

# DIN EN 13374:2013-07 (E)

## Temporary edge protection systems - Product specification - Test methods

---

<b>Contents</b>		<b>Page</b>
Foreword .....		4
<b>1</b>	<b>Scope .....</b>	<b>6</b>
<b>2</b>	<b>Normative references .....</b>	<b>6</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>8</b>
<b>4</b>	<b>Classification of edge protection systems .....</b>	<b>10</b>
4.1	Class A .....	10
4.2	Class B .....	11
4.3	Class C .....	11
<b>5</b>	<b>Requirements .....</b>	<b>11</b>
5.1	General .....	11
5.1.1	Basic requirements .....	11
5.1.2	Nets .....	11
5.1.3	Principal guardrail .....	11
5.1.4	Toeboard .....	11
5.2	Additional dimensional requirements for individual classes .....	12
5.2.1	Edge protection system class A .....	12
5.2.2	Edge protection system class B .....	12
5.2.3	Edge protection system class C .....	12
5.3	Material requirements .....	13
5.3.1	General .....	13
5.3.2	Steel .....	13
5.3.3	Timber .....	14
5.3.4	Material for counterweights .....	14
5.4	Static and dynamic design requirements for individual classes .....	14
5.4.1	General .....	14
5.4.2	Edge protection system class A .....	14
5.4.3	Edge protection system class B .....	14
5.4.4	Edge protection system class C .....	14
<b>6</b>	<b>Structural design .....</b>	<b>15</b>
6.1	General .....	15
6.1.1	Introduction .....	15
6.1.2	Method of design .....	15
6.1.3	Ultimate limit state (fundamental and accidental loads) .....	16
6.1.4	Serviceability limit state .....	16
6.2	Partial safety factors .....	16
6.2.1	Ultimate limit state with fundamental loads .....	16
6.2.2	Serviceability limit state .....	17
6.2.3	Ultimate limit state with accidental loads .....	17
6.3	Static loads .....	17
6.3.1	General .....	17
6.3.2	Serviceability limit state .....	18
6.3.3	Ultimate limit state - Point loads .....	19
6.3.4	Ultimate limit state - Maximum wind load .....	20
6.3.5	Ultimate limit state -Load combination .....	21
6.3.6	Ultimate limit state - Load parallel to the edge protection system .....	22
6.3.7	Ultimate limit state with accidental loads .....	22

<b>7</b>	<b>Test methods</b> .....	<b>23</b>
7.1	General .....	23
7.2	Load application .....	23
7.3	Sample to be tested .....	24
7.4	Tests for conformity with static load requirements for classes A and B .....	24
7.4.1	General .....	24
7.4.2	Tests for serviceability .....	24
7.4.3	Test for strength .....	25
7.5	Tests for conformity with dynamic load requirements for classes B and C .....	25
7.5.1	Test procedure for Class B .....	25
7.5.2	Test procedure for Class C .....	27
7.6	Test reports .....	29
<b>8</b>	<b>Designation</b> .....	<b>29</b>
<b>9</b>	<b>Marking</b> .....	<b>29</b>
<b>10</b>	<b>Information to be given to the site</b> .....	<b>30</b>
10.1	General requirements .....	30
10.2	Principal contents .....	30
<b>11</b>	<b>Assessment</b> .....	<b>31</b>
<b>Annex A (informative) Appropriate classes for the use at different inclinations and falling heights</b> .		<b>32</b>
<b>Bibliography</b> .....		<b>33</b>