



# Application Data

## Properzi wheel

*In continuous casting of wire bar*

### Description

A Properzi wheel is used in the Properzi method of continuous casting of aluminum and copper wire bar. The molten metal is poured into the groove of the wheel and contained by a steel belt which rides on the outside of the wheel as the wheel is turning. By the time the wheel has made a half revolution the molten metal has solidified sufficiently to be handled as solid bar and passed directly to a rolling mill for further processing.

### Material

AMPCOLOY® 972 Forged and rough machined

### Advantages

Forged Ampcoloy 972 has the high thermal conductivity required to absorb heat quickly, permitting rapid chilling of the molten metal. It has greater strength retention at operating temperatures and higher oxidation resistance at temperatures of 204°-371° C.

The Properzi method of continuous casting allows the manufacture of continuous coils of wire (10,000#) without requiring butt welding of short lengths.

