

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

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

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>6</b>
<b>3.1</b>	<b>Types of crossings .....</b>	<b>6</b>
<b>3.2</b>	<b>Rail joints .....</b>	<b>7</b>
<b>3.3</b>	<b>Parts of crossings .....</b>	<b>8</b>
<b>3.4</b>	<b>Parts specific to obtuse crossings .....</b>	<b>11</b>
<b>3.5</b>	<b>Definitions of geometry terms for crossings .....</b>	<b>12</b>
<b>3.5.1</b>	<b>Common crossing features .....</b>	<b>12</b>
<b>3.5.2</b>	<b>Obtuse crossing features .....</b>	<b>16</b>
<b>3.5.3</b>	<b>Crossing angle measurement .....</b>	<b>19</b>
<b>4</b>	<b>Performance requirements .....</b>	<b>19</b>
<b>4.1</b>	<b>General .....</b>	<b>19</b>
<b>4.2</b>	<b>Materials .....</b>	<b>19</b>
<b>4.2.1</b>	<b>General .....</b>	<b>19</b>
<b>4.2.2</b>	<b>Assembled crossings, semi-assembled/assembled monobloc .....</b>	<b>19</b>
<b>4.2.3</b>	<b>Monobloc with or without welded legs .....</b>	<b>20</b>
<b>4.3</b>	<b>Inclination of the running table .....</b>	<b>20</b>
<b>5</b>	<b>Design requirements .....</b>	<b>20</b>
<b>5.1</b>	<b>Geometric data .....</b>	<b>20</b>
<b>5.2</b>	<b>Construction .....</b>	<b>21</b>
<b>5.3</b>	<b>Joints .....</b>	<b>21</b>
<b>5.4</b>	<b>Rolling stock data .....</b>	<b>21</b>
<b>5.4.1</b>	<b>General .....</b>	<b>21</b>
<b>5.4.2</b>	<b>Axle load .....</b>	<b>21</b>
<b>5.4.3</b>	<b>Maximum speed .....</b>	<b>21</b>
<b>5.5</b>	<b>Supports and fastenings .....</b>	<b>21</b>
<b>5.6</b>	<b>Other requirements .....</b>	<b>21</b>
<b>5.7</b>	<b>Drawings .....</b>	<b>22</b>
<b>6</b>	<b>Tolerances and inspection .....</b>	<b>22</b>
<b>6.1</b>	<b>General .....</b>	<b>22</b>
<b>6.2</b>	<b>Tools and instruments .....</b>	<b>22</b>
<b>6.3</b>	<b>Critical dimensions .....</b>	<b>22</b>
<b>6.4</b>	<b>Certification .....</b>	<b>29</b>
<b>6.5</b>	<b>Methods of examination for structural defects .....</b>	<b>29</b>
<b>7</b>	<b>Limit and extent of supply .....</b>	<b>29</b>
<b>8</b>	<b>Identification marks .....</b>	<b>30</b>
<b>Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive (EU) 2016/797 aimed to be covered .....</b>		<b>31</b>
<b>Bibliography .....</b>		<b>32</b>