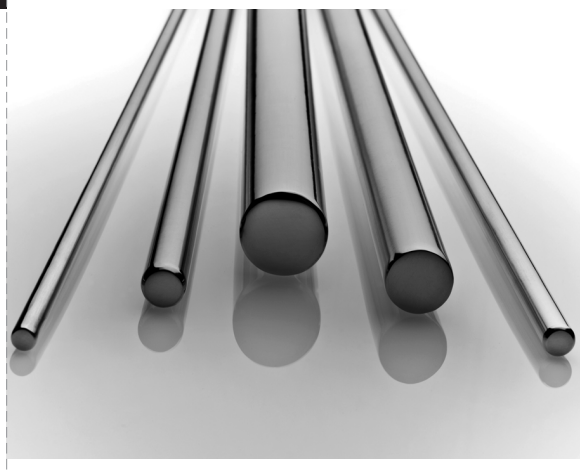
ACUBE™ 100 Alloy

CARPENTER



Carpenter ACUBE™ 100 alloy is a non-magnetic, cobalt-based alloy exhibiting high strength, excellent corrosion resistance and superior resistance to galling and wear that can be considered for bushings, bearings and other rotating parts that are exposed to corrosive environments and/or subject to high stress and heavy loads.

Carpenter ACUBE 100 alloy can be considered a drop-in replacement for copper-beryllium alloys in the oil field, aerospace, transportation, defense, maritime and industrial industries.

Exposure to beryllium dust, which is a natural consequence of wear for bushings and bearings, has been tied to a variety of health hazards. This alloy is beryllium free, eliminating the health and safety issues associated with beryllium-containing alloys.

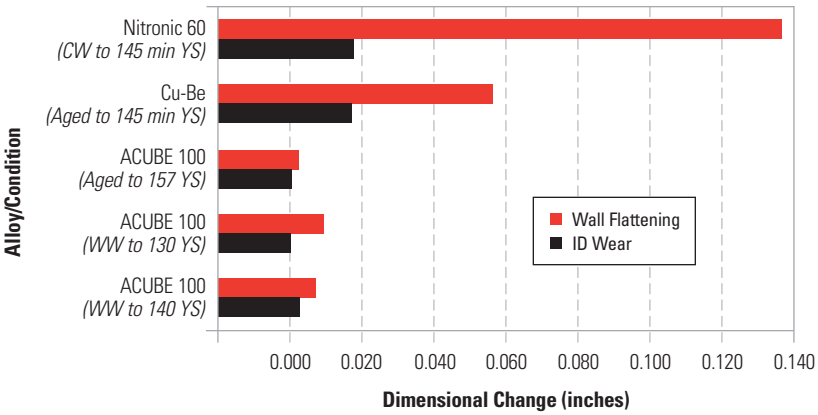
Sub-scale bushing tests have indicated that Carpenter ACUBE 100 outperforms alloys such as copper-beryllium and nitrogen-strengthened and cold-worked stainless steels for wear resistance, dimensional stability, temperature control, and resistance to galling and spalling.

Product Forms:

- Cold finished bar
- Forged bar

Carpenter is a world recognized developer, producer and supplier of cast wrought and powder metallurgy specialty alloys including stainless steels, high-strength alloys, superalloys, and tool and die steels, as well as titanium alloys.

Bushing Wear Resistance



Benefits:

- High strength
- Excellent corrosion resistance
- Outstanding wear resistance
- Beryllium free

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