



HITACHI BRASS

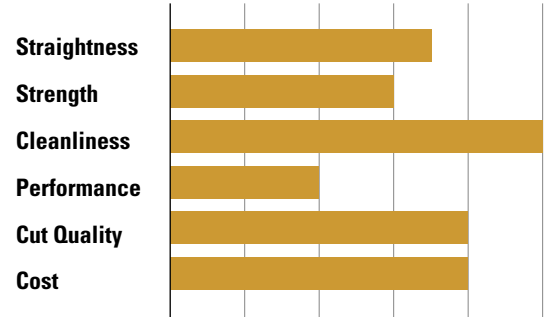


Hitachi High Performance Brass EDM wire is made by Hitachi Metals in Japan. Hitachi is one of the best-known names in the EDM industry as a manufacturer of premium brass EDM wires. Hitachi's reputation is based on a level of consistency and quality in its product line and is unmatched by other brands in the industry. Both Fanuc and Makino recommend Hitachi as their brass wire of choice. Hitachi is also well suited to run on Agies and other name brand machines.

Only pristine, virgin raw materials are used in the manufacturing of Hitachi brass wire. It has virtually no paraffin which helps it to run very clean and without causing any brass build-up in the wire guide system. The use of natural diamond dies in the final drawing steps of the manufacturing process leads to a superior, extremely consistent and smooth wire surface.

Hitachi EDM wire is made with a CuZn40 (60% copper, 40% zinc) brass alloy which, due to its higher zinc content, allows for faster cutting speed than brass wires made with a CuZn37 or CuZn35 alloy.

Hitach Metals has a fully vertically integrated manufacturing line where casting, drawing, spooling and packaging of the product are all done internally; guaranteeing the highest quality control and consistency.



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