



**SLOVENSKI STANDARD**  
**kSIST FprEN 12668-3:2013**  
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**Neporušitveno preskušanje - Določanje lastnosti in preverjanje naprav za ultrazvočne preiskave - 3. del: Sestavljeni sistemi**

Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 3: Combined equipment

Zerstörungsfreie Prüfung - Charakterisierung und Verifizierung der Ultraschall-Prüfausrüstung - Teil 3: Komplette Prüfausrüstung

Essais non destructifs - Caractérisation et vérification de l'appareillage de contrôle par ultrasons - Partie 3: Equipement complet

**Ta slovenski standard je istoveten z: FprEN 12668-3**

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**ICS:**

19.100      Neporušitveno preskušanje      Non-destructive testing

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**FprEN 12668-3**

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English Version

## Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 3: Combined equipment

Essais non destructifs - Caractérisation et vérification de  
l'appareillage de contrôle par ultrasons - Partie 3:  
Équipement complet

Zerstörungsfreie Prüfung - Charakterisierung und  
Verifizierung der Ultraschall-Prüfausrüstung - Teil 3:  
Komplette Prüfausrüstung

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 138.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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COMITÉ EUROPÉEN DE NORMALISATION  
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## Foreword

This document (FprEN 12668-3:2013) has been prepared by Technical Committee CEN/TC 138 “Non-destructive testing”, the secretariat of which is held by AFNOR.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 12668-3:2000.

The present standard is composed of the following parts:

- EN 12668-1, *Non-destructive testing — Characterization and verification of ultrasonic examination equipment — Part 1: Instruments*;
- EN 12668-2, *Non-destructive testing — Characterization and verification of ultrasonic examination equipment — Part 2: Probes*;
- FprEN 12668-3, *Non-destructive testing — Characterization and verification of ultrasonic examination equipment — Part 3: Combined equipment* (the present document).

**FprEN 12668-3:2013 (E)****1 Scope**

This document describes methods and acceptance criteria for verifying the performance of ultrasonic equipment (i.e. instrument and probe combined as defined in EN 12668-1 and EN 12668-2) by the use of appropriate standard calibration blocks. These methods are not intended to prove the suitability of the equipment for particular applications. The methods described are suitable for the use by operators working under site or shop floor conditions. The methods only apply to pulse echo equipment using A-scan presentation, with gain controls or attenuators calibrated in steps not greater than 2 dB and used essentially in contact testing. These methods are specifically intended for manual testing equipment. For automated testing different tests can be needed to ensure satisfactory performance.

**2 Normative references**

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

EN 12668-1, *Non-destructive testing — Characterization and verification of ultrasonic examination equipment — Part 1: Instruments*

EN 12668-2, *Non-destructive testing — Characterization and verification of ultrasonic examination equipment — Part 2: Probes*

EN ISO 2400, *Non-destructive testing — Ultrasonic testing — Specification for calibration block No. 1 (ISO 2400)*

EN ISO 7963, *Non-destructive testing — Ultrasonic testing — Specification for calibration block No. 2 (ISO 7963)*

**3 Description of tests and reporting****3.1 General**

The methods described in this standard, together with the frequency of checking, are summarised in Table 1.

Compliance with the checks shall be recorded on the ultrasonic test report.