



## The Sound Formula

One of the very important differences between fine and mediocre instruments is their efficiency. A very good instrument will respond with little bow pressure, low bowing speed and will easily produce a full sound. The player does not need to force the instrument, and the sound is clear and beautiful in all ranges. The tone colour is of great importance too. As nasal sounds can hardly delight an audience, the majority of people prefer a sound like the formant "A".

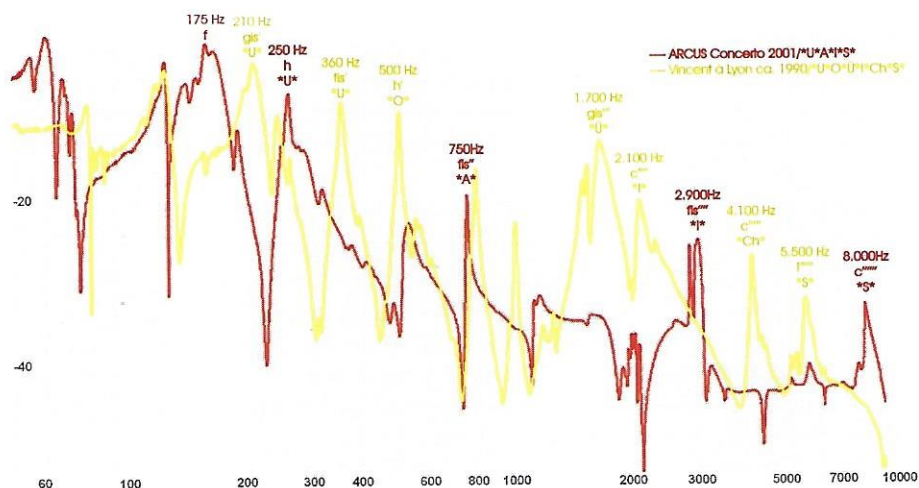
We develop our bows by following these criteria, and carbon fibre gives us uniquely wide possibilities for our design. In contrast to makers of wooden bows, we don't have to worry too much about the resiliency (stiffness, elasticity) of the stick, as that is evenly distributed on an inimitably high level. Consequently we classify

the raw sticks for the strength and harmony of their resonance.

The shape of the stick, round or octagonal, has very little influence on the quality of sound of our violin and viola bows but makes quite a difference in the feel of the bow. The octagonal sticks tend to be livelier and very agile, while the round sticks are especially stable on the strings, even under heavy pressure.

By the way, all of our cello bows feature octagonal sticks, and the bass bows round ones.

It is of utmost importance to match an instrument and the bow. The fit of both resonance profiles is the key to both the beauty of sound and the response. The chance of finding the bow of your dreams is growing with the width of choice of Arcus bows.



Resonance profile of an Arcus Concerto Violin bow and a wooden bow

## Classification

Every **Sonata** bow has the distinctive resiliency and strength of all Arcus bows, advancing them far above the field of traditional bows. They can also stand any comparison of sound within their class.

The **Sinfonias** are silver mounted and their sound is on the level of the best

modern master bows. They are perfectly suited for chamber music as well as large orchestras.

The **Concerto** is the preferred bow of many professional musicians. Their sound matches those of the best old French master bows, but require a significantly reduced investment. As

Arcus bows are almost indestructible and their quality and character is stable over generations, one could call this investment a very solid one too.

For the **Cadenza** we offer alternative silver or gold mountings. In their power and beauty of sound these bows are unsurpassed and again a significant improvement over the Concerto. It is not without good reason that more and more soloists, concertmasters and professors use them as their primary bow.

Model	Mountings	Frog	Inlays	Resonance	Resiliency
Cadenza	Gold	Snake wood	Abalone	Exceptional	Unique
Cadenza	Silver	Snake wood	Abalone	Exceptional	Unique
Concerto	Silver	Snake wood	Abalone	Excellent	Unique
Sinfonia	Silver	Ebony	Abalone	Very good	Unique
Sonata	Nickel silver	Ebony	Mother of pearl	Good	Unique