

Aerospace series — Test method — Microstructure of ($\alpha + \beta$) titanium alloy wrought products —

Part 004: Microstructure of sheet for superplastic forming

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National foreword

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A list of organizations represented on ACE/61/-/49 can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

**Aerospace series - Test method - Microstructure of ($\alpha + \beta$)
titanium alloy wrought products - Part 004: Microstructure of
sheet for superplastic forming**

Série aérospatiale - Méthode d'essai - Microstructure des
produits corroyés en alliage de titane ($\alpha + \beta$) - Partie 004 :
Microstructure des tôles pour formage superplastique

Luft- und Raumfahrt - Prüfverfahren - Mikrogefüge
Knetzeugnisse von Titanlegierung ($\alpha + \beta$) - Teil 004:
Mikrogefüge von Blechen für superplastisches Umformen

This European Standard was approved by CEN on 18 October 2006.

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Foreword

This document (EN 3114-004:2006) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

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1 Scope

This standard contains pictures of the microstructure of ($\alpha + \beta$) titanium alloy sheet for superplastic forming.

It shall be used in conjunction with EN 3114-001.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 3114-001, *Aerospace series — Microstructure of ($\alpha + \beta$) titanium alloy wrought products — Part 001: General requirements.*

3 Micrographs

4L1A to 4L12A ($\alpha + \beta$) structure, longitudinal section, annealed.

4L1B to 4L12B ($\alpha + \beta$) structure, longitudinal section, 930 °C / t = 30 min / WQ.