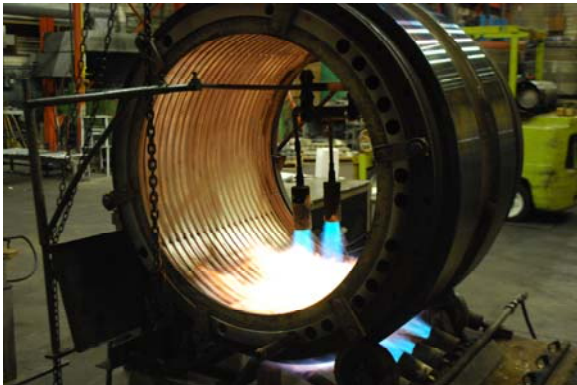


# VIRGIN BABBITT METAL ALLOYS...

## for the Bearing Industry

### NATHAN TROTTER BABBITT METAL



Nathan Trotter & Company, Inc. manufactures high purity Babbitt Metal Alloys for use in OEM babbitt applications as well as commercial babbitt bearing repair. All NT Babbitt Alloys are engineered and produced using 100% virgin base metals and certified to meet industry standards & customer specifications. Our alloys are produced under rigid quality measures using Grade A (low-lead) tin with 99.95% Minimum purity, copper of 99.99% purity and antimony with 99.90% min. purity. This insures our customers receive a quality alloy that is consistent each and every order. A complete certificate of analysis from our state-of-the-art laboratory is provided with every shipment.

### ADDITIONAL NT BABBITT-RELATED PRODUCTS

- Babbitt Wire- .062"; .079"; .125"; .187" & .250" diameters
- Tinning Compound and Tinning Paste- 1 lb. cans
- Babbittite Damming Compound- 5 lb. & 30 lb. boxes
- VitaFlux Wax Babbitt Cleaner
- Pure tin ingot- 7 lb. notch bars & 25 lb. ingots
- 1 lb. Tinning Sticks



### PACKAGING

7 lb. notch bars packaged in 50 lb. boxes, 25 lb. ingots & 55 lb. pigs palletized  
All items are securely packaged and palletized to customers' specifications

### LEAD TIME & DELIVERY

Lead time for most babbitt orders is less than one week. To meet the needs of rush orders, inventories of traditional babbitt alloys are kept in stock at Nathan Trotter in Coatesville, PA. to provide typical next day shipping.

### NT CAN RECYCLE YOUR BABBITT DROSS AND SCRAP

Nathan Trotter offers a babbitt scrap/dross buy-back schedule which enables our customers to sell back any scrap babbitt material. We offer our customers fair and reasonable market values in addition to prompt settlements or credits.

### BABBITT POT ANALYSIS AND SAMPLING

Nathan Trotter has a state-of-the-art in-house lab that is available to assist in helping to monitor your babbitt pot or resolve casting issues. Customers can take full advantage of sending us babbitt pot samples in order to have us determine the consistency of their material once it is in use. Typical response on samples assays is 2-3 days upon receipt, sooner if necessary.

### CHEMICAL COMPOSITION OF POPULAR BABBITT ALLOYS

ELEMENT	ASTM GRADE 1 BABBITT METAL 91Sn/4.5Sb/4.5Cu	ASTM GRADE 2 BABBITT METAL 89Sn/7.5Sb/3.5Cu	ASTM GRADE 3 BABBITT METAL 84Sn/8Sb/8Cu	ASTM GRADE 4 BABBITT METAL 75Sn/12Sb/3Cu/10Pb	ASTM GRADE 7 BABBITT METAL 10Sn/15Sb/75Pb	ASTM GRADE 8 BABBITT METAL 5Sn/15Sb/80Pb	ASTM GRADE 15 BABBITT METAL 1Sn/15Sb/1As/83Pb
Tin	Balance	Balance	Balance	Balance	9.3 - 10.7	4.5 - 5.5	0.8 - 1.2
Antimony	4.0 - 5.0	7.0 - 8.0	7.5 - 8.5	11.0 - 13.0	14.0 - 16.0	14.0 - 16.0	14.5 - 17.5
Lead	<0.35	<0.35	<0.35	9.3 - 10.7	Balance	Balance	Balance
Copper	4.0 - 5.0	3.0 - 4.0	7.5 - 8.5	2.5 - 3.5	<0.50	<0.50	<0.60
Iron	<0.08	<0.08	<0.08	<0.08	<0.10	<0.10	<0.10
Arsenic	<0.10	<0.10	<0.10	<0.15	0.3 - 0.6	0.3 - 0.6	0.8 - 1.4
Bismuth	<0.08	<0.08	<0.08	<0.10	<0.10	<0.10	<0.10
Zinc	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Aluminum	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

SPEC NO: NT Babbitt  
Rev: Date: 010/14/2009  
Approved By:  
Ben Etherington, VP  
*Ben Etherington*

**NATHAN TROTTER IS ISO 9001 : 2008 REGISTERED**

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**Nathan Trotter & Co.**  
Non-Ferrous Metals

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