Inspection Guide for Personal Protection Equipment

RETRACTABLE FALL ARRESTERS - Visual and functional checks

Doc : Gi08-201711-13

Norms : EN360:2002 EN1496:2006 Class B

References Numbers : **FA2040110 - FA2040120 – FA2040130**

With the help of the user instruction of the product and the inspection sheet, and without specific tools or a particular measuring device. Observe and touch each component of the product in order to detect possible anomalies. If one or more checkpoints are defective, the product must be withdrawn from service and replaced by a compliant device, or must be returned either to Kratos Safety or to an authorized service centre, in order to have the repairs performed.

Checkpoints

Inspect the visual aspect of the retractable fall arrester; the device must be verifiable.

1 **Fall indicator**
Make sure that the fall indicator has not been activated after a fall.
Green ring = No fall / Red ring = Considerable fall. Do not use the device again. Return to workshop obligatory.

2 **Connectors**
Use the inspection guide of connectors.

3 **Ending**
Verify the condition of the ending (aluminium wire rope caps + steel thimble); there should be no deformation, cut, wear, burn.

4 **Prehension handle**
Verify the condition of the prehension handle; there should be no part likely to hurt the user or disturb the proper functioning of the device.

5 **Wire rope**
Check the state of the wire rope all across its length; there should be neither deformation, nor cut, nor wear, nor oxidation at all.

6 **Damper guide**
Verify the presence and the condition of the damper guide.

7 **Permutation button and mechanism housing for recovery/rescue**
Check the condition of the button, there should be no damage. Make an action for testing the permutation between the recovery/rescue function and fall arrest. Check the condition of mechanism housing, it should be not deformed, broken, check that it is well fixed on the casing.

8 **Handle**
Check the complete condition of the handle, no deformation, wear or oxidation is tolerated.

9 **Functional inspection**

Blocking system **Ensure that the recovery/rescue function is not activated**
Make sure the blocking system works properly by pulling the wire rope; when the blocking system is operating, the rolling-out and the sliding of the wire rope should not be possible. Do the same process at middle length and at the end of the wire rope.

Self-retracting system **Ensure that the recovery/rescue function is not activated**
Check that the self-retracting system of the device works properly by rolling-out the whole wire rope and releasing it while keeping a hand on it as it reels into the casing. The self-retracting system should bring the whole wire rope back, including the connector.

System of recovery/rescue **Ensure that the recovery/rescue function is activated**
Check the recovery/rescue function, when the recovery/rescue function is activated the unwinding and winding is possible only with the help of the handle, turn the handle in one direction, and after in the other direction to check that the recovery/rescue system works correctly. To perform the functional test, it is better to apply a load (around 5 to 10 kg) on the wire rope.

10 **Casing cap screws**
Verify the presence and the tightening of the casing cap screws.

11 **Protective casings**
Verify the condition of the protective casings; they should not be misshapen, cut, broken or worn.

12 **Marking labels**
Make sure the labels are present and legible.

13 **Anchor ring**
Verify the condition of the anchor ring; it should not be misshapen, oxidized, cut or worn. It should spin freely.

Preservation of State
Evaluate de preservation of state into account of the controls above, and the general aspect of the product.