EHG STEEL.METAL

1963 2023

We deliver solutions.
www.ehg-steel.com

Lead-free aluminium 2033LF*

Manufacturing in accordance with EU regulations now and in the future.

To comply with EU Directive 2011/65/EU (RoHS II), the maximum lead content in small electrical appliances manufactured from 2021 must be 0.1%. Lead is added to many of the aluminium mechanical components used here to improve the machining properties. With type 2033LF from premium aluminium producer EURAL, EHG is already providing a sustainable, lead-free alternative to common types of aluminium. Despite the lack of lead, the material is extremely short-chipping. This results in excellent productivity without reducing quality. Compared to many other alloys, the material does not have to cure after hot forming.

Your benefits

- An extremely short-chipping alloy: excellent productivity, longer tool life
- Good mechanical properties (RM 370 MPa)
- Machined with existing machinery
- No curing after hot forming
- Good for anodising
- Good for forging

EHG product range

Variant	Profile	Temper
Drawn	Round, ø 6–50 mm	T3
Extruded	Round, ø 55–200 mm	T6

Chemical composition

Element	Percentage
Bismuth (Bi)	0.05–0.80%
Lead (Pb)	–
Chromium (Cr)	0.15%
Iron (Fe)	0.70%
Copper (Cu)	2.20–2.70%
Magnesium (Mg)	0.20–0.60%
Manganese (Mn)	0.40–1.00%
Nickel (Ni)	0.15%
Silicon (Si)	0.10–1.20%
Titanium (Ti)	0.10%
Zinc (Zn)	0.50%
Tin (Sn)	0.05%
Other	0.15%
Aluminium (Al)	balance

* LF = lead free

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