

# DONUT

## Alternative Packing Instructions

### DONUT 220

EN V01 2022-06

This document is an addendum to the AirDesign Donut User Manual, and does not replace it. It only shows detailed additional packing instructions for the Donut 220 tandem rescue. Please refer to User Manual for official, maintenance, control, and all safety instructions.





Specifics : the Donut 220 is equipped with packing loops.

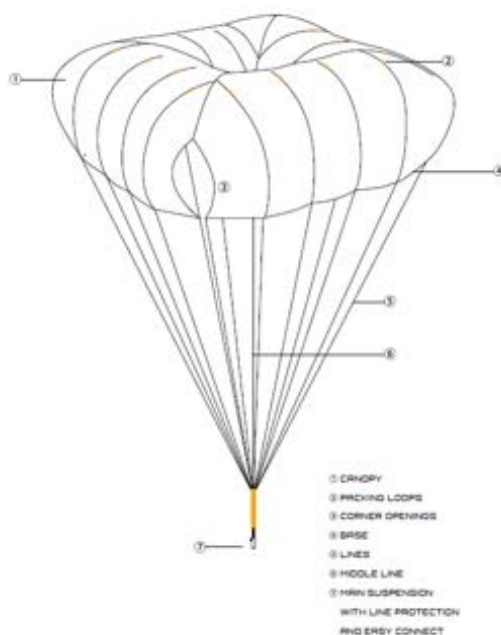
Only the Donut 220 qualifies for two-seated flying or paramotor using. It is the only size and unit which holds the valid and appropriate certification.



## 1 EQUIPMENT DESCRIPTION

The *Donut 220* consists of 4 components:

1. the cross-canopy
2. the suspension lines (side and middle)
3. the riser
4. the Inner container



## 2 PACKING INSTRUCTION

### 2.1 PACKING REQUIREMENTS

Before the re-pack of the rescue, it is to be checked by the packer. If the parachute has been opened for a rescue, a complete check-over is to be made. Before re-packing the *Donut 220* it should be aired out minimum 12 hours and optimal 36 hours before repacking.



#### PLEASE NOTE

The packer needs to have finished at least one packing course for cross canopy rescue systems. But we strongly recommend, to let the rescue parachute be packed in an authorized company.



## 2.2 LAYING OUT & UNTANGLING

The packing should be made on a packing table if possible, but the minimum requirement is a clean, anti-static surface. The parachute has to be stretched to its overall length.



Afterwards a line is pulled through the color coded packing loops and mounted at the top of the packing table. It is important to take care that no loops are forgotten. At the bottom end of the table the main suspension is fixed and the parachute is tightened. The lines will be checked on straight and parallel course.

Therefore the lines are checked from the base to the main suspension e.g. #1 and #12 are run through the fingers. Any tangles are removed. The canopy has four corners, when packing the first of them needs to face downwards, one left, one right and the last is lying on top.



### 3 HOW TO PACK

1. Thread and fix the Packing loops one by one

REMEMBER TO REMOVE ALL LINES OR RODS USED FOR FIXING PACKING LOOPS BEFORE FINISHING



2. Stretch the parachute to its overall length



3. Fix the bridle and tighten



4. Check the line for straight and parallel course





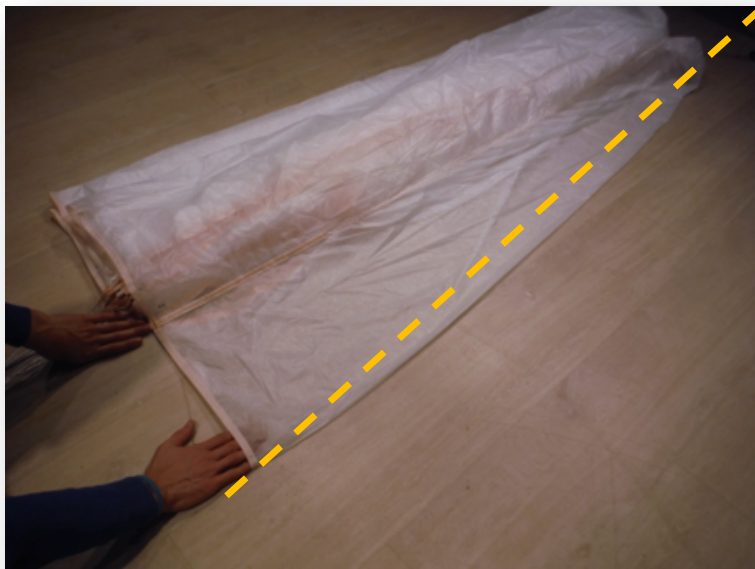
5. Sort canopy - lay panel 1 to the right



6. Bottom layer – corner cut out place in the middle so the first panel lay conical on the right



7. Smooth down layers and edges



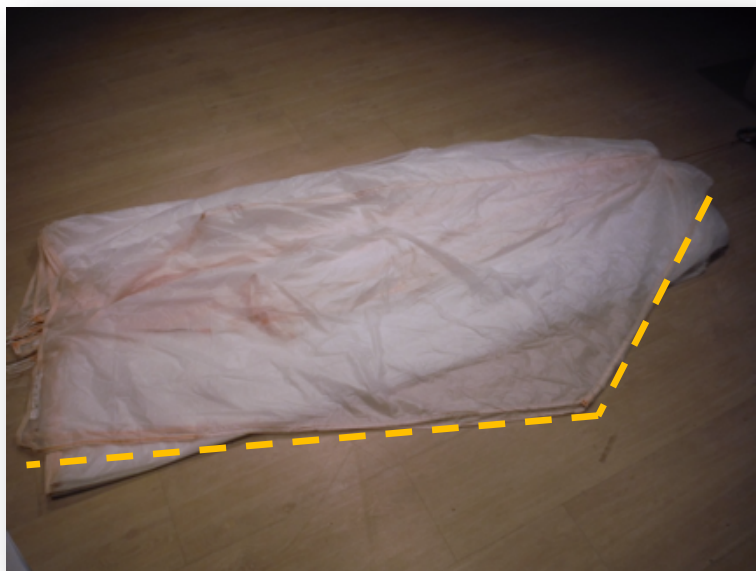
8. Pay attention to diagonal course of the inner fabric folding



9. Now put panel after panel to the right preferably without wrinkles. after four panels follows the next corner panel



10. Pull out the corner panel or rather the corner according to the picture. Repeat as above with the next 4 panels



11. Lay the last cornerpanel in the middle, weigh down the right side



12. Place the left side on the right, then place panel on panel like the right side



13. Center needs to be spared



14. Check the panels, there need to be the same amount left and right.



15. Donut 220 has 28 panels

At this stage, 14 panels should be on left side, 14 panels on right side.



16. After the s-flap the protruding corners are folded forward and backward



The canopy is now adjusted to width of the container with the s-flap



REMEMBER TO REMOVE ALL LINES OR RODS USED FOR FIXING PACKING LOOPS BEFORE FINISHING



18. The folded rescue is now brought to the size of the container using small s-flaps



19. Completed packing of the canopy.



20. Install into the container upside down, the base edge needs to be on top!



21. The lines should now be placed with narrow S-curves to a tower



22. The width of the S-turns should be a bit shorter than the container side.



23. The inner container is placed on top of the existing S-turns. The slot of the inner container should look towards the lines.
24. The inner container should be closed now with the lines. Note that the central rubber closes first. First the slot and after the line container flap, after you close both sides of the line container flap. Laterally projecting loops of the lines should be kept as small as possible.



25. The cover sheet of the inner container should be closed with the rubber at the end of the slot and a final short line loop. The product is now ready for installation into the harness. The connection of the system to the harness shall be made following the recommendations of the harness manufacturer (harness manual). The riser of the Donut should be connected to the suspension point of the harness.



ARE YOU SURE YOU HAVE REMOVED ALL LINES OR RODS USED FOR FIXING PACKING LOOPS BEFORE CLOSING ?

26. The rescue system is connected to the harness using 7mm SS maillons or lark's head knot. It can be locked with an O-Ring, **never with tape or any chemical / glue.**



PLEASE NOTE

A trial release needs to be performed after every re-packing. The opening force has to be between 5 and 7 daN. The volume of the packed rescue parachute depends on the quality of the packing and the possible compression by the harness.