WATCH INDUSTRY

New since 1701
Zapp Precision Metals GmbH

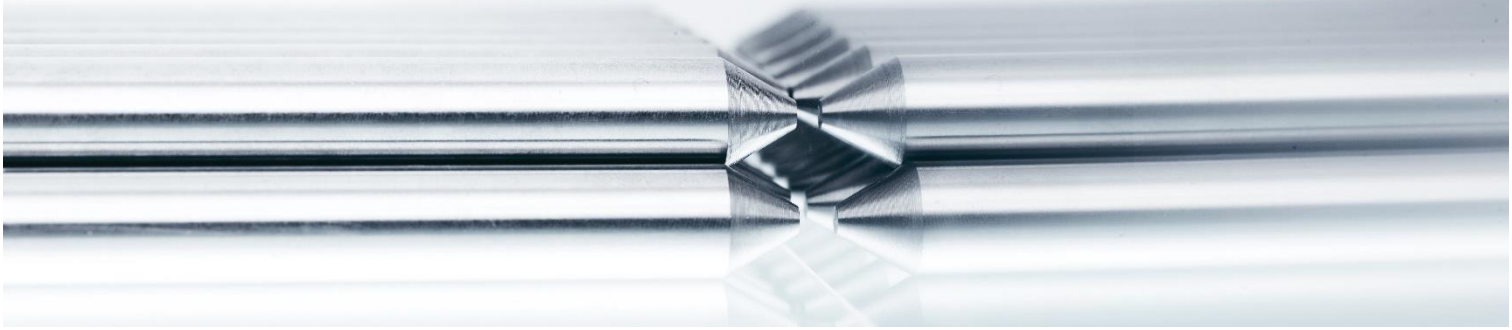
zapp

Lead-free Material

with Zapp Finemac™

FINEMAC™ LEAD FREE MATERIAL

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 high precision machined parts in fine-mechanical applications.

Time is Running Out for Leaded Steel

Switching from leaded steel to lead-free steel is a substitution in accordance with the ambitions of **REACH**, the EU regulation on chemicals and their safe use, which came into effect in 2007 and becomes **mandatory in 2024**.

Importantly, the material offers much **shorter hardening times** than other lead alloyed grades. 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 Finemac™ free-cutting wire is in terms of

- **machinability**
- **tool durability and**
- **heat treatment**

now preferred to other carbon steel free-cutting wire.

In summary:
Lead-free material with the Zapp FinemacTM

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