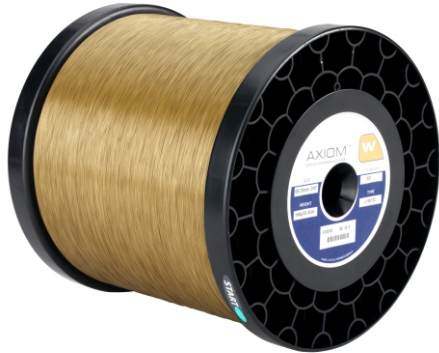


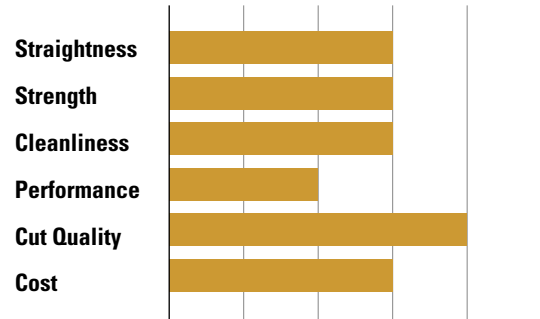
AXIOM™

AXIOM BRASS



Axiom Brass is made under private label by one of the world's leading EDM wire manufacturers. It combines European quality control and production processes with the lower production costs stemming from a dedicated manufacturing location in Vietnam.

Axiom Brass is a good fit for all types of EDM machines and is well suited for standard applications requiring excellent accuracy and good surface finish. It is made with CuZn37 (63% copper, 37% zinc). The more commonly used hard version has a tensile strength of 900 N/mm² and an elongation of 1.5%. The soft version has a tensile strength of 500 N/mm² with an elongation of 20% which makes it well suited for taper cutting up to a 12 degree angle.



Straightness

A key factor in the reliability of automatic threading. Critical for older machines, not as critical for newer machines with wire annealing capabilities. Straightness is tested at both one meter and 300mm utilizing a custom designed fixture.

Strength

Primarily a measure of the wire tensile strength. However, in the case of Compeed wire, the ability to resist breakage under extreme conditions.

Cleanliness

A combined rating with respect to powder and residual lubricant or paraffin on the surface of the wire. This property is tested in a custom designed cleanliness testing machine as well as passing the wire through an actual pre-guide, power feed and guide assembly which mimics actual machine conditions.

Performance

The cutting speed potential relative to brass wire. Machine settings optimization may be required to attain the performance potential.

Cut Quality

The measured surface finish Ra and Rz resulting from an actual rough and multiple skim test cut.

Cost

Relative to standard brass wire

Primary Usages



Aerospace



Precision Machining



Tool & Die



Molds



General Machining



Medical



Production EDM