



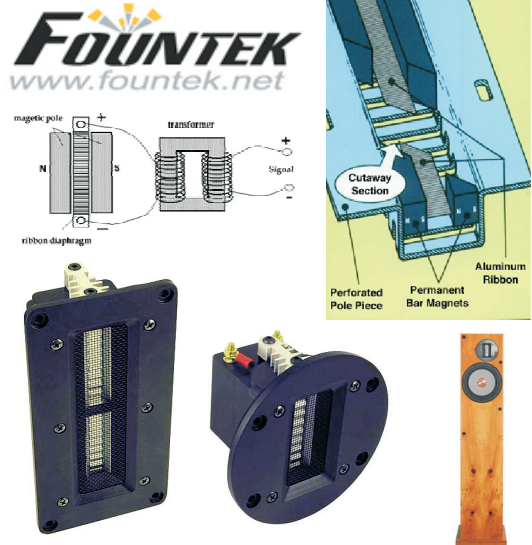
FOUNTEK RIBBON TRANSDUCERS

What is a ribbon transducer?

The ribbon transducer is actually quite old as a concept. It was developed by European Acoustic Laboratories in 1928. Fundamental physics support the ribbon as a perfect type of transducer. A thin light metal ribbon is suspended in a powerful magnetic field. The signal current passes through the current and magnetic field. The electromagnetic circuit has complete control over ribbon motion. The ribbon itself projects the sound faithfully and instantaneously. The ribbon serves both as voice coil and diaphragm. Every part of the ribbon is driven directly and simultaneously without any energy storage.

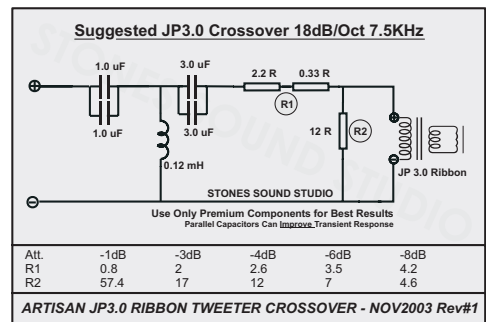
The ribbon transducer improves the performance of your loudspeaker

No sound coloring at all in its usable frequency range. Output voice always perfectly replicates the input signal. Maximum speed of response. Start and stop is instantaneous. Maintains the leading edge of musical sounds and their harmonics. Extremely low inter-modulation and harmonic distortion due to low mass. Capable of the highest efficiency known in direct radiator transducers. High rate of Young's modulus (low loss due to mechanical stress/strain). Extremely wide, flat frequency response (1KHz through to 100KHz.) Flat impedance in usable frequency range for easy to design X-over CCTs.



Summary

The ribbon loudspeakers are superior to other transducers because all design factors are satisfied correctly for optimised & effective work. Other high range extenders do not blend easily when added to loudspeaker systems because they add their own distortion by transient smearing, delayed energy and non-linear response. The quality of materials used in ribbon speakers has the ability to "clean up" and "open up" not only the extreme highs, but also the middle tones without adding any distortion. The addition of a pair of ribbon tweeters to any quality speaker system is the most cost effective way to improve the performance of an audiophile loudspeaker system to meet the demands of today's highly accurate media.



www.fountek.net

Specialist ribbon manufacturer with the best performance to cost factor. Generally considered as excellent in quality as any of the competition.

FOUNTEK NeoPro5i RIBBON TWEETERS - SOLD IN PAIRS

115x190mm OVER-SIZED HIGH-POWER PROFESSIONAL RIBBON TWEETER PAIR

This True Pure Ribbon is premium grade and has superior high-performance that will suit Low-Power Class-A Valve to High-Power professional systems. An incredibly efficient transducer that is capable of very high SPL yet faithfully maintain a sound quality that surpasses any other kind of high frequency transducer. The large diaphragm also enables a lower resonant frequency of only 400Hz enabling better crossover characteristics and an impressively broad frequency range that will match to many types of speaker arrays, easily and efficiently, with audiophile sound quality. Super strong Neodymium magnet for high efficiency. Built-in impedance conversion transformer. Effective from 850Hz upwards due to the large diaphragm area and low self-resonance. Super thin Enforced-Sandwich Ribbon diaphragm guarantees a high degree of signal fidelity and broad frequency response. Low distortion factor, 60W Nominal power-handling capabilities, linear impedance with linear amplitude and broad frequency response. Very high flux, NOT shielded, so NOT suitable for near TV applications.

Manufacturers Recommended Crossover Frequency is 1.5KHz 2nd-order or above

NeoPro5i Specifications

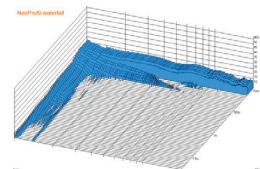
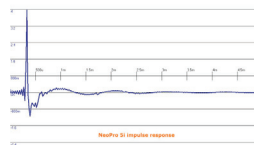
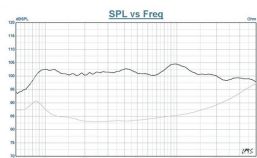
- Ribbon material Enforced sandwich
- Ribbon mass 88mg
- Ribbon dimension 15mmX145mmX0.02mm
- Ribbon area 2175square millimeters
- Gap flux 1 Tesla
- Gap height 5mm
- Impedance 7Ohm
- DC 0.02 ohm [BEWARE!]
- Sensitivity 102dB/2.83V@1M
- Frequency response 8,50~40,000Hz
- Resonance frequency 400Hz
- Power handling 60W Normal, 120W Max



SOLD IN PAIRS

120Wmax
60Wrms
102dB

190x115mm O/D
170x85mm I/D



SOLD IN PAIRS

Code NEOPRO5I
 Cost POA [per pair.]