

# Turn over for Tracking Force Information

## Technical Specifications

Stylus	Nude Contact Line
Radius of curvature	0.120 mm SQ
Cantilever	6 X 17 µm
Recommended Tracking Force	Boron
Effective Tip Mass	1.6 - 2.0 Grams (1.8 typical)
Compliance	0.35 mg
Frequency response	10 µm/mN
Channel Separation	20-20,000 Hz    +/- 2.5 dB
1000 Hz	> 34 dB
50-15,000 Hz	> 22 dB
Channel difference	< 1.0 dB Stereo
Output voltage	
5 cm/sec. Lat. RMS	> 0.4 mV@5/cm/sec.
Cartridge weight	10.27 grams
Load Resistance:	>= 470 Ohms Min.

# ZEPHYR MIMC

## Soundsmith Phonograph Cartridge Low Output Low Compliance

**The Soundsmith Corp.**  
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**www.sound-smith.com**

### The “Zephyr MIMC” cartridge

The “Zephyr MIMC” cartridge you have purchased is designed and manufactured in the USA to extremely exacting standards. 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 MIMC” 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 MIMC” cartridge is the use of a single-piece, ultra low-mass moving iron, stylus and cantilever assembly. If required, it can always be rebuilt to new condition by The Soundsmith. Its design insures optimal performance for many years to come.

The “Zephyr MIMC” cartridge is a low output “moving iron” design, and is compatible **only** with standard “moving COIL” phono inputs. The minimum load must be 470 Ohms, or greater for proper high frequency performance.

The “Zephyr MIMC” 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 MIMC” 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**