

INTERNATIONAL
STANDARD

ISO
1005-6

Second edition
1994-08-01

Railway rolling stock material —

Part 6:

Solid wheels for tractive and trailing stock —
Technical delivery conditions

Matériel roulant de chemin de fer —

*Partie 6: Roues monoblocs pour le matériel moteur et pour le matériel
remorqué — Conditions techniques de livraison*



Reference number
ISO 1005-6:1994(E)

Contents

	Page
1 Scope	1
2 Normative references	1
3 Information to be supplied by the purchaser	2
4 Classification	3
4.1 Grades of steel	3
4.2 Types of heat-treatment condition on delivery	3
4.3 Testing category	3
4.4 Degree of finish	3
4.5 Tolerance category	3
5 Requirements	3
5.1 Chemical composition	3
5.2 Mechanical properties	3
5.3 Appearance and soundness	3
5.4 Machining allowances and dimensional tolerances	4
5.5 Residual imbalance	4
5.6 Marking	4
6 Manufacture	4
6.1 Steelmaking process	4
6.2 Manufacturing process	6
6.3 Removal of defective sections	6
6.4 Identification of the wheels during manufacture	6
6.5 Heat treatment	6
6.6 Machining and correction of imbalance	6
6.7 Removal of surface defects	7
6.8 Shot peening	7

© ISO 1994

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 the publisher.

International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

7	Inspection	7
7.1	Responsibilities and type of inspection	7
7.2	Inspection of manufacture	8
7.3	Inspection of the characteristics of the wheels	8
7.4	Submission for inspection by the purchaser	8
7.5	Certification	8
7.6	Number of checks and tests	9
7.7	Sampling and preparation of samples and test pieces	9
7.8	Test methods	11
7.9	Retests	12
7.10	Conclusion of the inspection	12
8	Delivery	12
8.1	Protection against corrosion during transport	12
8.2	Protection against mechanical damage during transport	12
 Annexes		
A	Procedure for shot peening web surfaces of wheels	17
B	Bibliography	21