

DIN EN 13232-3:2012-01 (E)

Railway applications - Track - Switches and crossings - Part 3: Requirements for wheel/rail interaction (includes Amendment A1:2011)

Contents

Page

age Foreword	3
1 Scope	5
2 Normative references	5
3 Presentation	5
3.1 General	5
3.2 Wheel and track dimensions	5
3.3 Wheel profiles	5
3.4 Wheelsets	6
3.5 Rail and track	6
3.6 Tolerances and wear	7
3.7 Contact zone	8
3.7.1 Contact profile	8
3.7.2 Contact danger zone	8
3.7.3 Flangeway depth	8
4 Guidance principles	8
4.1 Guard and check Rails	9
4.2 Wheelset guidance	9
4.2.1 Angle of attack	10
4.2.2 Flangeway	10
4.2.3 Gauge widening	11
4.2.4 Check rail and common crossing nose	11
4.2.5 Obtuse Crossings	11
4.3 Transitional guidance	13
4.4 Entry flares	13
5 Wheel load transfer	13
5.1 Sufficiency of bearing area	14
5.2 Transfer surfaces	16
5.3 Method of assessment	16
6 Insufficient wheel support or guidance	16
6.1 Common crossings	16
6.2 Obtuse crossings	16
6.3 Movable crossings	16
Annex ZA (informative) !Relationship between this European Standard and the Essential Requirements of EU Directive 2008/57/EC"	17
Bibliography	20