

	CO-ORDINATION OF NOTIFIED BODIES PPE Regulation 2016/425 RECOMMENDATION FOR USE	PPE-R/11.150 Version 2 Update in red
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Question related to <input checked="" type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: EN 17520:2021	Other: _____
Article: 5.2.5.2	Annex: _____	Clause: _____
Key words: EN 17520, Dynamic, Personal Belay Lanyard ("PBL")		
Question: Context: article 5.2.5.2 (dynamic strength test on personal belay lanyard) of EN 17520:2021 (Self-belaying lanyards) could lead to different interpretations of the test methods for the 2 nd and 3 rd fall. Question: which test method should be considered for these tests?		
Solution: Reference documents: TC136/WG5/N1374, N1383, N1442 and N1509 <i>Note: text in italic: extract of EN 17520.</i> 5.1 is clarified as follows: If belay stance connector contributes to dynamic performance and/or slippage of adjustable PBL it shall be tested under 5.2.5.2 and 5.3.2 with that connector. 5.2.5.1 is clarified as follows: Attach the end termination intended for connection to the harness to the falling mass as described in the manufacturer's instructions and information (e.g. lark's foot) and the opposite end termination to the anchor point via a bar of diameter (10 ± 0,2) mm. 5.2.5.2 is clarified as follows: Attach the end termination intended for connection to the harness to the falling mass as described in the manufacturer's instructions and information (e.g. lark's foot) and the opposite end termination to the anchor point via a bar of diameter (10 ± 0,2) mm when the belay stance connector doesn't contribute to dynamic performance and via the intended belay stance connector if it contributes to the dynamic performance. Adjust it to the length L as measured in 5.2.3. Load the test sample with the falling mass as a static load for a period of (60 ± 5) s. VG11' note: applicable for the 1 st fall only 1) 1st drop: Within (120 ± 15) s, raise the mass to a height of 2 × L. Release the mass. Record the peak force. VG11: note: due to the preloading the lanyard is longer than L. So, the mass is raised of 2xL but will be released less than L from the anchor. Measurement of 2 x L (L as measured in 5.2.3) starts from position where PBL is loaded with falling mass. 2) 2nd drop: Within (5 ± 0,25) min, adjust the personal belay lanyard to (80 ± 2) % of its maximum length L as measured in 5.2.3 and raise the mass to a height of 1,6 × L. Release the mass. Record the peak force only for the 1st drop. VG11: Measurement of 1,6 x L (L as measured in 5.2.3) starts from position where PBL is loaded with falling mass. Note: the position of the mass after the 1st fall does not need to be considered for the 2nd fall. Process to follow: 1. Within 1 min after the 1st fall, lift the mass to unload the lanyard (enough to adjust to 0,8xL) 2. Adjust the length without load to 0,8xL (by passing the lanyard through the adjuster). (reminder: L is measured in 5.2.3 so under 10kg not 80kg) Load the test sample with the falling mass as a static load for a period of (60 ± 5) s. 3. Raise the mass to a height of 1,6xL (defined as 2 times the length of the adjusted lanyard) 4. Release the mass Note: by this the extension under 80kg after the 1 st fall is not considered in the 2x0,8xL as this is only required for 1st fall (see the EN text before the 1 st fall).		

3) 3rd drop: Within $(5 \pm 0,25)$ min, raise the mass to a height of $2 \times L$ with adjustable personal belay lanyard adjusted to the maximum length L as measured in 5.2.3. Release the mass.

VG11: Measurement of $2 \times L$ (L as measured in 5.2.3) starts from position where PBL is loaded with falling mass

Same principle as for the 2nd fall:

Process to follow:

1. Within 1 min after the 2nd fall lift the mass to unload the lanyard
2. Adjust the length without load to L (by passing the lanyard through the adjuster). (reminder: L is measured in 5.2.3 so under 10kg not 80kg) Load the test sample with the falling mass as a static load for a period of (60 ± 5) s.
3. Raise the mass to a height of $2xL$ (defined as 2 times the adjusted lanyard)
4. Release the mass

5.3.2 is clarified as follows:

If belay stance connector contributes to slippage of adjustable PBL it shall be tested with that connector

7 e) "other components" is clarified as follows:

Other components for use in the system, which particularly includes the belay stance connector which contributes to dynamic performance and/or slippage of adjustable PBL