

BRITISH STANDARDS INSTITUTION
BRITISH STANDARDS HOUSE, 2 PARK STREET, LONDON, W. 1INCORPORATED BY ROYAL CHARTER
Telephone: MAYFAIR 9000
Telegrams: STANDARDS, AUDLEY, LONDON**BRITISH STANDARD FOR
AIRCRAFT MATERIAL****99 PER CENT ALUMINIUM WIRES FOR SOLID,
COLD FORGED RIVETS**
(Not exceeding $\frac{3}{8}$ inch diameter)

Wire to this British Standard is primarily intended for the manufacture of rivets complying with British Standards in the SP. series.

NOTE. Where metric equivalents are stated the figures in British units are to be regarded as the standard. The conversions are approximate; more accurate conversions should be based on the tables in B.S. 350, 'Conversion factors and tables'.

1. Inspection and testing procedure.

This British Standard shall be used in conjunction with Sections One and Twelve of British Standard L.100

2. Quality of material.

The material shall be made from aluminium complying with the requirements of British Standards L.31, L.48, or L.49, with or without approved scrap, at the discretion of the manufacturer.

3. Chemical composition.

The chemical composition of the material shall be:

Element	Per cent	
	min.	max.
Aluminium	99.0	—
Copper	—	0.1
*Magnesium	—	0.1
Silicon	—	0.5
Iron	—	0.7
*Manganese	—	0.1
*Nickel	—	0.1
*Zinc	—	0.1
*Lead	—	0.05
*Tin	—	0.05
*Titanium	—	0.1

*Subject to the discretion of the Inspecting Authority, determination of these elements need be made on a small proportion only of the samples analysed.

Price 2/6 net.

YA

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(Replacing British Standard 2 L.36)

4. Condition.

The wire shall be supplied as drawn.

5. Heat treatment.

None.

6. Mechanical properties.

6.1 Tensile test.

The tensile strength of test pieces shall be not less than 7.0 ton/sq in (11.0 kg/mm²).

6.2 Torsion test.

The test shall be made on a sample in the condition as delivered.

7. Identification colour.

The identification colour for the wire shall be black.

This British Standard, having been approved by the Aircraft Industry Standards Committee and endorsed by the Chairman of the Engineering Divisional Council, was published under the authority of the General Council of the Institution on 29 September, 1961.

The Institution desires to call attention to the fact that this British Standard does not purport to include all the necessary provisions of a contract.

British Standards are revised, when necessary, by the issue either of amendment slips or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions.

The following B.S.I. references relate to the work on this standard :
Committee reference ACE/24. Draft for comment AA(ACE) 504