

**Ministry of Defence
Defence Procurement Agency, ADRP2
Abbey Wood
Bristol
BS34 8JH**

OBSOLESCENCE NOTICE

All DTD specifications were declared obsolescent from 1st April 1999. All DTD 900 series approvals also lapsed at that time. The standards will no longer be updated but will be retained as obsolescent documents to provide for the servicing of existing equipment.

Further Guidance

The aim in declaring the specifications obsolescent is to recognise that the documents are not being updated and thus should be used with care by both purchaser and supplier. For example, a specification could contain valid technical information but may also contain type approval clauses that contradict procurement policy and/or use materials that do not comply with environmental legislation. The obsolescent specification can still be used as a basis for a purchase provided that the supplier and purchaser agree suitable changes to the specification within the purchase order/contract.

For the DTD 900 system, each specification has provided an MoD approved material and process. For these items, the declaration of obsolescence will constitute the termination of both the extant MoD approval and the continuing MoD assessment that had underpinned those approvals. Again, the technical content of the document remains valid and can be used by both purchaser and supplier as a basis for a contract but an acceptable (to the parties) approval/assessment procedure would be required.

Aerospace Material Specification
NICKEL-COPPER ALLOY COLD DRAWN WIRE
FOR RIVETS

NOTE: This specification is one of a series issued by the Procurement Executive, Ministry of Defence to meet a requirement not covered by an existing British Standard for aerospace material.

1. Inspection and Testing Procedure

This specification shall be used in conjunction with British Standard HR100 (latest issue) Sections 1 and 7, except, where this specification overrides.

2. Manufacture

The material shall be manufactured by an electric melting process.

3. Chemical Composition

The alloy shall contain:

| ELEMENT | % | |
|-----------------|------|------|
| | MIN | MAX |
| Carbon | 0.08 | 0.16 |
| Silicon | - | 0.5 |
| Manganese | - | 2.0 |
| Sulphur | - | 0.02 |
| Aluminium | - | 0.5 |
| Copper | 28.0 | 34.0 |
| Iron | - | 2.5 |
| Nickel + Cobalt | 63.0 | - |

4. Condition

Unless otherwise agreed, the material shall be supplied in the cold drawn condition.

5. Mechanical Properties

5.1 Mechanical Tests —The mechanical properties obtained from test pieces selected, prepared and tested in accordance with the relevant requirements of HR100 shall be as follows:

5.1.1 Tensile Test at Room Temperature

| TENSILE STRENGTH | | ELONGATION |
|-------------------|------------|------------|
| N/mm ² | | % on 50mm |
| min 540 | max 620 | min 20 |

5.2 Special Mechanical Tests

5.2.1 Reverse torsion test — Test samples shall be selected and test pieces prepared and tested in accordance with the requirements of British Standard HR100 (latest issue). Each test piece shall be turned 10 revolutions, after which no defects shall be revealed during examination without magnification.

Approved for issue,

D. K. THOMAS

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