

---

---

**Non-destructive testing — Ultrasonic  
testing — Transmission technique**

*Essais non destructifs — Contrôle par ultrasons — Technique par  
transmission*





**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

Foreword .....	iv
Introduction .....	v
<b>1 Scope .....</b>	<b>1</b>
<b>2 Normative references .....</b>	<b>1</b>
<b>3 Terms and definitions .....</b>	<b>1</b>
<b>4 Principles of the examination .....</b>	<b>1</b>
<b>4.1 Basic techniques and set-up .....</b>	<b>1</b>
<b>4.2 Capability of detection of imperfections .....</b>	<b>3</b>
<b>4.3 Requirements for geometry and access .....</b>	<b>4</b>
<b>4.4 Effects of variations in coupling, angulation and alignment of probe .....</b>	<b>4</b>
<b>5 Examination technique .....</b>	<b>4</b>
<b>5.1 General .....</b>	<b>4</b>
<b>5.2 Sensitivity setting .....</b>	<b>4</b>
<b>5.3 Scanning .....</b>	<b>4</b>
<b>5.4 Evaluation of imperfections .....</b>	<b>4</b>
<b>5.5 Determination of attenuation coefficient .....</b>	<b>5</b>