

## Turn over for Tracking Force Information

### Technical Specifications

Stylus	Nude Contact Line
Radius of curvature	0.120 mm SQ
Cantilever	6 X 17 $\mu$ m
Recommended Tracking Force	Aluminum with low mass
Effective Tip Mass	1.6 - 2.0 Grams (1.8 typical)
Compliance	0.35 mg
Frequency response	10 $\mu$ m/mN
Channel Separation	20-20,000 Hz +/- 2.5 dB
1000 Hz	> 30 dB
50-15,000 Hz	> 20 dB
Channel difference	< 1.0 dB Stereo
Output voltage	> 2.2 mV@5/cm/sec.
5 cm/sec. Lat. RMS	>2.12mV
Cartridge weight	10.27 grams
Load Resistance:	>= 47k Ohms Min.
Load Capacitance:	100-200 pF

## ZEPHYR MK III

### Soundsmith Phonograph Cartridge Composite Mounted Low Compliance

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#### The “Zephyr MK III” cartridge

The “**Zephyr MK III**” cartridge you have purchased is designed to extremely exacting standards using carefully selected and precision processed magnetic materials. The unique design results in a "no-compromise" moving iron cartridge design providing the listener with unparalleled performance through employing a tiny, ultra-low mass high-purity moving iron element.

The “**Zephyr MK III**” cartridge differs primarily from other cartridges in that the total moving mass has been reduced to an astonishingly small level. A key optimizing element in The “**Zephyr MK III**” cartridge is the use of a single-piece, ultra low-mass moving iron, stylus and cantilever assembly. In a similar sense to a “moving coil” cartridge, it does not have user replaceable styli, as the “**Zephyr MK III**” cartridge is designed for optimal performance.

The “**Zephyr MK III**” cartridge is a “moving iron” design, and is compatible **only** with standard “moving magnet” phono inputs. It does not require the use of a special “moving coil” input or moving coil preamp.

The “**Zephyr MK III**” cartridge employs a unique energy dissipation design used in our top of the line **SUSSURRO** cartridge.

Great care has been taken to manufacture this “**Zephyr MK III**” cartridge to exacting standards and performance. It should provide you with many years of fine listening from your treasured vinyl collection.

\* **Stylus** - this is the actual "needle" or shaped diamond tip that fits in the record groove and follows the movements of the groove walls. All Soundsmith styli tip shapes are either elliptical or contact line, and are either titanium bonded or solid "nude" diamond.

\*\* **Cantilever** - This is the rod or arm that holds the stylus its function is to accurately transmit the movement of the stylus into the cartridge body, which converts that movement into small electrical signals. It should be, by design, extremely lightweight and very rigid. All Soundsmith cantilevers are either aluminum alloy, sapphire, ruby, exotic metal or ceramic.

**These handmade cartridges  
have been individually  
tested for perfect range of  
tracking force.**

**After 30 - 100 hours of play,  
you may be able to slightly  
lower the tested range  
below.**

**Minimum VTF**  
\_\_\_\_\_ grams

**Maximum VTF**  
\_\_\_\_\_ grams