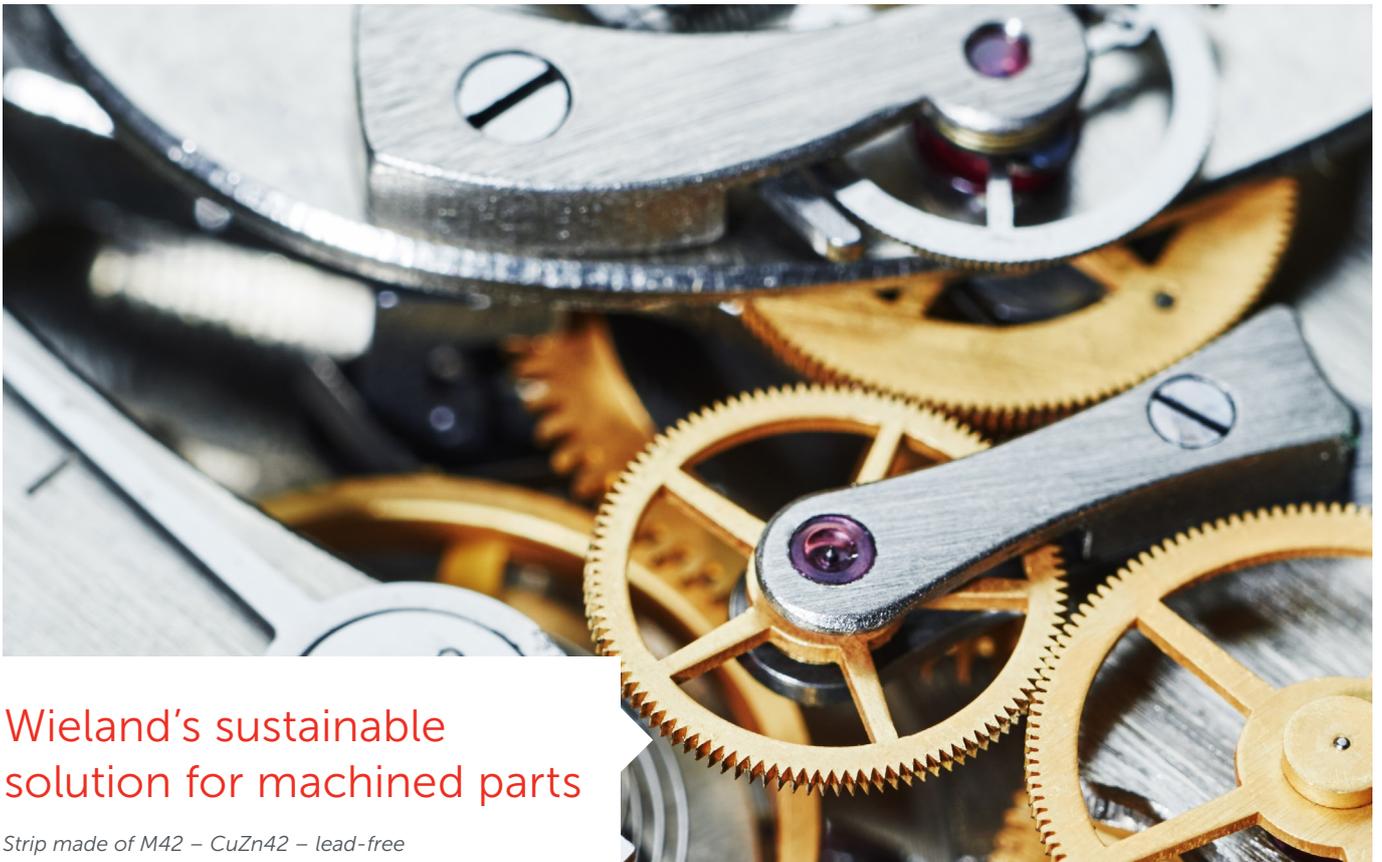


Lead-free brass strip, sheets and plates for a sustainable future

Wieland-M42 lead-free machining brass for the watch, key, sanitary and engraving industry



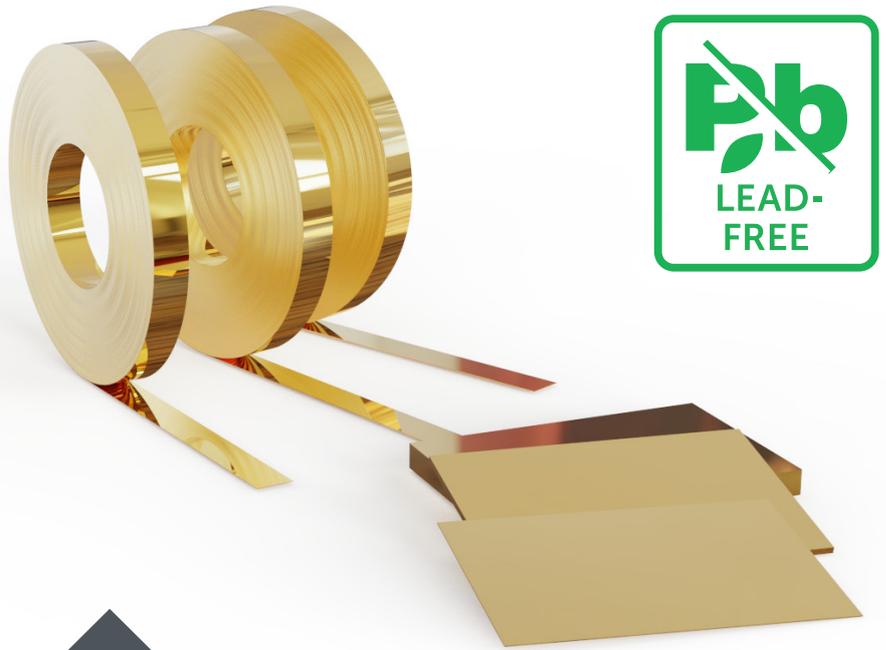
Wieland's sustainable solution for machined parts

Strip made of M42 – CuZn42 – lead-free

Lead-free materials will play an increasingly important role in the future. They enable our customers to produce their products more sustainably and to prepare for future requirements, such as the impending ban on lead. Wieland-M42 – a strip and sheet material – was developed as a lead-free alternative to the conventional machining brasses, which all contain lead. The alloy Wieland-M42 has the chemical composition CuZn42. Due to the two-phase microstructure, the machinability is significantly improved compared to the standard lead-free brasses. M42 is suitable for many applications and is harmless in contact with skin and drinking water.

Lead-free

Wieland-M42 strip, sheets and plates have a two-phase microstructure which enables an excellent machinability even without the addition of lead. The permissible limits of RoHS and REACH are certainly fulfilled.



Machinable



Wieland-M42 Your benefits

- Easily machinable – completely without lead
- Compliant with RoHS + REACH – without any exemptions
- Unproblematic in contact with skin and drinking water
- Available as strip, sheet and plate

Sustainable

This makes M42 a sustainable alternative to leaded brasses. Due to its good cold formability, the material is suitable for many applications. In addition, M42 is an accepted material in the European Positive List of compositions for metallic materials in contact with drinking water and can therefore be used in components which are exposed to drinking water.



Available

M42 is produced as strip in thicknesses from 0.2 to 3.2 mm, as sheet in thicknesses from 1 to 5 mm and in plate format up to approx. 80 mm thickness. Usually, machined brass is delivered in hard tempers. Please contact us with your individual requirements for other tempers.

Do you want to know more about Wieland-M42?

Further information, e.g. a technical data sheet, is available on our website
www.wieland.com

Do you like to test Wieland-M42 in your production?

We are ready to provide samples in your desired dimensions. Please kindly contact the Technical Marketing for Rolled Products:

info@wieland.com
+49 731 944 2277

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