



DuraKapp™#8 Lead-Based Babbitt

Description

DuraKapp™#8 Babbitt is a general purpose, low speed, Lead-based Babbitt. Good tensile and compression strengths under shock, load, pounding, and vibration. Our unique Precision Microcasting™, combined with high purity virgin raw materials, results in the world's strongest, most ductile Lead-based Babbitts.

DuraKapp™#8 Babbitt meets or exceeds the specifications for ASTM #8 Babbitt —also known as Royal, Grade 8, or QQ-T-390A No. 6 Babbitt. We back all of our products with a 100% satisfaction guarantee or your money back.

Applications

- Slower speed, heavy load and pressure settings in small or large bearings
- Especially useful in older equipment to conform to small consistent imperfections in shafts and shells
- Refurbishing Grade 8 bearings in heavy load and pressure applications in low speed shafts and drives
- Found in drives and equipment with little lubrication or maintenance
- Older slower speed shafts, drives, motors, and engines
- Found in elevators, hoists, conveyors, hydraulic presses and pumps, mixers, and grinders
- Paired with [KappaTinning™ Compound](#) and [Kapp CopperBond™ Flux](#)

Properties

Specification	
ASTM B23:	Grade 8
QQ-T-90A:	No. 6
Composition	
Sn (Tin):	4.5-5.5%
Sb (Antimony):	14.0-16.0%
Pb (Lead):	Balance
Thermal Properties	
Melting Temperature Range:	459-522°F (237-272°C)
Pouring Temperature:	645°F (341°C)
Mechanical Properties	
Brinell Hardness (@ 68°F / 20°C):	20.0
Tensile Strength (Chill Cast):	10,200 psi (70 MPa)
Elongation at Break:	5%
Fatigue Strength psi, MPa:	NA
Yield Point, Compression at Temperature:	@ 68°F (20°C) = 2,650 psi (18.3 MPa); @ 212°F (100°C) = 1,200 psi (8.3 MPa)
Johnson's Apparent Elastic Limit:	@ 68°F (20°C) = 2,650 psi (18.3 MPa); @ 212°F (100°C) = 1,200 psi (8.3 MPa)

Product Variants

*Available in standard forms: 35 lb. (15.9 kg) ingots, 6 lb. (2.7 kg), notch bars, and 1 lb. (0.5 kg) bars. Custom alloys and forms are our specialty. Call Kapp Alloy with your project specifics.