

DIN EN 13232-7:2012-01 (E)

Railway applications - Track - Switches and crossings - Part 7: Crossings with moveable parts (includes Amendment A1:2011)

Contents		Page
Foreword		4
Introduction		6
1	Scope	7
2	Normative references	7
3	Types of crossing with moveable parts	8
3.1	Common crossings with moveable parts	8
3.2	Obtuse crossings with moveable parts	8
3.3	Materials	9
3.4	Geometry	9
3.5	Inclination of the running table	9
3.6	Construction	9
3.7	Relationship with the adjacent track	9
4	Terms and definitions	10
4.1	Common crossing with moveable point (Figure 7)	10
4.2	Common crossing with moveable wing rails (Figure 8)	11
4.3	Obtuse crossing with moveable parts (Figure 9)	12
5	Design requirements	13
5.1	Geometrical data	13
5.2	Rolling stock data	14
5.2.1	Maximum axle load	14
5.2.2	Maximum speed	14
5.2.3	Wheel profile, diameter, back to back and wheel set dimensions	14
5.2.4	Note	14
5.3	Supports and fastenings	14
5.4	Interface between crossing with moveable parts and operating system	15
5.5	Transfer of longitudinal track forces	15
5.6	Other requirements	15
5.7	Drawings	15
6	Tolerances and inspection	15
6.1	General	15
6.2	Tools and instruments	16
6.3	Critical dimensions	16
6.3.1	General	16
6.3.2	Critical dimensions for common crossings with moveable point	16
6.3.3	Critical dimensions for common crossings with moveable wing rails	16
6.3.4	Critical dimensions for obtuse crossings with moveable parts	16
6.4	Certification	16
6.5	Methods of examination for structural defects	17
6.5.1	Visual	17
6.5.2	Dye penetrant and/or magnetic particle	17
6.5.3	Ultrasound	17
6.5.4	Radiography	17
7	Limits and extent of supply	17

8	Identification marks	17
	Annex ZA (informative) "Relationship between this European Standard and the Essential Requirements of EU Directive 2008/57/EC"	64
	Bibliography	67