



# CO-ORDINATION OF NOTIFIED BODIES

## PPE Regulation 2016/425

PPE-R/11.116  
Version 3

### RECOMMENDATION FOR USE

Number of pages: 1	Approval stage :	Approved on :
Origin : Vertical Group 11 'Protection against Falls from a Height'	<input checked="" type="checkbox"/> Vertical Group	13/09/2023
	<input checked="" type="checkbox"/> Horizontal Committee	07/12/2023
	<input checked="" type="checkbox"/> EU PPE Expert Group	26/05/2024

Question related to  PPE Regulation  PPE Guidelines  EN/prEN: EN 353-1:2014+A1:2017  Other:

Article:                                  Annex:                                  Clause:

Key words:  
Guided type fall arrester including rigid anchor line; angles of rigid anchor line

Question:  
How to assess devices when the manufacturer claims the use of its guided type fall arrester including rigid anchor line with higher angles than the standard values (+15° in forward and sideward direction) given in EN 353-1:2014+A1:2017?

Solution:

- Case 1: the manufacturer claims a use in the range of EN 353-1:2014+A1:2017: all tests according to EN 353-1:2014+A1:2017
- Case 2: the manufacturer claims a use beyond the range of EN 353-1:2014+A1:2017 (forward, sideward and combined if claimed): all tests according to EN 353-1:2014+A1:2017 plus additional tests at maximum angles beyond EN 353-1:2014+A1:2017, including a risk analysis and practical test (according to article .5.1.3)  
During dynamic performance tests on wire ropes load at bottom anchor shall be measured. The value shall be in the installation instructions  
Maximum allowed angle: 74° (note: beyond 74° from vertical EN 795:2012 type C or D applies)  
Installation instructions shall include maximum angle(s) permitted
- Case 3: the manufacturer claims a use between 16 and 74° so out of the range of EN 353-1:2014+A1:2017: relevant tests from EN 353-1:2014+A1:2017 with minimum and maximum claimed values (forward/sideward and combined if claimed), including a risk analysis and practical test (according to article .5.1.3).  
Maximum allowed angle: 74° (note: beyond 74° from vertical EN 795:2012 type C or D applies)  
Installation instructions shall include maximum angle(s) permitted and the device shall not be marked EN 353-1:2014+A1:2017
- Case 4: If the manufacturer claims a use with various angles (e.g. user moving horizontal from one vertical line to another one): as long as the user does not change his attachment to the anchor line: all tests according to EN 353-1:2014+A1:2017 at horizontal. If not (e.g. presence of corners, maximum horizontal length vs vertical length,...) EN 795:2012 shall apply as test procedure.
- Backward angle (less than -1°) shall be tested in the same way (tests, risk analysis, practical tests)  
Note: long span of wire ropes on a backward angle could lead to a backward fall (when the user blocks the GTFA and rests in the system, moreover if the tension in the wire rope is low) and to a longer distance between the user and the ladder or structure. Therefore, a specific risk analysis and applicable tests with the maximum claimed span (including at least applicable dynamic tests and ergonomic ones) shall be carried out.

Examples:

