

**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
FORGINGS OF COMMERCIALY PURE TITANIUM
(Tensile strength 460 - 615 N/mm²)
(Suitable for welding)

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 Sections 1 and 4 of British Standard TA 100.

2. MANUFACTURE

The forgings shall be made from forging stock complying with the requirements of D.T.D. 5283.

3. CHEMICAL COMPOSITION

The chemical composition of the forgings shall be:

Element	Per cent	
	min	max
Iron	—	0.20
Hydrogen	—	0.0125
Titanium	The remainder	

4. CONDITION

The forgings shall be supplied annealed and subsequently descaled and pickled.

5. HEAT TREATMENT

The forgings and test samples shall be annealed by heating uniformly at a temperature of 675±25°C and cooling in air.

6. MECHANICAL PROPERTIES

Tensile test. Unless they are required by British Standard TA 100 to be agreed between the manufacturer and the purchaser, the mechanical properties obtained from test pieces selected, prepared and tested in accordance with the relevant requirements of British Standard TA 100 shall be:

0.2% proof stress	Tensile strength		Elongation
min	min	max	min
N/mm ²	N/mm ²	N/mm ²	%
310	460	615	16

NOTE. $1 \text{ N/mm}^2 = 0.102 \text{ kgf/mm}^2 = 0.1 \text{ hbar} = 0.065 \text{ tonf/in}^2$. Information on SI units is given in BS 350, 'Conversion factors and tables', and in PD 5686, 'The use of SI units'.

Approved for issue,

E. W. RUSSELL,

Director/Materials.

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