

High-alloy aluminium bronzes for 3D printing (WAAM)

MAXIMUM PERFORMANCE IN DEMANDING AREAS OF APPLICATION

- Materials: **bercoweld®** A35 / **bercoweld®** A922
- Packaging units: 15 kg spools, 175 kg drums
- Process: 3D printing / WAAM (Wire Arc Additive Manufacturing)

Why high-alloy aluminium bronzes?

Our high-alloy aluminium bronzes offer an exceptional combination of:

- **High strength** - ideal for components subject to high mechanical loads
- **Excellent corrosion resistance** - suitable for maritime, chemical or humid environments
- **Excellent wear resistance** - perfect for bearings, friction parts and long-life components
- **Good heat resistance** - can also be used at high temperatures

These properties make them the perfect choice for WAAM 3D printing of complex components such as:

- Plain bearings & bushes
- Gear wheels
- Pistons & valve guides
- (Ship) propeller
- Valve body
- Corrosion-resistant structural components for offshore & marine applications

Your advantages at a glance

- Individual adjustment of chemical analysis and technical parameters (e.g. strength, elongation)
- Reliable quality direct from the manufacturer
- Flexible delivery: spools & drums - ideal for prototyping and series production
- Significant cost reduction compared to existing

Typical applications

Manufacturer of:

- Mechanically highly stressed components
- Structural & drive parts for the marine and offshore industry
- Components for chemically corrosive environments



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