



Application Data

Cam Rollers

In Can Closing Machines

Description

Modern can closing machines are capable of processing 2,000 cans per minute. To accomplish this, component reliability is essential.

A critical component is the cam roller, which is responsible for raising each can into the closing mechanism where a lid is attached and the can sealed.

Material

AMPCO[®] 22 extruded rod

Advantages

AMPCO 22 rod replaced a 1.7271 Chrom Molybden steel cam roller that required heat treating, chrome plating and a bronze bushing insert to meet required reliability criteria.

By substituting a solid bronze roller, a cost-effective alternative was achieved. The AMPCO 22 alloy; (1) eliminated several manufacturing processes, (2) optimized resistance to corrosion and (3) maximized dependable service life.

The consistent superiority of AMPCO 22 alloy over commercial bronze is due, in part, to the unique distribution of alloy microstructure, often referred to as the "Ampco-Phase." Only Ampco alloys offer this metallurgical advantage.

