

# DIN EN 17235:2025-01 (E)

## Permanent anchor devices and safety hooks

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Introduction .....		5
<b>1</b>	<b>Scope .....</b>	<b>6</b>
<b>2</b>	<b>Normative references .....</b>	<b>6</b>
<b>3</b>	<b>Terms, definitions, symbols and abbreviated terms .....</b>	<b>8</b>
<b>3.1</b>	<b>Terms and definitions .....</b>	<b>8</b>
<b>3.2</b>	<b>Symbols and abbreviated terms .....</b>	<b>13</b>
<b>4</b>	<b>Product characteristics .....</b>	<b>13</b>
<b>4.1</b>	<b>General .....</b>	<b>13</b>
<b>4.2</b>	<b>Mechanical resistance .....</b>	<b>13</b>
<b>4.3</b>	<b>Water permeability .....</b>	<b>13</b>
<b>4.4</b>	<b>Kit A .....</b>	<b>14</b>
<b>4.5</b>	<b>Kit B .....</b>	<b>14</b>
<b>4.6</b>	<b>Kit C .....</b>	<b>15</b>
<b>4.7</b>	<b>Kit D .....</b>	<b>15</b>
<b>5</b>	<b>Test methods .....</b>	<b>16</b>
<b>5.1</b>	<b>General .....</b>	<b>16</b>
<b>5.2</b>	<b>Test arrangements and apparatus .....</b>	<b>19</b>
<b>5.2.1</b>	<b>Test lanyard and determination of free fall distance .....</b>	<b>19</b>
<b>5.2.2</b>	<b>Test apparatus for static tests .....</b>	<b>20</b>
<b>5.3</b>	<b>Kit A .....</b>	<b>20</b>
<b>5.3.1</b>	<b>General .....</b>	<b>20</b>
<b>5.3.2</b>	<b>Dynamic test .....</b>	<b>21</b>
<b>5.3.3</b>	<b>Breaking load test .....</b>	<b>22</b>
<b>5.4</b>	<b>Kit B .....</b>	<b>22</b>
<b>5.4.1</b>	<b>General .....</b>	<b>22</b>
<b>5.4.2</b>	<b>Hook base test .....</b>	<b>23</b>
<b>5.4.3</b>	<b>Dynamic test .....</b>	<b>23</b>
<b>5.4.4</b>	<b>Breaking load test .....</b>	<b>24</b>
<b>5.5</b>	<b>Kit C .....</b>	<b>24</b>
<b>5.5.1</b>	<b>General .....</b>	<b>24</b>
<b>5.5.2</b>	<b>Test arrangements .....</b>	<b>25</b>
<b>5.5.3</b>	<b>Dynamic test .....</b>	<b>27</b>
<b>5.5.4</b>	<b>Breaking load test .....</b>	<b>28</b>
<b>5.6</b>	<b>Kit D .....</b>	<b>28</b>
<b>5.6.1</b>	<b>General .....</b>	<b>28</b>
<b>5.6.2</b>	<b>Test arrangement .....</b>	<b>29</b>
<b>5.6.3</b>	<b>Dynamic test .....</b>	<b>32</b>
<b>5.6.4</b>	<b>Breaking load test .....</b>	<b>32</b>
<b>5.7</b>	<b>Corrosion resistance .....</b>	<b>33</b>
<b>5.8</b>	<b>Water permeability .....</b>	<b>33</b>
<b>5.9</b>	<b>Test report .....</b>	<b>33</b>
<b>6</b>	<b>Assessment and verification of constancy of performance (AVCP) .....</b>	<b>34</b>
<b>6.1</b>	<b>General .....</b>	<b>34</b>
<b>6.2</b>	<b>Assessment of performance .....</b>	<b>34</b>

<b>6.2.1</b>	<b>General .....</b>	<b>34</b>
<b>6.2.2</b>	<b>Test samples, testing and assessment criteria .....</b>	<b>35</b>
<b>6.3</b>	<b>Verification of constancy of performance .....</b>	<b>35</b>
<b>6.3.1</b>	<b>Factory production control (FPC) .....</b>	<b>35</b>
<b>6.3.2</b>	<b>Initial inspection of factory and of FPC .....</b>	<b>37</b>
<b>6.3.3</b>	<b>Continuous surveillance of FPC .....</b>	<b>37</b>
<b>6.3.4</b>	<b>Audit-testing of samples .....</b>	<b>37</b>
<b>Annex ZA (informative) Relationship of this European Standard with Regulation (EU) No. 305/2011</b>		<b>38</b>
<b>ZA.1</b>	<b>Scope and relevant characteristics .....</b>	<b>38</b>
<b>ZA.2</b>	<b>System of Assessment and Verification of Constancy of Performance (AVCP) .....</b>	<b>40</b>
<b>ZA.3</b>	<b>Assignment of AVCP tasks .....</b>	<b>40</b>
<b>Bibliography .....</b>		<b>42</b>