INTERNATIONAL STANDARD

ISO 5948

Third edition 2018-12

Railway rolling stock material — Ultrasonic acceptance testing

Matériel roulant de chemin de fer — Essai de réception aux ultrasons





COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: +41 22 749 01 11 Fax: +41 22 749 09 47 Email: copyright@iso.org Website: www.iso.org

Published in Switzerland

Contents			Page
Fore	word		iv
1	Scope	2	1
2	Norn	Normative references	
3	Terms and definitions		1
4	Ordering		1
5	Location of testing and qualification of the personnel		4
6		Time of testing	
7		ce condition of the products	
8		Octeristics of test equipment Ultrasonic instrument Probes Other devices	4 4
9	Coup	olants	
10	Settin 10.1 10.2 10.3 10.4	General Sensitivity setting for wheels or tyres Sensitivity setting for testing axles in the radial direction Sensitivity setting for determining the ultrasonic permeability of axles	5 5
11	Scan	Scanning	
12	Evalu 12.1 12.2 12.3	Estimation of the size of discontinuities Evaluation of the loss of back-wall echo Determination of the ultrasonic permeability of axles	7 7
13	Accej 13.1 13.2 13.3	Otance levels General Discontinuity detection Ultrasonic permeability of axles	7 7
Anne	x A (no	rmative) Reference blocks for discontinuity detection tests	9
Anne	x B (inf	formative) Reference block for determining the ultrasonic permeability of axles	14
Ribli	ogranh	v	15