# DIN EN 13232-6:2023-12 (E)

## Railway applications - Track - Switches and crossings for Vignole rails - Part 6: Fixed common and obtuse crossings

## Contents

Page


European foreword ..... 3

1 Scope ..... 5

2 Normative references ..... 5

3 Terms and definitions ..... 6
3.1 Types of crossings ..... 6
3.2 Rail joints ..... 7
3.3 Parts of crossings ..... 8
3.4 Parts specific to obtuse crossings ..... 11
3.5 Definitions of geometry terms for crossings ..... 12
3.5.1 Common crossing features ..... 12
3.5.2 Obtuse crossing features ..... 16
3.5.3 Crossing angle measurement ..... 19

4 Performance requirements ..... 19
4.1 General ..... 19
4.2 Materials ..... 19
4.2.1 General ..... 19
4.2.2 Assembled crossings, semi-assembled/assembled monobloc ..... 19
4.2.3 Monobloc with or without welded legs ..... 20
4.3 Inclination of the running table ..... 20

5 Design requirements ..... 20
5.1 Geometric data ..... 20
5.2 Construction ..... 21
5.3 Joints ..... 21
5.4 Rolling stock data ..... 21
5.4.1 General ..... 21
5.4.2 Axle load ..... 21
5.4.3 Maximum speed ..... 21
5.5 Supports and fastenings ..... 21
5.6 Other requirements ..... 21
5.7 Drawings ..... 22

6 Tolerances and inspection ..... 22
6.1 General ..... 22
6.2 Tools and instruments ..... 22
6.3 Critical dimensions ..... 22
6.4 Certification ..... 29
6.5 Methods of examination for structural defects ..... 29

7 Limit and extent of supply ..... 29

8 Identification marks ..... 30

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive (EU) 2016/797 aimed to be covered ..... 31

Bibliography ..... 32