	CO-ORDINATION OF NOTIFIED BODIES **PPE Regulation 2016/425** **RECOMMENDATION FOR USE**	PPE-R/11.140 Version 2

Number of pages: 2	Approval stage : Approved on :
Origin : Vertical Group 11	☒ Vertical Group 07.06.2021 ☒ Horizontal Committee 01.10.2021 ☒ EU PPE Expert Group 18.11.2022

Question related to ☒ PPE Regulation ☐ PPE Guidelines ☒ EN/prEN: : EN 12841-B:2006, EN 567:2013, EN 361:2002, EN 358:2018, EN 813:2008, EN 12277:2015+A1 :2018 ☐ Other:

Article: Annex: Clause:

Key words:

Rope clamp/Rope adjustment device used in harnesses

Question:

How to assess harnesses including a rope clamp/rope adjustment device or a specific attachment point (e.g. small size stitched loop) designed only for rope clamp/rope adjustment device?

Solution:

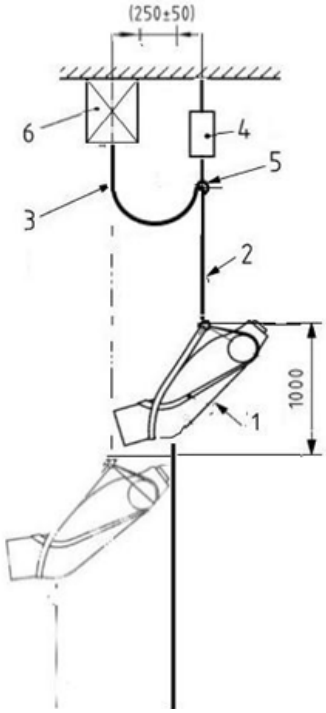
Harnesses including a rope clamp/rope adjustment device shall fulfil following requirements beyond PPE Regulation:

1- Rope clamp/Rope adjustment device shall conform to EN 12841:2006 type B (rope access use) and/or EN 567:2013 (mountaineering use)

2- Harness including a rope clamp/rope adjustment device or an attachment point specifically designed for rope clamp/rope adjustment device shall fulfil:
EN 361:2002 and/or EN 358:2018 and/or EN 813:2008 and/or EN 12277:2015/A1:2018

3- Harness attachment point specifically designed only for rope clamp/rope adjustment device shall fulfil following tests depending on the scope of use:
3.1 EN 12841:2006 type B use claimed for rope access (for EN 361:2002, EN 358:2018, EN 813:2008 harness)
a) Minimum Working Strength: according to article 4.3.3 dry condition (F=4kN/3min)
b) Dynamic Strength Test: instead of article 4.3.4 use following test procedure:
> Use EN 364:1992 torso dummy (with maximum user weight)

> Test setup: Anchor point – test lanyard (1m EN 892:2012+A1:2016 single rope ⦰ 11mm with an impact force of (9 ± 1,5) kN – EN 362:2004 connector – anchor line (5m of rope type claimed by the manufacturer based on EN 12841 requirement) with maximum diameter
> Place the rope adjustment device of the harness 1m below the top point of anchor line and suspend the dummy for 60 sec.
> Connect the quick release mechanism to EN 362:2004 connector between test lanyard and anchor line and raise the system 1m to generate a 1m long free fall
> Release the system
> Measure arrest distance Ha (max. 2m) of rope adjustment device (based on EN 12841/B:2006)
> Repeat the test with anchor line with minimum diameter as claimed by manufacturer



1 torso dummy (incl. rope adjustment device)
2 anchor line
3 test lanyard (1m EN892:2012 + A1:2016 single rope)
4 quick release mechanism
5 connector between test lanyard and anchor line
6 anchor point

3.2 EN 567:2013 use claimed for mountaineering (for EN 12277:2015/A1:2018 harness)
Static Strength Test: according to EN 567:2013 article 4.2.1 (F=4kN – no cycles)