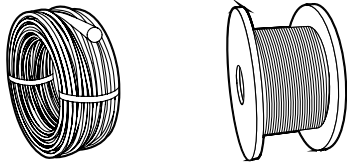


# Finemac™ Free-Cutting Steel Datasheet Stainless Wire



Zapp is certified to ISO 9001



## High Performance Wire Materials

Finemac™ is an environmentally friendly, lead-free, free-cutting wire grade, which combines excellent machining properties with high hardness and good dimensional stability. This free-cutting high-carbon steel wire has been specially developed for fine-mechanical machining applications.

Importantly, the material offers a much wider hardening window than other grades and is, therefore, not sensitive to slower cooling rates. As a result, users can obtain more efficient furnace utilization through processing bigger batches of components and benefit from lower energy costs per kilo produced.

## A Preferred Material

Finemac™ has all the characteristics of a hardenable, free-cutting high-carbon steel such as 20AP, but with the important and additional benefit of being lead-free. It is ideally suited for producing long narrow components with tight tolerances. Finemac™ also has excellent cold-heading properties.

Positive customer feedback confirms that in terms of machinability, tool durability and heat treatment, Finemac™ free-cutting wire is now preferred to other carbon steel free-cutting wire.

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## Main Characteristics of Finemac™

- \_ Lead-free composition
- \_ Excellent machinability
- \_ High wear resistance
- \_ Tight and consistent tolerances
- \_ Wide temperature and time range during hardening

## Typical Applications for Finemac™ Free-Cutting Wire

- \_ ABS brake components
- \_ Precision instruments
- \_ Shafts
- \_ Test probes
- \_ Watch parts

The illustrations, drawings, dimensional and weight data and other information included in this data sheet are intended only for the purposes of describing our products and represent non-binding average values. They do not constitute quality data, nor can they be used as the basis for any guarantee of quality or durability. The applications presented serve only as illustrations and can be construed neither as quality data nor as a guarantee in relation to the suitability of the material. This cannot substitute for comprehensive consultation on the selection of our products and on their use in a specific application. The brochure is not subject to change control.

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