



This cartridge should be mounted using the aluminum screws with the titanium washers. These screws together with the special damping between cartridge corpus and the mounting shell containing the connectors have been tuned sonically to create a unique musical instrument.

Mounting the Cartridge

Mount the cartridge into the head shell with the mounting screws sitting in about the middle of the slotted mounting holes in the head shell. Make sure that the sides of cartridge and head shell run parallel to each other. We recommend using an adjustment template, preferably our own Alignment Protractor. Move the tone arm with it's height adjustment screw until it is parallel to the turntable, and then align the stylus according to the markings on the template (Geopoint). The tracking force at the stylus tip should be between 1.8 and 2 g, not more or less if possible. The antiscating adjustment at your tone arm should not be set at this point.

To adjust the horizontal tracking angle (HTA) loosen one of the two mounting screws on top of the head shell enough to turn the cartridge in minute increments inward or outward. To check the result you must re-tighten the screw every time. Check by playing a very familiar tune about one to two centimetres in from the beginning of a LP- record. Most revealing would be a solo voice recorded in the center of the stereo image. If the voice is slightly to the left of center the cartridge should be turned ever so slightly inwards towards the center spindle. The increments may be so slight that the naked eye could not detect any change. If the sound gets too soft and the image too hazy the cartridge as a whole should be moved slightly forward. Consequently, if the sound gets brittle it should be moved slightly back. These adjustments should be checked again after the cartridge is broken in. Please note that the setting for antiscating will also slightly influence HTA. Hence, changing the antiscating force amounts to a small adjustment in HTA.

Now adjust the vertical tracking angle (VTA). If you determine that after the correct setting of the horizontal tracking angle highs are too dull and bass is too plump and uncontrolled the VTA must be increased. You do that by raising the tone arm in the mounting sleeve, again in very small increments. If the sound becomes glassy you've raised the arm too much. At the correct setting highs sound natural and transparent and bass runs sound bouncy and sonorous.

To underscore the point again: Any adjustments which change the basic geometric setting that was determined by using a template or a Dennesen Soundtracktor should be done with great care and in very small increments. Otherwise it is easy to loose track and get further and further away from the desired results.

Recommendation

If there occur problems obtaining a Dennesen Geometric Soundtracktor, please refer to our own new Alignment Protractor



Some technical details

weight :	approx. 14 grams
sensitivity :	0.15mV (1cm / sec)
frequency response :	20Hz ... 30kHz
frequency intermodulation :	< 0.5%
vertical tracking angle :	23°
crosstalk :	> 25dB (1kHz)
compliance :	15 μ m / mN
stylus :	diamond, micro ridge shape, tip : 3 μ m
tracking force :	18 ... 20mN
recommended load :	600 ohms

the values shown on the attached chart will be reached by 22° C and a tracking force of 20mN with the test record LB210, frequency response (left channel top) and crosstalk at 1kHz.

BRINKMANN
Real High Fidelity.

Brinkmann Audio GmbH
Im Himmelreich 13
D-88147 Achberg
Deutschland

Telefon: +49 (0)83 80 98 11 95
Fax: +49 (0)83 80 98 12 33
info@brinkmann-audio.com
www.brinkmann-audio.com