

Roco Rescue Gear Service Life Guidelines

HARNESSES 10-year service life*

- ☐ Harness has surpassed 10-year manufacture date.
- ☐ Webbing shows signs of cuts, significantly worn or frayed areas, soft or hard spots.
- ☐ Webbing shows signs of discolored or melted fibers.
- ☐ Stitching shows signs of pulled threads, abrasion, or breaks.
- ☐ Hardware shows signs of damage, sharp edges, excessive wear, or improper function.
- ☐ Harness has been subjected to shock loads, fall loads, or abuse.
- ☐ Doubts on the integrity of the harness.

ROPE / WEBBING / STRAPS / CORD 10-year service life*

- ☐ Software has surpassed 10-year manufacture date.
- ☐ Abrasions or cuts in the sheath where the core is exposed.
- ☐ Variation of diameter of the rope that could indicate potential damage to the core fibers.
- ☐ Soft or hard spots that could indicate core damage or that the fibers have been overstressed.
- ☐ Rope has been subjected to shock loads, fall loads, or abuse.
- ☐ History of use or manufacture date cannot be determined.

CARABINERS Indefinite service life*

- ☐ Carabiner has been dropped a significant distance.
- ☐ Exposed to heat sufficient enough to alter the surface appearance.
- ☐ Cracks, distortion, or deep gouges.
- ☐ Corrosion or deep pitted rust.
- ☐ Sharp edges that could cause damage to life safety rope.
- ☐ Gate does not line up when closed.
- ☐ Gate action does not return to closed position when opened and released.
- ☐ Locking mechanism does not fully engage.
- ☐ History of use cannot be determined.

*The Service life of rescue equipment varies greatly depending on the type of use as well as the environment of use and storage. The 10-year service life for nylon/polyester products comes from ASTM F1740-96 and NFPA 2500 (1983). Always follow manufacturer's recommendations for care, use, and, retirement. Remember, if in doubt, throw it out!

DESCENT CONTROL DEVICES Indefinite service life*

- ☐ Cracks, deformations, or elongation to any portion of the device.
- ☐ Corrosion or deep pitted rust.
- ☐ Deep scratches or gouges to any portion of the device.
- ☐ Sharp edges that could cause damage to life safety rope.
- ☐ Excessive wear to friction surfaces or cam (see wear indicator on some devices).
- ☐ Device has been subjected to shock loads, fall loads, or abuse.
- ☐ History of use cannot be determined.

ASCENDERS Indefinite service life*

- ☐ Cracks, deformations, or elongation to any portion of the device.
- ☐ Corrosion or deep pitted rust.
- ☐ Deep scratches or gouges to any portion of the device.
- ☐ Sharp edges that could cause damage to life safety rope.
- ☐ Fouled teeth on cam (handled type ascenders).
- ☐ Excessive wear to surface of cam.
- ☐ Damage to rivets (if applicable).
- ☐ History of use cannot be determined.

PULLEYS Indefinite service life*

- ☐ Pulley has been dropped a significant distance.
- ☐ Exposed to heat sufficient enough to alter the surface appearance.
- ☐ Cracks, dents, or elongation at the carabiner hole on side plates.
- ☐ Corrosion or deep pitted rust.
- ☐ Deep scratches or gouges to side plates or sheave(s).
- ☐ Sharp edges that could cause damage to life safety rope.
- ☐ Side plates that do not line up at the carabiner hole.
- ☐ Elongation of the side plates at the sheave pin.
- ☐ Side plates that do not move freely.
- ☐ Sheave does not turn freely or significantly rubs against side plate.
- ☐ Item has been subjected to shock loads, fall loads, or abuse.
- ☐ History of use cannot be determined.



GEAR SAFETY



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