

Babbitt Alloy Listing

Babbitt Alloys

(Sawguide Alloys and Babbitt Bearing Alloys)

| ASTM #B-23 | | Grade #1 | Grade #2 | Grade #3 | Grade #11 | Grade #7 | Grade #8 | Grade #13 |
|--------------|----------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|
| Sn | Tin | 90.0-92.0 | 88.0-90.0 | 83.0-85.0 | 86.0-89.0 | 9.3-10.7 | 4.5-5.5 | 5.5-6.5 |
| Sb | Antimony | 4.0-5.0 | 7.0-8.0 | 7.5-8.5 | 6.0-7.5 | 14.0-16.0 | 14.0-16.0 | 9.5-10.5 |
| Pb | Lead | 0.35 max | 0.35 max | 0.35 max | 0.50 max | Balance | Balance | Balance |
| Cu | Copper | 4.0-5.0 | 3.0-4.0 | 7.5-8.5 | 5.0-6.5 | 0.50 max | 0.50 max | 0.50 max |
| Fe | Iron | 0.08 max | 0.08 max | 0.08 max | 0.08 max | 0.10 max | 0.10 max | 0.10 max |
| As | Arsenic | 0.10 max | 0.10 max | 0.10 max | 0.10 max | 0.30-0.60 | 0.30-0.60 | 0.25 max |
| Bi | Bismuth | 0.08 max | 0.08 max | 0.08 max | 0.08 max | 0.10 max | 0.10 max | 0.10 max |
| Zn | Zinc | 0.005 max | 0.005 max | 0.005 max | 0.005 max | 0.005 max | 0.005 max | 0.005 max |
| Al | Aluminum | 0.005 max | 0.005 max | 0.005 max | 0.005 max | 0.005 max | 0.005 max | 0.005 max |
| Cd | Cadmium | 0.05 max | 0.05 max | 0.05 max | 0.05 max | 0.05 max | 0.05 max | 0.05 max |
| Total | | 99.8 | 99.8 | 99.8 | 99.8 | | | |

Aluminum & Zinc Alloys

- Die Casting
- Pressure Casting
- Sand Casting
- Choker Zinc

Anodes (Aluminum & Zinc)

- Heat Exchanger
- Commerical Hull
- Ballast Tank
- Heater Treater

Tin Alloys

- Babbitt
- Jewellery
- Pewter

ASTM B 699 ZA-12 (Zinc & Aluminum Alloy)

| | | |
|----|-----------|------------|
| Al | Aluminum | 10.5-11.5 |
| Cu | Copper | 0.5-1.25 |
| Mg | Magnesium | 0.015-0.03 |
| Fe | Iron | 0.075 max |
| Pb | Lead | 0.004 max |
| Cd | Cadmium | 0.003 max |
| Sn | Tin | 0.002 max |
| Zn | Zinc | Remainder |

Grade Common Trade Names

| | | |
|-----|---|-------------|
| #2 | Nickel Genuine | (Lead Free) |
| #11 | Imperial | (Lead Free) |
| #7 | Harris Heavy Pressure | |
| #8 | Saw Guides | |
| #13 | Mill Anchor, Chipper Babbitt, Knife Blade | |

Custom Babbitt Alloys are available.

Shipment from stock.

Standard size boxes of 25 pounds or ingot form (2 sizes available).

Ingot Sizes

| Sizes | Length | Width | Depth | Tin | Lead | ZA-12 |
|----------|--------|-------|-------|---------|----------|---------|
| Small | 6" | 1" | 1" | 1 lbs. | 1.5 lbs. | N/A |
| Standard | 6" | 3" | 2" | 8 lbs. | 10 lbs. | N/A |
| Large | 21" | 3" | 2" | 20 lbs. | 35 lbs. | 21 lbs. |