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Acoustics — Guidelines for noise control by silencers

*Acoustique — Lignes directrices pour la réduction du bruit au moyen
de silencieux*



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 14163 was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

Annexes A to C of this International Standard are for information only.

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Introduction

Whenever airborne sound cannot be controlled at the source, silencers provide a powerful means of sound reduction in the propagation path. Silencers have numerous applications and different designs based on various combinations of absorption and reflection of sound, as well as on reaction on the sound source. This International Standard offers a systematic description of principles, performance data and applications of silencers.