

Railway applications — Track — Switches and crossings —

Part 6: Fixed common and obtuse crossings

ICS 45.080

National foreword

This British Standard is the UK implementation of EN 13232-6:2005+A1:2011. It supersedes BS EN 13232-6:2005, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted by Technical Committee RAE/2 Railway Applications - Track.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2005

© BSI 2011

ISBN 978 0 580 70118 4

Amendments/corrigenda issued since publication

Date	Comments
30 November 2011	Implementation of CEN amendment A1:2011

English Version

Railway applications - Track - Switches and crossings - Part 6: Fixed common and obtuse crossings

Applications ferroviaires - Voie - Appareils de voie - Partie
6: Cœurs de croisement et de traversée à pointes fixes

Bahnanwendungen - Oberbau - Weichen und Kreuzungen -
Teil 6: Starre einfache und doppelte Herzstücke

This European Standard was approved by CEN on 8 August 2005 and includes Amendment 1 approved by CEN on 13 September 2011.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.





EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
3.1 Parts of crossings.....	6
3.1.1 Common crossing	6
3.1.2 Specific definitions for obtuse crossings	9
3.2 Geometry	10
3.3 Construction.....	10
3.4 Joints	10
4 Performance requirements	10
4.1 General.....	10
4.2 Materials	10
4.2.1 Assembled crossings, semi-assembled/assembled monobloc	10
4.2.2 Monobloc with or without welded legs.....	11
4.3 Inclination of the running table	11
5 Design requirements	11
5.1 Geometric data.....	11
5.2 Rolling stock data	12
5.2.1 General.....	12
5.2.2 Axle load and spacing	12
5.2.3 Maximum speed	12
5.3 Supports and fastenings.....	12
5.4 Other requirements.....	12
5.5 Drawings	12
6 Tolerances and inspection	13
6.1 General.....	13
6.2 Tools and instruments	13
6.3 Critical dimensions.....	13
6.4 Certification	16
6.5 Methods of examination for structural defects	16
6.5.1 Visual	16
6.5.2 Dye penetrant and/or magnetic particle	16
6.5.3 Ultrasound	16
6.5.4 Radiography.....	16
7 Limits and extent of supply	16
8 Identification marks	16
Annex ZA (informative)  Relationship between this European Standard and the Essential Requirements of EU Directive 2008/57/EC 	27
Bibliography	30