



ACO Eurobar®
continuous casting and
bronze for glass mould
manufacturing



Glass mould manufacturing is an important area of application for continuous casting. The continuous casting specialist ACO Eurobar® GmbH is a subsidiary of ACO Guss GmbH and also produces specially alloyed cast iron and bronze for the glass industry.

ACO Eurobar® quality continuous casting and bronze with various material qualities, which are specifically attuned to special thermal glass industry requirements, are produced and stored at our foundry located at our site in Kaiserslautern, Germany.

The products offered for glass mould construction include crude and semi-finished (machined) continuous castings, machine-mould castings and bronze profiles. This extension of its range of services now enables ACO Eurobar® to offer its customers everything from one single source.

ACO Eurobar® quality continuous casting for glass mould manufacturing

In cooperation with its customers, ACO Eurobar GmbH has developed a quality in continuous casting which even meets the most stringent requirements of the glass industry. A factory standard specially developed for continuous casting takes account of the high quality requirements and even exceeds in-part the demands of the new standard for continuous casting (DIN EN 16482).

Glass mould manufacturing

For glass mould manufacturers of

- neck rings
- injection tubes and
- glass mould

ACO Eurobar produces concast iron and pre-machined parts in all common continuous casting qualities for the glass industry.

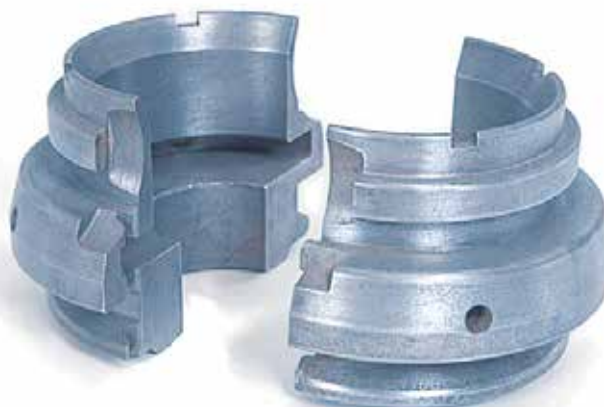
These products replace sand casting and the materials processed offer the following advantages:

- Better machinability
- Better surface properties – fewer heat cracks
- Good thermal conductivity properties
- Good vibration absorption characteristics
- Less deburring work

The good processing of the material and high-quality surface finish enable you to save costs.

The following items demonstrate the savings potential:

- No model costs
- Fewer scrap products
- Longer tool life in machining due to their self-lubricating characteristics and absence of sand inclusions
- Reduced machining allowances



ACO Eurobar® concast iron profiles and special profiles for glass mould manufacturing

In addition to a large range of round bars and square profiles ACO Eurobar also produces special profiles for the glass industry: e.g. half-round profiles, which help to reduce costs significantly as less machining of the product is required.

Moreover, ACO Eurobar® continuous casting offers the following advantages:

- 10% less weight than steel
- Excellent heat conductivity
- Better machinability



ACO Eurobar® bronze for glass mould manufacturing

ACO Eurobar has developed a special bronze for glass mould manufacturing. This bronze is characterised by the proven ACO Eurobar® material standard and is already in use at various customers.

The special feature of the bronze is in its composition:

Aluminium bronze with

- 14-16% nickel
- 8-10% aluminium
- 7-9% zinc
- >60% copper

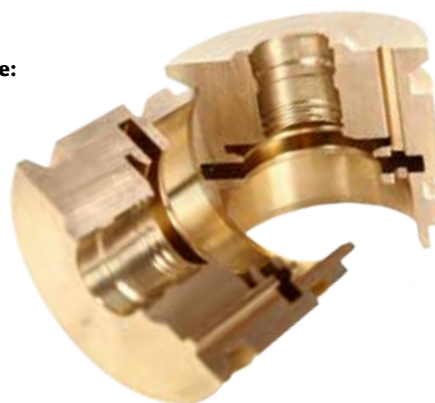
On request we supply the aluminum bronze with 1% silicon or without silicon.

To date, mostly neck rings and glass mould bottoms are currently manufactured from this special bronze, whilst the body normally consists of mould castings.

As we produce bronze mould parts with two specific alloy variants, e.g. with nickel and continuous casting, ACO Eurobar offers everything for the glass industry from one unique source. Short lead times, no minimum order quantities and the good quality at attractive prices round off our range.

The advantages of ACO Eurobar Bronze at a glance:

- Suitable for large production unit quantities with a long tool life
- Faster production cycles
- Perfect surfaces



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