

C230 Brass - C23000 (Red Brass)

Overview

C230 Brass, also known as Red Brass, 85/15 Brass, or C23000, is a copper-zinc alloy known for its high corrosion resistance and excellent formability. With 85% copper and 15% zinc, it provides a unique combination of strength, ductility, and resistance to various types of corrosion. The reddish color makes it attractive for both functional and decorative uses.

Chemical Composition

Element	Content (%)
Copper (Cu)	84.0 - 86.0
Zinc (Zn)	Balance (~15)
Lead (Pb)	≤ 0.05
Iron (Fe)	≤ 0.05

Key Properties

- Excellent corrosion resistance
- Good strength and durability
- Excellent formability
- Attractive reddish color
- Good electrical and thermal conductivity
- Better resistance to cracking than higher-zinc brasses

Applications

- Plumbing fittings and valves
- Weather stripping
- Architectural trim
- Conduit and pipe fittings
- Lipstick cases and cosmetic packaging
- Fire extinguisher components

International Equivalents

- UNS: C23000
- CDA: 230
- ISO: CuZn15
- EN: CZ102
- Also known as: Gilding Metal, 85/15 Brass