

NOTE.—The Institution desires to call attention to the fact that this Specification is intended to include the technical provisions necessary for the supply of the material herein referred to, but does not purport to comprise all the necessary provisions of a contract.

## British Standards Institution.

Incorporated by Royal Charter.

FORMED IN 1901 AS THE ENGINEERING STANDARDS COMMITTEE.

INCORPORATED IN 1918 AS THE BRITISH ENGINEERING STANDARDS ASSOCIATION.

*British Standard Specification for Aircraft Material.*

### WHITE METAL (88/8/4) INGOTS.

(Suitable for Bearings).

NOTE.—Acceptance of any particular Manufacturer's white metal for use in a particular aircraft engine bearing is subject to an engine type test complying with the requirements of the Air Ministry Standard Schedule of Type and Production Tests, Part "B."

1. **Chemical Composition.** (a) The chemical composition of the ingots shall be:—

Copper	-	-	-	not less than 3.75	or more than 4.25	per cent.
Antimony	-	-	-	" " "	8.0 " " "	10.0 " "
Total Impurities	-	-	-	-	-	not more than 0.5 " "
Tin	-	-	-	The remainder.		

(b) The Manufacturer shall supply the analysis of each final cast to the Inspector.

(c) In the case of large casts the Inspector may at his discretion call for further analyses.

(d) The samples shall be obtained by milling or other suitable method and shall be taken throughout the thickness of the ingot after removal of the skin.

2. **Freedom from Defects.** The ingots shall be free from defects.

3. **Identification.** All ingots passed by the Inspector shall be identified by the mark of the Inspector and a symbol or such other marking which shall ensure full identification of the material.

This Specification having been approved by the Aircraft Industry Committee and endorsed by the Chairman of the Engineering Divisional Council, was published by the authority of the General Council of the Institution as a British Standard on 24th July, 1933.

#### NOTE.

*In order to keep abreast of progress in the Industries concerned, the British Standard Specifications are subjected to periodical review.*

*Suggestions for improvements, addressed to the British Standards Institution, 28 Victoria Street, London, S.W. 1, will be welcomed at all times. They will be recorded and in due course brought to the notice of the Committees charged with the revision of the Specifications to which they refer.*