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## Non-destructive testing — Ultrasonic testing — Specification for step wedge calibration block

*Essais non destructifs — Essais par ultrasons — Spécifications relatives aux blocs d'étalonnage à gradins*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html)

This document was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 3, *Ultrasonic testing*.

This second edition cancels and replaces the first edition (ISO 16946:2015), of which it constitutes a minor revision with the following changes:

- a) the normative references have been updated;
- b) [Figure 1](#) has been updated in respect of the tolerances for length and width.

## Introduction

A step wedge calibration block is not meant to check an ultrasonic instrument. A step wedge calibration block makes it possible, during practical testing, to check simply, from time to time, the setting of the time base and the sensitivity of the ultrasonic equipment.

Calibration block No. 1 is specified in ISO 2400.

Calibration block No. 2 is specified in ISO 7963.

Requests for official interpretations of any aspect of this document are to be directed to the Secretariat of ISO/TC 135/SC 3 via your national standards body, a complete listing of which can be found at [www.iso.org](http://www.iso.org).

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