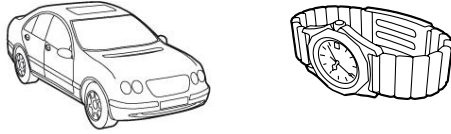


Ergste® 1.0759EA Datasheet

Precision Wire



Zapp is Certified to ISO IATF 16949



Ergste® 1.0759EA

Ergste® 1.0759EA is a hardenable unalloyed free cutting steel with lead and sulfur additive.

Typical Applications

- Turned parts for general applications
- High precision, small parts in the watch industry (axles, wheels in the movement)

Wear Resistance

Ergste® 1.0759EA has good wear resistance in the hardened condition.

Machinability

Ergste® 1.0759EA is characterized by an outstanding machinability by the addition of lead and sulfur. By the lead and sulfur, very high cutting speeds are possible.

Heat Treatment

Hardening

Ø < 5 mm
Temperature: 810 - 830 °C
Cooling: Oil

Hardening

Ø > 5 mm
Temperature: 790 - 810 °C
Cooling: Water

Corresponding Standards

1.0759 (70SPb20),
A60Pb

Typical Analysis*

C	Si	Mn	P	S	Pb
0.65-0.72	≤ 0.20	0.70-1.00	≤ 0.035	0.15-0.25	0.15-0.25

* Weight percentage/approximate value

Mechanical Properties*

Tensile strength Rm	650- 800 [MPa]
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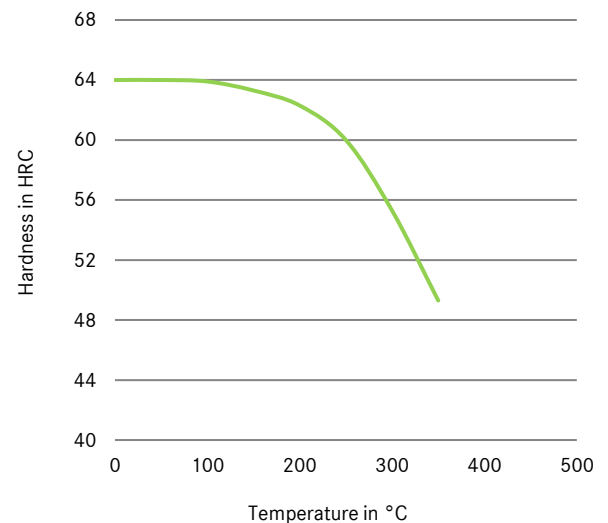
* Other conditions on request

Product Conditions*

Round bars	Cold drawn, ground, polished
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* Other conditions on request

Tempering Chart



Zapp Precision Metals GmbH

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