
**Non-destructive testing — Ultrasonic
testing — Specification for a
calibration block for phased array
testing (PAUT)**

*Essais non destructifs — Contrôle par ultrasons — Spécifications
relatives au bloc d'étalonnage pour la technique multiéléments*



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Foreword

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Non-destructive testing — Ultrasonic testing — Specification for a calibration block for phased array testing (PAUT)

1 Scope

This document specifies requirements for the dimensions, material and manufacture of a steel block for calibrating ultrasonic test equipment used in ultrasonic testing with the phased array technique.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 5577, *Non-destructive testing — Ultrasonic testing — Vocabulary*

EN 16018, *Non-destructive testing — Terminology — Terms used in ultrasonic testing with phased arrays*

EN 10025-2, *Hot rolled products of structural steels — Part 2: Technical delivery conditions for non-alloy structural steels*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5577 and EN 16018 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

4 Abbreviated terms

ACG angle-corrected gain

FSH full-screen height

RF radio frequency

SDH side-drilled hole

SNR signal- to-noise ratio

TCG time-corrected gain