

	<b>CO-ORDINATION OF NOTIFIED BODIES</b> <b>PPE Regulation 2016/425</b>  <b>RECOMMENDATION FOR USE</b>	PPE-R/11.115 Version 1						
Number of pages: 2	Approval stage :                      Approved on :							
Origin : Vertical Group 11 'Protection against Falls from a Height'	<table border="0"> <tr> <td><input checked="" type="checkbox"/> Vertical Group</td> <td>21.04.2018</td> </tr> <tr> <td><input checked="" type="checkbox"/> Horizontal Committee</td> <td>27.12.2018</td> </tr> <tr> <td><input checked="" type="checkbox"/> EU PPE Working Group</td> <td>29.11.2019</td> </tr> </table>		<input checked="" type="checkbox"/> Vertical Group	21.04.2018	<input checked="" type="checkbox"/> Horizontal Committee	27.12.2018	<input checked="" type="checkbox"/> EU PPE Working Group	29.11.2019
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Question related to <input checked="" type="checkbox"/> PPE Regulation <input type="checkbox"/> PPE Guidelines <input type="checkbox"/> EN/prEN: <input type="checkbox"/> Other:								
Article:                                      Annex:                                      Clause:								
Key words: Clamps, rescue, evacuation, lifting, lowering								
Question: How shall clamps that are claimed to be used in conjunction with devices for the rescue or evacuation lifting and lowering process be tested and evaluated?								
Solution: Requirements: <ol style="list-style-type: none"> <li><b>1. General:</b>  The function test, static strength test and dynamic test has to be carried out with any type of construction of the line (e. g. integrated lanyard of an energy absorber, lanyard of a retractable type fall arrester, flexible anchor line) as specified by the manufacturer</li> <li><b>2. Construction:</b>  Construction of the rescue / evacuation clamp has to be conform with clauses 4.1.1, 4.1.2, 4.1.4 and 4.1.5 of the EN 567:2013</li> <li><b>3. Function</b>  Check the function by lifting and lowering of a mass equivalent to the minimum and maximum rated for three times over a height of 1 m. Hold the mass for 3 minutes after each lifting and lowering process. Repeat the test with conditioning to wet and cold and to very cold in accordance with EN 354.</li> <li><b>4. Static strength for the rescue / evacuation clamp including the anchor line/lanyard</b>  The rescue / evacuation clamp including the lanyard/anchor line has to withstand a load of 6kN for 3 minutes (test procedure according to EN 354). Permanent extension of max. 25 mm is accepted.</li> <li><b>5. Static strength for the rescue / evacuation clamp</b>  The rescue / evacuation clamp has to withstand for 3 minutes a load of 12kN on a rigid rod bar instead of the anchor line/lanyard (test procedure according to EN 353-2:2014 2002 or EN 12841:2006)</li> <li><b>6. Dynamic strength</b>  Requirement and procedure in accordance with EN 795:2012 clause 5.2.1.4 (9kN without integrity test) and 5.3.3 by using a lanyard/anchor line with end termination and a position of the rescue / evacuation clamp of 1m below the end termination.</li> <li><b>7. Corrosion resistance</b>  Corrosion resistance has to be conforming to 5.5 of EN 362:2002 2004.</li> </ol>								

**8. Marking (in addition to EN 365:2004)**

- clear to the intended equipment to be used with the rescue / evacuation clamp
- min. and max. rated load in kilogram
- pictogram showing the direction of use
- pictogram/figure showing how the rescue / evacuation clamp should be attached
- maximum and minimum rated load

**9. Instruction for use (in addition to EN 365:2004)**

- a warning that the claimed use of the clamp is only for rescue / evacuation and should only be used by person which are well trained in rescue procedures
- maximum and minimum rated load
- a description, on how the clamp is against unintended loosening secured,
- a description, on how the clamp has to be used with the rescue / evacuation equipment,
- a information, indicating the type designation and specifications of the fall arrest components (lanyards/anchor lines), e. g. retractable type fall arrester, guided type fall arrester including a flexible anchor line, for which the clamp is intended to be used