

AXIOM™ X-B

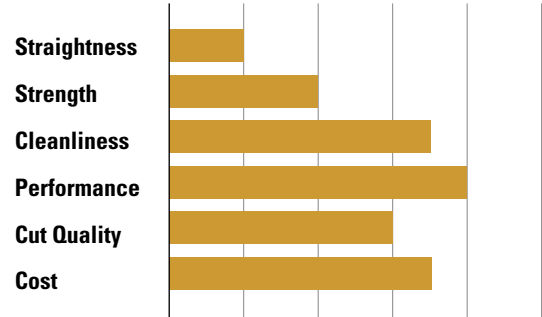
AXIOM X-B



Axiom X-B coated wire is made a under private label for Single Source Technologies in Germany by one of the global leaders that manufacture coated EDM wires.

It is a fast and precise wire recommended for Charmilles machines with older generators using X technology. It is particularly suited for precision as well as high-speed cutting. Axiom X EDM wire features a pure copper core with a CuZn50 (50% copper, 50% zinc) brass coating. Its tensile strength is 520 N/mm2.

Primarily developed and used for Charmilles machines.



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