RESCUE MANUAL

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S 120

RESCUE - S 120 - INSTRUCTION MANUAL

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The pilot shall be able, using only the information in the user's manual:

- **to attach the emergency parachute to the harness**
- **to maintain it**
- **to re-pack it**
- **to use it if the need arises**

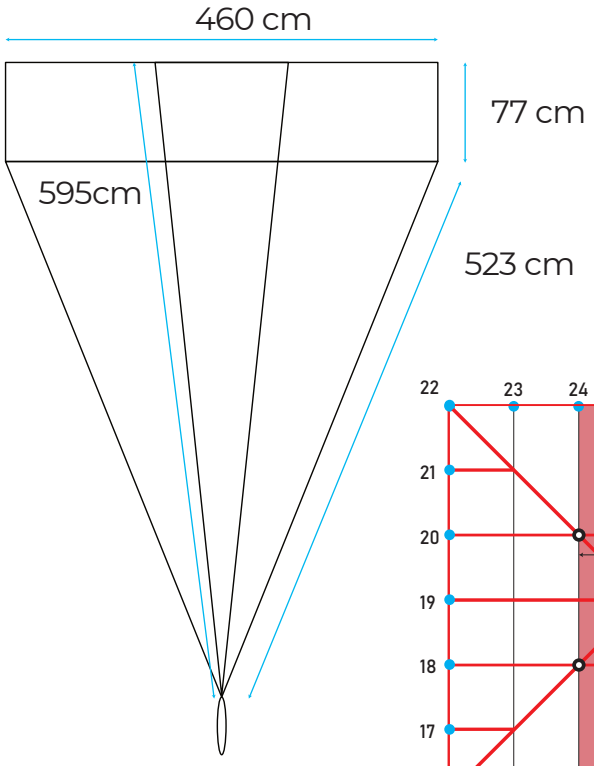
S 120 is a square shaped, non-steerable rescue parachute. With addition of openings on 4 edges. Their main function is reduction of oscillation.

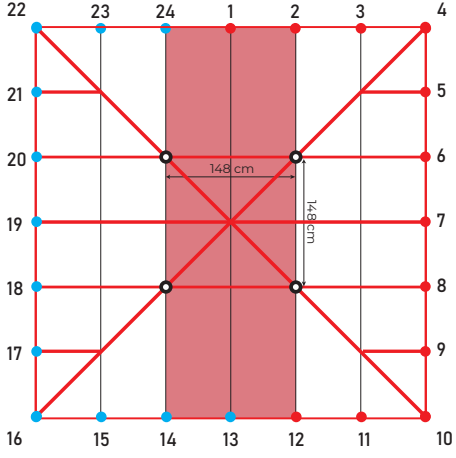
WARNING:

This rescue parachute was designed for paragliding activity only. It is certified for deployments (inside load range) at velocities up to 32 m/s or 115 km/h. At higher velocities we don't guarantee safe deployments. This rescue system is not suitable for free-fall purposes.

Data S 120

Surface flat [m²]	35,32 m²
Surface projected [m²]	21,16 m²
Sink rate with 120 kg	--- m/s
Weight [g]	1330 g
Max and min total Weight*	60 - 120 kg
Volume [l]	4,3 l
Dimensions packed [cm]	22/22/9 cm
Certification	EN 12491:2015
Canopy material	Naylon PA 6.6 - 26 g/m² UTT: 36041
Main lines material	Dyneema 1.3mm 190 daN 24 pcs - 523 cm
Central line material	Lyros 4mm Rescue line polyamide 4 pcs - 595 cm
Riser material	Dyneema DPro 3100 daN 1 pcs





***Total weight = pilot kg + equipment without paraglider**

Assembly

All our rescue systems are delivered properly packed in our inner container with central and lateral anchor. Inner container is compatible with most paragliding harnesses. Nevertheless, we recommend compatibility check by authorised dealer or professional instructor.

WARNING — This parachute system has been tested and found compliant using the original manufacturer's inner container. Use of any other inner container may produce different results, including failures.

WARNING — Use of this parachute with any alternative inner container: the speed of opening and opening shock test has been completed using the inner container supplied. Use of any other inner container may produce different results (including failure).

List of spare parts:

- Inner container
- Rubber bands
- Main riser

Repacking should be performed by a professional packer using suitable rubber bands.
If you need a new inner container or riser, contact us directly, and we will provide it.

Attaching the recsue system's with harness:

- Rescue system's riser should be connected with harness using a suitable screw-gate connector (example: 7mm Standard or Square Maillon Rapide). We recommend locking harness and rescue system's riser to the separate sides of connector using rubber O-Ring.
- Attach rescue system handle to the central or lateral anchor of inner container. The right position vary from harness to harness (or front container). CHECK HARNESS/FRONTCONTAINER MANUAL!!!

- Place the properly packed rescue parachute in to harness rescue parachute container and close container flaps according to the harness manual.
- If the harness doesn't contain integrated reserve parachute container, reserve parachute must be integrated to suitable front/outer container according to the front container manual.
- After first assembly, simulation deployment should be performed (hang test, not complete throw). During simulation check:

    - If all the flaps of the harness reserve parachute pocket are opened prior parachute extraction.
    - Reserve parachute should stay in the inner container during the deployment. Rescue parachute should start the extraction from inner container after the throw. If you extend your arm in lateral direction reserve parachute should stay in inner container.
    - The force needed to extract rescue parachute inner container from harness reserve parachute pocket or front/outer container.

- After deployment simulation reinstall the reserve parachute by following the same procedure as before.

Deployment

- Find rescue handle and gab it with one hand. In single action pull and throw inner container as far as possible. If possible, throw it in to the opposite direction to the spinning.
- After deployment check altitude. In case of low altitude, prepare for landing.
- If you have enough altitude, stabilize the paraglider, so it doesn't inflate and tends to fly. This can cause entanglement, pendulum motions and downplaning.
- Prepare to land on both feet and at landing absorb the energy with parachute landing fall. This will minimize the risk of injury.

Stabilization of the wing:

- Wrap the brake lines several times around your hands and pull it deep
- By pulling symmetrically C, D risers or in case of three liner C riser.
- By pulling the glider in by one stabilo line of the glider.

Maintenance, Care and Life span

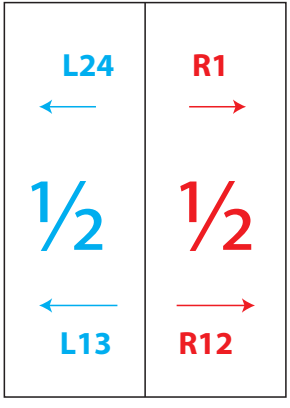
S 120 reserve parachute should be repacked **every year by a trained and certified professional.** At the same time simulation of deployment should be performed. When necessitated by climate, storage or official rules, reserve parachute may need a more frequent repacking. Additional inspections should be performed If there is any suspicion of damage or excessive wear. After deployment, the reserve should be checked by the distributor or manufacturer.

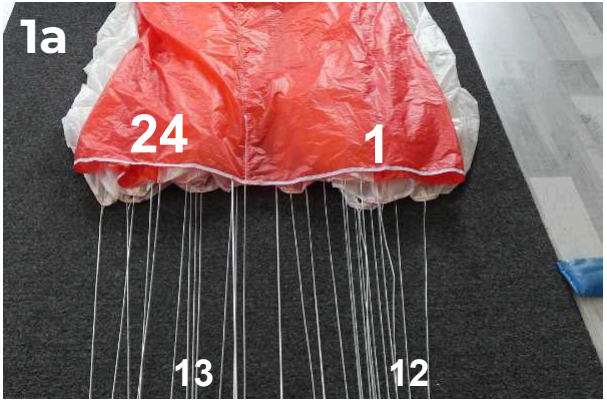
Unnecessary exposure to UV rays, heat and humidity should always be avoided. Store all your paragliding equipment in cool, dry place, away from solvents such as grease, acid, oil, paint or abrasive materials. If the reserve gets wet/damp, it needs to be dried as soon as possible (try to avoid sun). If the reserve is stored wet, mould may form and the fibres can rot. This will make reserve parachute unsuitable.

In case of dirt you can clean canopy or container with warm fresh water. After cleaning it is important to let it dry completely before repacking.
In case of correct use, regular repacking and inspection, life span of reserve parachute is 12 years. Life span of S 120 is defined by life span of used materials. After 12 years we recommend removal from service.

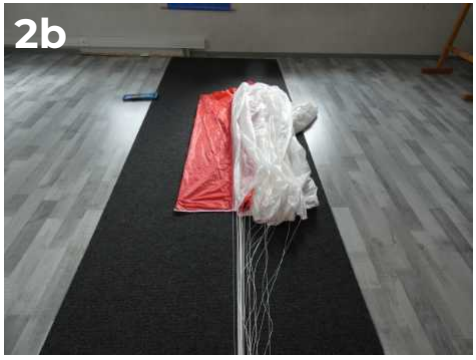
Packing S 120

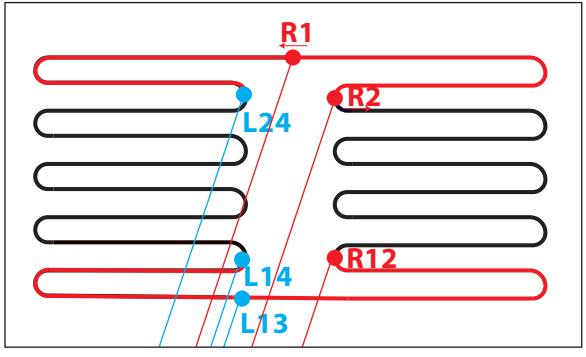
For repacking reserve parachute we use clean and dry surface. First make sure that canopy is dry. Don't repack wet canopy.
Stretch the reserve parachute out to its full length and fix the end of the riser with a weight. Check for irregularities on the main and central lines. Make sure that the lines are not entangled by grabbing firs two main lines next to the central line (first to the left and firs to the right) on the risers, and slowly guide them to the canopy. They should go separately all the way from the riser to the canopy. Check the numbers on the canopy. Number 1 should be facing up on the left and right.





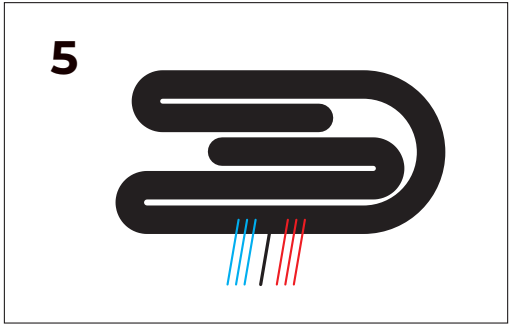
Divide canopy in to two parts, one should start with number 1 and end with number 12 the other should start with 13 and end with number 24 .
Lines must be separated in to **left main** lines, central line and **right main** lines **figure 1**.

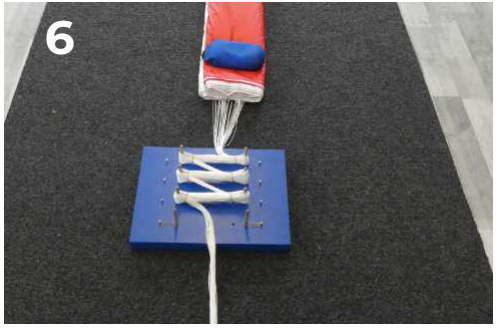




We begin folding at panel 10. Each panel must be stretched out to square shape as shows **figure 2**. We repeat process until we get to the panel number 1 (2a). We repeat procedure on the other site as is shown on **figure 2b**. While folding panels check for damages or any other irregularities. Once both sides are folded as shows **figure 3**.

Fold right site as shows **figure 4.** Make sure that lines are in the middle of the package.

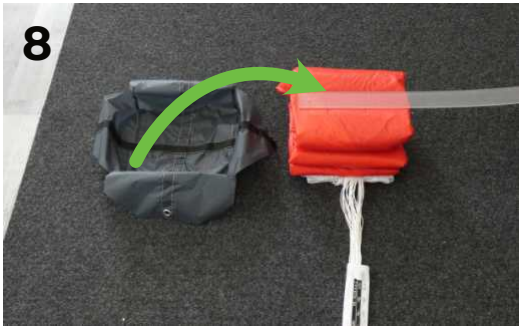


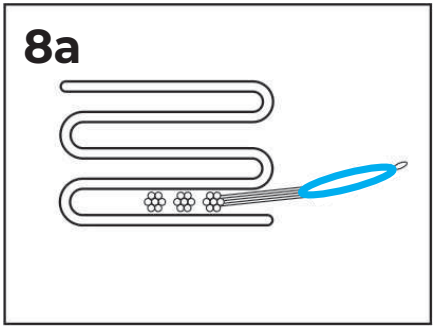


Repeat on the other site as shown **figure 5.** Fold so that the width of the canopy is the same from the top to the bottom.

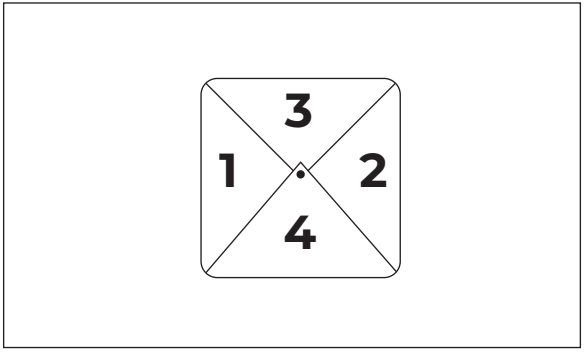
Fold lines in double Z configuration as shows **figure 6**. Secure each with elastic band.

Folded and secured lines carefully put to the bottom of the folded canopy as shows **figure 7**. Lines shouldn't look out of the folded canopy.





Stew the canopy in a Z configuration (**figure 8a**) so that the skirt is atop the folds in the inner container. Close inner containers flaps with rubber closing loop attached to the one of the flaps. Make a final loop with left lines and secure it with closing loop. Make sure that the whole line jacket is out of the inner container as shows **figure 9.**



Model: S 120 Date:

Serial number:

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