Pen Point Alloy E3

Properties of all the Pen Points

Pen Points have to meet very high requirements. They must be hard, i. e. wear-resistant and tough, and capable of being perfectly welded to both gold and steel nibs, and must have excellent polishing properties as well as being free from porosity and resistant to inks.

Pen Point Alloy E3

A low priced ruthenium alloy of fair hardness, for tipping steel and gold nibs. Its resistance to wear will give about three years of service. It is resistant to ink and can be easily worked and polished. Like all our alloys it can be used for spot, arc and gas welding.

Technical Information about the Pen Point Alloy E3

usage:	tipping of fountain pen nibs
alloy:	complex tungsten / ruthenium basis alloy
availability:	diameter: 0.60 up to 1.60 mm, tolerance: ± 0.05 mm
specific weight:	approx. 15,9 g / cm^3
production:	molten alloy
supplied in:	near spherical form
weldability:	good with steel, fair with gold
hardness:	approx. HV 1000 - 1100
ink-resistance:	resistant against all commonly used inks
longevity:	factor 30
does not contain any:	arsenic, cadmium, hexavalent chromium, mercury, antimony, lead, barium or any soluble compound of these materials

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