tracking, alongside of accurate sound reproduction. Featuring a low wear stylus design, the DJ provides excellent groove handling, even with less weight applied.

The DJ series of cartridges are great for any style of music, and has been a favored choice of DJs around the world.

DJ S is available in following configurations

- Concorde Twin (two Concorde cartridges) in Alu Flight case
- Concorde Single (one Concorde cartridge)
- Replacement stylus DJ E
- Replacement stylus DJ S



Spherical Stylus
Scratch



Tracking Force
3.0 g (30 mN)



Output
6 mV



Frequency Response
20-18,000 Hz +3/-2 dB

The ultimate club
cartridge.
Superb sound
quality!



NIGHTCLUB MKII

Following in the footsteps of the legendary Nightclub series, the re-engineered Nightclub MkII boasts numerous sonic improvements in both club and studio settings. With a new cartridge body, the Nightclub MkII offers increased output voltage for powerful, energetic sound and enhanced performance from integrated phono preamps such as the ones found in DJ mixers. Club DJ and studio workers believe the

Nightclub MkII to be an absolute high-end cartridge. It is indeed a no-nonsense performer with fascinating musical resources. Its output is superb with a frequency response rating high enough to compare Nightclub MkII to any audiophile cartridge. The special elliptical stylus guarantees sound with insignificant scratching. Recommended for frequent use in discotheques and clubs!

Nightclub MkII is available in following configurations

- Concorde Twin (two Concorde cartridges) in Alu Flight case
- Concorde Single (Concorde cartridge)
- Replacement stylus



Special Elliptical Stylus
Club



Tracking Force
3.0 g (30 mN)



Output
8 mV



Frequency Response
20-20,000 Hz ± 1.5 dB

ORTOFON SERATO HEADSHELL

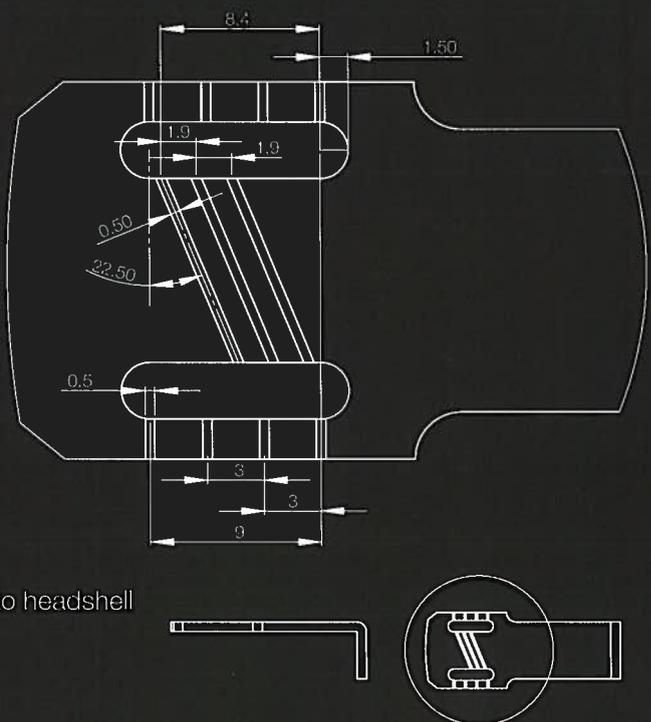
Ortofon-Serato headshell fits any standard DJ turntable connection.



The Ortofon-Serato SH-4 custom designed headshell combines both style and functionality for D.J.s of all types. A great balance between value and functionality. An ergonomic design with a long finger that is easy to pick up. Additional graphics that allow for easy mounting.

Key features

- High quality tonearm terminal connections
- Mounting guides for straight and S-shaped tonearms
- Available in two following configurations: Ortofon-Serato headshell single and/or assembly with OM S-120



SH-4 HEADSHELLS

The SH-4 headshell is a high-quality, solid headshell option for DJs.

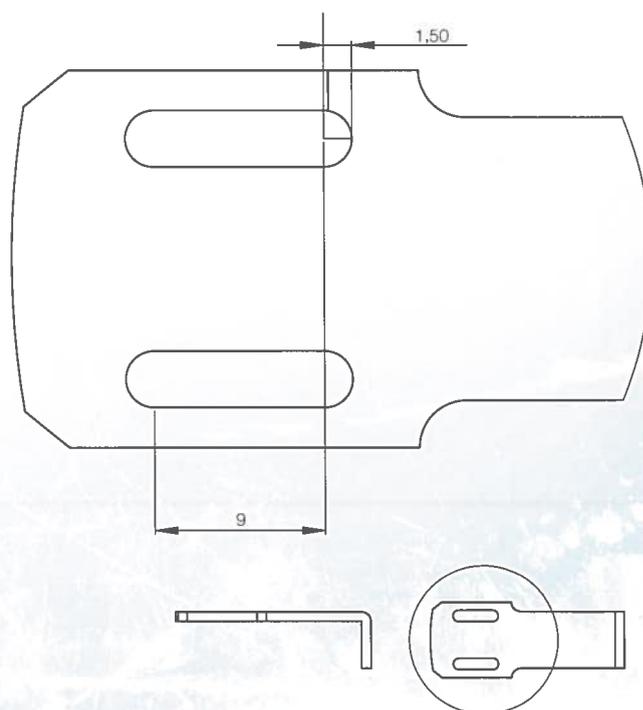


The big finger grip and shorter construction makes movement and placement of the headshell easy and visible. The wire terminals on the rear side are also gold plated for better signal transmission.

The SH-4 is available in the Black, Silver, Blue and Pink finishes.

Key features

- Weight: 9.4 g
- Shell length: 51.5 mm
- Finger Length: 27 mm



Loud and safe for
studio and mixing.



The O-One was engineered to provide a precise representation of sound without coloration or inaccuracies. The design offers audio professionals, musicians and discerning listeners a transparent window into sonic purity.

The O-One headphones produce balanced, reference-grade signal output.

The O-One is not only built to withstand repeated use and travel, but it is also designed with optimal impedance and sensitivity to allow for use with a wide array of equipment. Since O-Ones can be used effectively with virtually any source equipment, even auditioning for reference on personal music players and other consumer equipment is easy and requires no additional amplification.

Included with the O-Ones are two sets of ear cups (one of each pair, leather and velour) for long term wearing.

-  Frequency range
10-22.000 Hz
-  Weight
295 g
-  Sound pressure
112 dB
-  Impedance
40 Ohm

eQ-5 stereo
inner phones.

eQ-5



The new Ortofon e-Q5 Balanced Armature Driver earphones are designed to offer audio professionals, musicians and discerning listeners a transparent window into sonic purity, which reveals not only the details and elements which comprise the signal, but also any inadequacies or inconsistencies.

eQ-5 features

- eQ-5 earphone tip fits comfortably into the ear canal and makes you enjoy the ultrahigh fidelity sound of music.
- The earphone tip is made of semi-transparent silicone rubber. The right channel earphone has a red bushing on the rear to prevent ear-mismatch.
- The acoustic chamber is machined out of a solid aluminum block and attractively color anodized.
- Available in Black, Red and Silver.
- The e-Q5's newly designed cable does not develop bending fatigue and prevent kinking or breaking even it is twisted around 360 degrees at any point. This no kink/no break cable developed by Ortofon engineering know-how guarantees noise free high transparency sound throughout the entire frequency range
- e-Q5 is easy to store. The cable pulls out of the acoustic chamber, can rotate 360 degrees for easy hanging on any convenient place without worrying about its being kinked or broken.

DJ ACCESSORIES

Slipmat
Stripes (pair)

VINYL
PRESERVATION
ACADEMY

Slipmat
S-120(pair)

ortofon serato
S-120



Slipmat
Vinyl gramophone (pair)

VINYL
PRESERVATION
ACADEMY

ortofon.com

Slipmat
Neon (pair)



Stylus
brush



DJ maintenance
kit



Protection caps for
Concorde/OM, pair



CC rubber
fingergrasp, pair



Silicone eQ-5 eartips
replacement set

IS AND SPARES



T-Shirt
S-120



T-Shirt
DJ S



T-Shirt
DJ Black



T-Shirt
Pro S



Aluminium
flight case



Buble
level



Lead wires/
Headshell cables, set



Extra weight
for OM



Screws for OM
mounting, set

TECHNICAL SPEC



Get more information about Ortofon DJ Cartridges.



Pro S

Output voltage*	5 mV
Frequency response	20-18,000 Hz +3/-2 dB
Tracking ability at 315 Hz**	70 μ m
Stylus type	Spherical
Tracking force recommended	4.0 g (40 mN)
Cartridge weight	18.5 g



Pro

Output voltage*	5 mV
Frequency response	20-18,000 Hz +3/-2 dB
Tracking ability at 315 Hz**	70 μ m
Stylus type	Spherical
Tracking force recommended	4.0 g (40 mN)
Cartridge weight	18.5 g



Scratch

Output voltage*	7 mV
Frequency response	20-15,000 Hz +3/-2 dB
Tracking ability at 315 Hz**	80 μ m
Stylus type	Spherical
Tracking force recommended	4.0 g (40 mN)
Cartridge weight	18.5 g



Elektro

Output voltage*	7,5 mV
Frequency response	20-15,000 Hz +3/-2 dB
Tracking ability at 315 Hz**	80 μ m
Stylus type	Spherical
Tracking force recommended	4.0 g (40 mN)
Cartridge weight	18.5 g



Gold

Output voltage*	6 mV
Frequency response	20-20,000 Hz \pm 2 dB
Tracking ability at 315 Hz**	80 μ m
Stylus type	Special Elliptical
Tracking force recommended	3.0 g (30 mN)
Cartridge weight	18.5 g



NightClub MKII

Output voltage*	8 mV
Frequency response	20-20,000 Hz \pm 1,5 dB
Tracking ability at 315 Hz**	80 μ m
Stylus type	Special Elliptical
Tracking force recommended	3.0 g (30 mN)
Cartridge weight	18.5 g

ORTOFON GUARANTEE AND AFTERSALES

All new purchased Ortofon products are backed by a guarantee against defects in workmanship and materials when purchased from an authorized Ortofon Partner. The warranty period is in compliance with local rules of the Ortofon Partner country of residence, but no longer than 2 years.

All defect claims must be returned directly to the Ortofon Partner in the country or geographical area in which it was originally purchased. The product in question must be accompanied by valid proof of purchase.

IFICATIONS



Q.Bert

11 mV
20-18,000 Hz -3 dB
90 μ m
Spherical
3.0 g (30 mN)
18.5 g

Serato S-120

10 mV
20-18,000 Hz +3/-2 dB
120 μ m
Spherical
4.0 g (40 mN)
18.5 g



DJ S

6 mV
20-18,000 Hz +3/-2 dB
80 μ m
Spherical
3.0 g (30 mN)
18.5 g

Digitrack

8 mV
20-18,000 Hz +3/-2 dB
90 μ m
Spherical
3.0 g (30 mN)
18.5 g

* at 1,000 Hz, 5 cm/sec.
** at recommended tracking force

All DJ cartridges shall be returned in original packaging to comply with Ortofon traceability system. In case of defects, the Ortofon DJ Partner will make initial investigation of the product. If warranty is granted, a new product will be provided.



Elliptical Stylus

Ortofon uses a special elliptical stylus which has a better frequency response and dynamic range than the spherical stylus. Normal playback use of a cartridge with an elliptical stylus causes minimum record wear. Cartridges with elliptical stylus are for users who do lighter back-cueing and scratching and want the best sound performance.



Spherical Stylus

The spherical stylus is perfect for tough handling and mixing activities. Furthermore, it reduces the record wear by scratch and back-cueing to an absolute minimum. Cartridges with spherical stylus are mainly for scratch DJs.



Tracking Force

Each DJ cartridge has a special designed rubber suspension as to creating the best possible tracking ability. In order for the cartridge to track the record groove correctly and avoid skipping, it is important to balance the tracking force. Ortofon is recommending a tracking force range and a specific tracking force for each cartridge.



Frequency Response

A measurement of the frequencies which can be reproduced by a cartridge. Example: A measurement of 20 to 18,000 Hz \pm 3 dB means that the frequency area between 20 and 18,000 Hz can be reproduced with no more than 3 dB above or below a reference frequency level.



Output

Ortofon DJ cartridges have a high output voltage which ensures an extremely high signal-to-noise ratio and full exploitation of the dynamic range of any amplifier. Ortofon DJ cartridges have outputs between 5 and 11 mV.



ortofon.com

VINYL PRESERVATION ACADEMY