



NSAI
Standards

Standard Recommendation
S.R. CEN/TS 15718:2011

Railway applications - Wheelsets and bogies - Product requirements for cast wheels

S.R. CEN/TS 15718:2011

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This document replaces:

This document is based on:
CEN/TS 15718:2011

Published:
23 September, 2011

This document was published
under the authority of the NSAI
and comes into effect on:
23 September, 2011

ICS number:

45.040

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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ICS 45.040

English Version

Railway applications - Wheelsets and bogies - Product requirements for cast wheels

Applications ferroviaires - Essieux montés et bogies -
Exigences pour roues en acier moulé

Bahnanwendungen - Radsätze und Drehgestelle -
Produktanforderungen für Gussräder

This Technical Specification (CEN/TS) was approved by CEN on 3 January 2011 for provisional application.

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Contents

Page

Foreword.....	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Product definition	7
3.1 Chemical composition	7
3.1.1 Values to be achieved	7
3.1.2 Location of the sample.....	7
3.1.3 Chemical analysis.....	7
3.2 Mechanical characteristics	7
3.2.1 Tensile test characteristics.....	7
3.2.2 Hardness characteristics in the rim.....	9
3.2.3 Impact test characteristics	10
3.2.4 Fatigue characteristics.....	10
3.2.5 Fracture toughness characteristics of the rim	11
3.3 Heat treatment homogeneity	12
3.3.1 Location of measurement	12
3.3.2 Values to be achieved	12
3.3.3 Test method.....	12
3.4 Metallurgical structure	12
3.5 Material cleanliness	12
3.5.1 Micrographic cleanliness.....	12
3.5.2 Internal integrity.....	13
3.6 Residual stresses	16
3.6.1 General.....	16
3.6.2 Values to be achieved	16
3.6.3 Test piece	17
3.6.4 Measurement methods.....	17
3.7 Surface characteristics	17
3.7.1 Surface appearance.....	17
3.7.2 Surface integrity.....	17
3.8 Geometric tolerances	18
3.9 Static imbalance.....	20
3.10 Shot peening - Requirements.....	20
3.10.1 General.....	20
3.10.2 Values to be achieved	21
3.10.3 Measurement method.....	21
3.11 Protection against corrosion.....	21
3.12 Wheel maintenance capacity.....	21
3.13 Manufacture's markings	21
Annex A (normative) Hydrogen control at the point of steel melt for monobloc wheels	23
A.1 Sampling.....	23
A.2 Analysis methods	23
A.3 Operating precautions	23
Annex B (informative) Example of a test method for the determination of fatigue characteristics	24
B.1 Test piece	24
B.2 Test rig.....	24
B.3 Test monitoring.....	24
B.4 Analysis of results	24

Annex C (informative) Strain gauge method for determining the variation of circumferential residual stresses located deep under the tread (destructive method)	25
C.1 Principle	25
C.2 Procedure	25
C.2.1 Fitting of a rim cross section with strain gauges prior to wheel cutting	25
C.2.2 Execution of cutting	25
C.2.3 Operations to be executed during cutting	26
C.3 Expression of results	26
C.3.1 Calculation of the variation of the circumferential residual stress located deep under the tread	26
C.3.2 Calculation of the variation of the circumferential stress created by cutting operation 1	26
C.3.3 Calculation of the variation of the circumferential stress created by cutting operation 2	27
C.3.4 Calculation of the variation of the circumferential stress created by cutting operation 3	27
C.3.5 Final diagram representing the variation of the circumferential stress located deep under the tread	27
Annex D (informative) Product qualification	31
D.1 General	31
D.2 Requirements	31
D.2.1 Requirements for the producer	31
D.2.2 Requirements for the product	32
D.3 Qualification procedure	32
D.3.1 General	32
D.3.2 Documentation required	32
D.3.3 Evaluation of manufacturing equipment and of the production processes	33
D.3.4 Laboratory tests	33
D.3.5 Testing of wheels	34
D.4 Qualification certificate	34
D.4.1 Condition of the validity	34
D.4.2 Modification and extension	34
D.4.3 Transference	35
D.4.4 Lapsed certificate	35
D.4.5 Cancellation	35
D.5 Qualification documents	35
Annex E (informative) Product delivery	36
E.1 General	36
E.2 Delivery condition	36
E.3 Controls on each wheel	37
E.4 Batch control	37
E.4.1 Controls	37
E.4.2 Uniformity of batches by measurement of rim hardness	38
E.4.3 Orientation of residual stresses on rim chilled wheels	39
E.4.4 Shot peening	39
E.4.5 Visual inspection	40
E.4.6 Quality plan	40
E.5 Allowable rectification	41
Bibliography	42

Foreword

This document (CEN/TS 15718:2011) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, the secretariat of which is held by DIN.

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Introduction

Prior to the publication of this Technical Specification, the only European Standard available to define quality requirements for monobloc wheels was EN 13262, which applies only to forged and rolled wheels. Forging and rolling was the only authorized process to be used by the UIC regulation that was applicable in the recent past for European countries.

Cast wheels are commonly used by AAR networks and have been introduced into Europe on some applications for freight wagons. As a reference document, this standard defines the product requirements of a monobloc cast wheel. In order for a cast wheel to maintain the same level of safety as for a forged and rolled wheel, for the product characteristics, the main content of this document is derived from EN 13262.

This standard addresses a complete definition of the product and delivery procedures for cast wheels by:

a) defining all the wheel characteristics;

NOTE 1 These are either verified during the qualification or for the delivery of the product (see Clause 3).

b) defining qualification procedures (see Annex D);

c) defining delivery conditions (see Annex E).

NOTE 2 A choice is given to the supplier, of either:

- 1) a traditional delivery procedure with a control by batch sampling as in existing documents (see E.4) or;
- 2) delivery procedure using quality assurance concepts (see E.4.6).

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