



CO-ORDINATION OF NOTIFIED BODIES  
PPE Regulation 2016/425

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Version 1

RECOMMENDATION FOR USE

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Question related to <input checked="" type="checkbox"/> PPE Regulation <input type="checkbox"/> PPE Guidelines	<input checked="" type="checkbox"/> EN/prEN: EN 353-1: 2014+A1/2017	<input type="checkbox"/> Other:
Article:	Annex:	Clause:
Key words: Guided type fall arrester including rigid anchor line; Number of users simultaneously		
Question: How to assess guided type fall arresters including a rigid anchor line (made of wire rope or of rail), when the manufacturer claims the use by more than one person simultaneously on the rigid anchor line?		
Solution: <span style="float: right;"><i>Note: GTFA = guided type fall arrester)</i></span>		
Following requirements and test procedures are the basic for the assessment		
<b>1. General requirement</b>		
The guided type fall arrester including the rigid anchor line has to conform to EN 353-1:2014+A1:2017		
<b>2. Additional test procedures for GTFA including a rigid anchor line made of <u>wire rope</u></b>		
<b>2.1 Dynamic test</b>		
<b>2.1.1 first test</b>		
Carry out the dynamic performance test according to clause 4.3.2/5.3.2 of EN 353-1 but without a guiding bracket. After the test the test mass shall remain suspended.		
Check if there is a slack in the anchor line due to the arrest of the GTFA, which could lead to a higher fall distance of the next GTFA. If there is a higher fall possible, it has to be taken into account during the following tests.		
<b>2.1.2 second test</b>		
Attach the second GTFA below the first one on the rigid anchor line and repeat the dynamic performance test according to 2.1.1 with the second test mass.		
<b>2.1.3 additional tests</b>		
For each additional user, repeat the test according to 2.1.2 by placing an additional GTFA on the rigid anchor line below the previous GTFA.		
<b>2.2 Static Strength test</b>		
If the peak load at the top anchor is greater than 6 kN during 2.1.2 or 2.1.3, carry out the static strength test according to clause 4.2.2.3/5.2.2.3 of EN 353-1 with 2.5 times the recorded peak load.		
<b>3. Additional requirements for the instructions supplied by the manufacturer for GTFA including a rigid anchor line made of <u>wire rope and rail</u></b>		
Following information is required:		
<ul style="list-style-type: none"><li>• maximum length of the rigid anchor line</li><li>• maximum number of users for the simultaneously use</li><li>• minimum required distance between two GTFA (the users) during use<ul style="list-style-type: none"><li>○ for anchor lines made from <u>wire rope</u>: 3m</li><li>○ for anchor lines made from <u>rail</u>: 3m or two times the maximum span according to the greater length</li></ul></li></ul>		
for anchor lines made from <u>wire rope</u> , an advice, that every user can be influenced and fall due to the movement of the anchor line initiated by the other users		