

Morch DP-8 Anisotropic 9" Precision chrome tonearm (red, blue or green) complete

MO 15 DP8 9P CHR

NZ\$6,500.00 ea (incl. GST)

Moerch DP8 Anisotropic Tonearm wins TAS-The Absolute Sound "2012 Golden Ear" award.

This is the one for the bass—and the rest, too. For ideal performance, a tonearm needs to have very low "effective mass" [moment of inertia, technically] vertically to minimize warp wow. But it needs to have much higher "effective mass" horizontally, where bass happens. (Bass on LPs is cut almost entirely horizontally). Anything else is just a compromise. No other 'arm gets this as spot-on correct as the Moerch. And it is completely adjustable, too, to customize things perfectly for your cartridge. The DP8 Anisotropic will play the real bass on your records correctly to give a sound from vinyl that you probably never thought was possible. And minimum-phase systems being what they are, this bass correctness improves the sound way on up beyond the deep bass into the lower mids! (If you don't know what that technical minimum-phase stuff is about, don't worry—just listen.) Turntables are being "bundled" nowadays with 'arms supplied at the preference of the dealer or distributor or turntable manufacturer. But pick your turntable and then try the Moerch DP8 on it before you get "bundled." I think your ears will thank you.

.....Robert E Greene

Moerch DP8 Anisotropic Tonearm wins TAS-The Absolute Sound "2010 Golden Ear" award.

Model DP-8 Anisotropic tonearm has a unique combination of bearings: For the horizontal mode of motion a silicone damped, high precision ball-bearing assembly with large housing for substantial damping.

Two precision sapphire bearings are incorporated for the vertical mode of motion. This also may be damped, if desired, by injecting silicone fluid into a well for vertical damping. Vertical damping is rarely needed for this model. It is independent of the damping of the horizontal mode of motion, and further it can be adjusted to all intermediate levels of damping.

Model DP-8 Anisotropic has a device for adjusting the VTA while playing integrated. Markings for "getting back" to a special setting is provided.

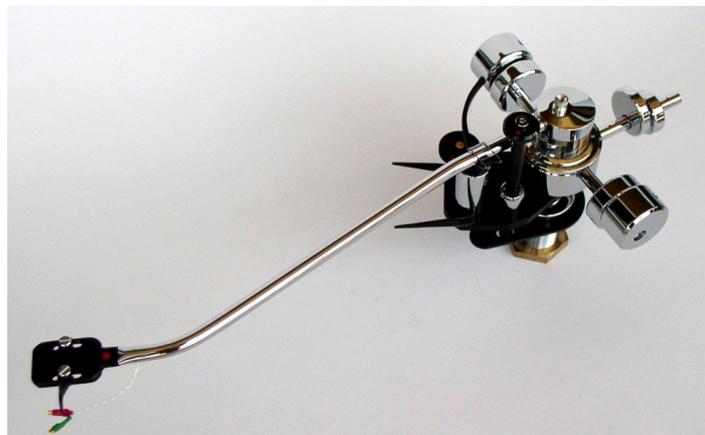
The large effective mass for the horizontal mode of motion is stabilizing the the armtube horizontally, so that at very low frequencies it is only the cantilever of the cartridge, that is moving – not the tonearm. This means that the bass goes all the way down reproducing all the bass on the record with full amplitude and dynamics.

In spite of the slender appearance, the MØRCH tonearms have an amazing mechanical strength and stability. They are the result of the best precision mechanics, the finest craftsmanship, and realize technical and tonal claims without compromise.

What has been achieved with the MØRCH tonearms enables the cartridge to accomplish its task with extraordinary motional ease while maintaining a very high degree of stability.

The proof of their superiority lies in the listening! The MØRCH arm have received high acclaim from both critics and skeptics, simply because their sonic superiority can be easily demonstrated.

The MØRCH tonearms consist of an arm base with its mounting facilities, bearing assembly, balancing rod and weights, and the arm tube for the cartridge. One appealing feature of the MØRCH design is the arm tube, which can be separated from the arm base by removing a nut. Four arm tubes, each one different mass (from ultra light to extra heavy), are available for specific



cartridge requirements.

Green dot: Effective mass 4g.

Red dot: Effective mass 6g.

Yellow dot: Effective mass 8g.

Blue dot: Effective mass 14g.

The fundamental tonearm resonance (present in all arms) is partly determined by the compliance and the weight of the cartridge that is to be used and partly by the weight of the arm, known as the "effective mass". However, the frequency of the fundamental resonance can be moved up or down by altering the mass of the tonearm. Thus, by choosing the correct arm tube out of 4 available, the fundamental resonance can be moved to a frequency where it does not interfere with the audio signal.

With the lightest of the arm tubes you achieve the lowest effective mass, and with this particular arm tube the MØRCH tonearm is the lightest available today. This arm tube is designed for cartridges using a low tracking force, since they have a high compliance. For cartridges requiring a high tracking force (usually low compliant) one of the heavy arm tubes should be chosen. Users that own more than one cartridge can mount each of them in its proper arm tube. Changing cartridges then becomes a simple swap between arm tubes. Thus the mass of the arm is always optimized for its cartridge.

To counteract resonances the arm tube and its mounting platform for the cartridge are made out of one piece of metal angled twice along its length, and internally damped with a foam-type material.

A cavity in the central body housing the bearings is off-centered in the forward direction, providing an asymmetric mass distribution for the prevention of symmetrical barrel resonances. Both the rod with its balancing weights and the arm tube are rigidly attached to the arm's central body. The body itself is solid and very heavy. Thus vibrations originating in the cartridge are efficiently damped before they reach the bearings, their stability being assured.

In addition three counterweights of different size, and one tracking force weight contribute to the ideal concentration of the arm's mass close to the fulcrum. The lateral balance is adjusted by way of the counterweights, which are eccentrically positioned on the counterweights rod.

The bearing assembly in the above mentioned cavity is in height located as an extension of the horizontal plane of the record surface. Therefore with warped records the motion of the stylus will remain vertical when bumps are negotiated and warp wow will not be heard.

The antiskating force is applied by a watch spring. Its tension is adjustable for maximum accuracy even while a record is playing. The tension is transferred via a nylon string which is attached to the outside wall of the arm's central body. As the arm tube moves over the record, the correct geometry between the spring/filament assembly and the central body's rotation provide for the exact variation of skating compensation over the entire playing surface of a record.

The tonearm is adjustable for the vertical tracking angle as well as the azimuth.

A Special version of the 9" arm tube called PRECISION is supplied with a wide cartridge mounting platform having the underside precision ground for perfect contact with especially wide cartridges.

Also 12" armtubes are available. They are available only with the narrow headshell such as the one on the standard 9" armtubes. PRECISION armtubes and 12" armtubes are available only with red and blue color codes.

Specifications

Effective length: 9" 230mm, 12" 307.4mm

Overhang: 9" 18mm, 12" 13.3mm

Offset: 24 degrees

Mounting distance: 9" 212mm, 12" 294.1mm

Mounting hole: 20mm

Effective mass: varies according to arm tube

Construction: Radial arm with interchangeable arm tubes.

Bearing principle: Dual bearing

Effective mass of complete tonearm with arm tube: All arm tubes can be used with all models.

Light (green): 4g
Medium (red):6g
Heavy (yellow):8g
Extra heavy (blue):14g
Fundamental resonance (depending on arm tube): 8-16Hz (for DP-8 N/A for the horizontal mode of motion)
Tracking force (when using calibrated scale): 0-3g
Bias compensation: Watch spring with string - adjustable while playing.
Azimuth is adjustable for correct channel separation.
Cueing mechanism: Piston in U-pipe, damped with silicone fluid.
Distance between pivot and center of turnable platter: 212 mm (8 5/16") or 294.1 mm (11 9/16")
Diameter of hole for mounting arm base: 20mm (13/16")
Rear overhang from pivot: 70mm (2 3/4")
Effective length: 230mm (9 1/16")
Offset angle: 24 degrees.
Lateral tracking error: 0 degrees at 66 mm and 120.9 mm from center of record.
Pivot point: Pivot point is in level with the record surface.
Bearing Friction: Bearing friction less than 0.04 mN in all directions.
Balancing: 4 different balancing weights.
Internal wiring: 19 strands of ultra pure silver insulated with Teflon.
Capacitance per channel: 28pF for all models.
Tonearm Cord: Balanced. Extremely purified copper strands that are heavily silver coated. Halogen free insulation.
Moersch tonearm connector with Cardas RCA connectors.
Capacitance per channel: 100pF.
Terminals: All terminals throughout the arm are gold plated.
Bearing concept: One internally damped, precision ball-bearing assembly for the horizontal plane of motion. Two pivoted sapphire bearings for the vertical mode of motion which can be damped also, if desired, and then adjusted to different levels of damping.
Finish: Chrome or 24carat GOLD.

Link

<http://www.audioreference.co.nz/product/morch-dp-8-anisotropic-9precision-chrome-tonearm-red-blue-or-green-complete>