



National Standards Authority of Ireland

IRISH STANDARD

**I.S. CEN ISO/TS 21432:2005**

ICS 19.100

**NON-DESTRUCTIVE TESTING - STANDARDS  
TEST METHOD FOR DETERMINING RESIDUAL  
STRESSES BY NEUTRON DIFFRACTION (ISO  
21432:2005)**

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*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
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effect on:*

*September 23, 2005*

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Údarás um Chaighdeán Náisiúnta na hÉireann



English version  
Version Française  
Deutsche Fassung

Non-destructive testing - Standards test method for determining residual stresses by neutron diffraction (ISO 21432:2005/Cor 1:2008)

Essais non destructifs - Méthode normalisée de détermination des contraintes résiduelles par diffraction de neutrons (ISO 21432:2005/Cor 1:2008)

Zerstörungsfreie Prüfung - Standardprüfverfahren zur Bestimmung von Eigenspannungen durch Neutronenbeugung (ISO/TS 21432:2005/Cor 1:2008)

This corrigendum becomes effective on 8 April 2009 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 8 avril 2009 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 8. April 2009 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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**S.R. CEN ISO/TS 21432:2005/AC:2009**  
**CEN ISO/TS 21432:2005/AC:2009 (E)**

**Endorsement notice**

The text of CEN ISO/TS 21432:2005/Cor.1:2008 has been approved by CEN as a European Corrigendum without any modification.



## **Non-destructive testing — Standard test method for determining residual stresses by neutron diffraction**

### TECHNICAL CORRIGENDUM 1

*Essais non destructifs — Méthode normalisée de détermination des contraintes résiduelles par diffraction de neutrons*

#### *RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to Technical Specification ISO/TS 21432:2005 was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 5, *Radiation methods*.

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*Page v, Foreword, para 4, line 2*

Delete “normative”.

*Page v, Foreword, para 5, line 3*

Delete “six”, insert “three”.

*Page 10, Figure 3*

Delete the key, insert:

**Key**

X	2θ, degrees
Y	neutron counts

*Page 14, Figure 6*

Delete the key, insert:

**Key**

X	strain
Y	stress (MPa)

*Page 14, Figure 7*

Delete the key, insert:

**Key**

X	strain
Y	stress (MPa)

*Page 25, Clause 10, line 5*

Delete “[22]”, insert “[28]”.

*Page 38, Equation (B.7)*

Replace the existing equation with:

$$\frac{u(d)^2}{d^2} \approx \left[ \frac{u(\lambda)}{\lambda} \right]^2 + [u(\theta) \cot \theta]^2 + [u(T)\alpha]^2 + [u(x)g]^2 \quad (\text{B.7})$$

*Page 40, Bibliography, Reference [28]*

Delete the existing entry, and insert:

- [28] ISO/IEC NP Guide 98-3, *Uncertainty of measurement — Part 3: Guide to the expression of uncertainty in measurement* (GUM:1995)

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