



# PRO GUIDE

/ TAPA X-ALPS

**TABLE OF CONTENT**

<b>1</b>	<b>Introduction</b>	<b>3</b>
<b>2</b>	<b>Description</b>	<b>4</b>
<b>3</b>	<b>Technical Data</b>	<b>4</b>
<b>4</b>	<b>Materials</b>	<b>4</b>
<b>5</b>	<b>Construction</b>	<b>5</b>
<b>6</b>	<b>Connect the reserve chute to the harness</b>	<b>6</b>
<b>7</b>	<b>Packing Instruction</b>	<b>7</b>
<b>8</b>	<b>Closing words</b>	<b>15</b>



**1 INTRODUCTION**

**Welcome to skywalk!**

Congratulations on the purchase of your new TAPA X-ALPS and thank you for your trust in us and in our products. In this manual you will find product-specific information that will help you quickly get to know your new rescue system.

General information about the most important safety-relevant points for handling your rescue system can be found in the attached „BASIC GUIDE“, which you can also download at:

<https://skywalk.info/downloads/download-category/manuals/>

We are always open for questions, comments or critique and are happy to provide you at any time with further information!

**Your skywalk Team**  
 PURE PASSION FOR FLYING

Edition 1.1 / 07\_2022

The latest version of the manual can be found on [www.skywalk.info](http://www.skywalk.info)

## 2 DESCRIPTION

The skywalk TAPA X-ALPS is characterized by high reliability and strength, fast opening time with low sink rate, high pendulum stability, ultralight weight and minimal packing volume. Its symmetrical design reduces drift to a minimum, directional flight is not specified.

The TAPA X-ALPS reserve chutes are cross-cap centerline reserve chutes with retracted apex and divided panels. Optimized layout and differentiated air permeability due to special processing and material mix result in a reserve chute of the most modern design. The lightweight materials used require a certain amount of care in handling. With careful handling, the rescue chute will still be in top condition after many years.

## 3 TECHNICAL DATA

Size	90	105	125
Area (m <sup>2</sup> )	24,80	28,05	32,59
Number of panels	20	20	20
Line length (m)	4,10	5,80	6,74
Weight (g)	784	895	1070
Sink Rate (m/s)	5,30	5,30	5,35
Maximum load (kg)	90	105	125
Minimum load (kg)	50	50	50
Nr. of EN-certification	EP 306.2020	EP 322.2021	EP_339.2022
Packing volume (l)	2,0	2,6	2,9

## 4 MATERIALS

Sail: NYLON 6.6 10D ripstop  
 Lines: LIROS DC201 & DC161, rescue line 1628/29  
 Webbing: 9,5mm PA  
 Rubber bands: Rubber ring on silicone base (Rainbow LOOM)  
 Main suspension riser: Dyneforce 78 Shield Solid 4 mm

## 5 CONSTRUCTION



- 1 – Canopy
- 2 – Lines
- 3 – Corner openings
- 4 – Center line
- 5 – Packing loops
- 6 – Loop for rescue handle
- 7 – Rescue-connection bridle

## 6 CONNECT THE RESERVE CHUTE TO THE HARNESS

To connect the reserve chute to the V-line, you must use an oval screw shackle with at least 2400 daN breaking load. The lines have to be secured on both sides of the screw-shackle with rubber bands by means of Larks Head knot (1), with fixing tape or a neoprene socket against fraying and abrasion.

As an alternative, you can directly connect the bridle and the V-line (2).



To protect the connection from external influences and to fix it additionally, it is advisable to use the neoprene cover supplied. Slide this onto the the connection line of the harness or front rescue before you start the connection.

After you have connected the rescue system to one of the two above-mentioned, the last step is to cover the connection with the neoprene cover.

It is important to ensure that the connection is centered, both connecting lines that lead to the shoulder are of the same length. If the harness does not have an integrated attachment possibility for the reserve chute on the shoulder straps, then the reserve chute connecting line can also be attached to both main carabiners.

## 7 PACKING INSTRUCTION

All skywalk TAPA X-ALPS paraglider reserve chutes are inspected and packed in skywalk's manufacturing facility. It is recommended that the reserve chute will be repacked once again by a suitably qualified and experienced specialist before installing in the harness.

The effectiveness of the reserve chute and its ability to save lifes depends on proper packing. If in doubt, or if you have any questions, please contact your flight instructor or skywalk dealer.

**Tip:** You will find a detailed packing instruction on Youtube:  
<https://www.youtube.com/watch?v=1HY9F1pFeek>

### PREPARATION

- Before repacking, the reserve chute must be aired out, ideally for 12 hours in a cool, dry room.
- The packing area must be large enough, clean, level and dry.
- The reserve chute must be subjected to visual inspection and checked for damage to the canopy, the lines, the suspension points and the softlink.



**YOUR LIFE DEPENDS ON THE FUNCTIONALITY OF YOUR RESCUE IF YOU HAVE TO USE IT. IMPROPER HANDLING, INCORRECT INSTALLATION, IMPROPER STORAGE OR INCORRECT PACKING CAN HAVE FATAL CONSEQUENCES. IN CASE OF DOUBT, ALWAYS HAVE IT PACKED BY A SPECIALIST!**

**PACKING PROCESS**

**Follow the steps below to pack your rescue chute:**

1. Use a piece of line to thread the 20 packing loops together. Don't forget the four corner loops mounted slightly further back on the panels.



2. Secure the packing loops for now and pull on the main riser and the attached loops until it is tight.



3. The TAPA X-ALPS is a cruciform rescue parachute with four corner points, so lay out the canopy with one corner at the bottom, one on the left, one on the right and one on top. Start with the first corner at the bottom and smooth the material by running your hand along it on the table.



4. Pull the base from one line attachment point to the next along the seam to the side you are sorting and smooth the crossed panel. A line separator and a weight will help to secure the already sorted lines.

5. Now lay out the next panels in a rectangular fashion. They will be slightly easier to lay out.



6. Now comes the corner that points to one of the sides. This is also to be laid out in a crossed fashion, as in the picture.

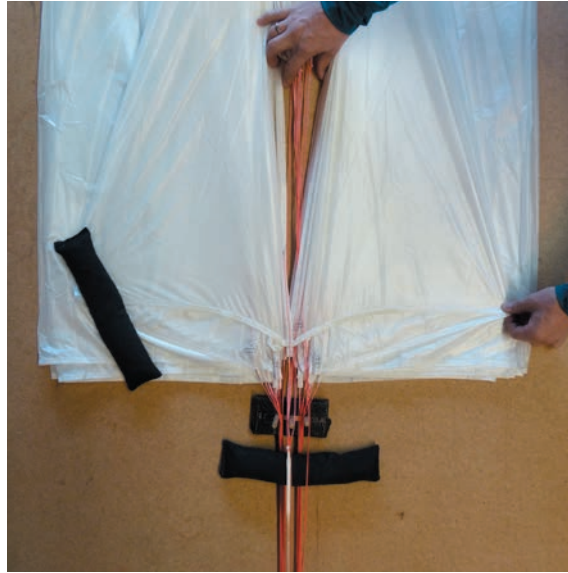


7. Next, you will again encounter rectangular panels until you reach the next corner, which is now the uppermost and last one on this side. Make sure you leave an open channel through so you can see the table underneath. We will come to this later.



8. Now repeat steps 4 to 7 for the second side.

9. Now return to the channel and run your hands along the connecting points of the middle lines until they are free of the material.

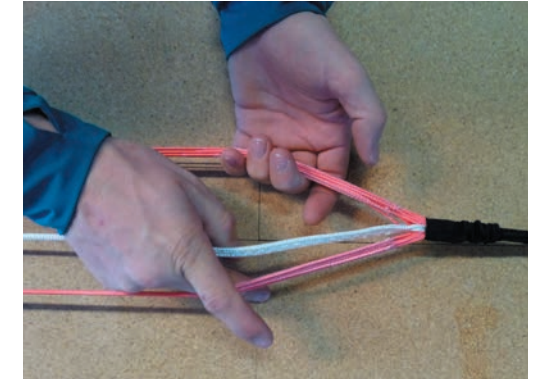


10. The extra material simply can be pushed up inside the channel as in the picture. The reason for this is to prevent the material from burning during a deployment.

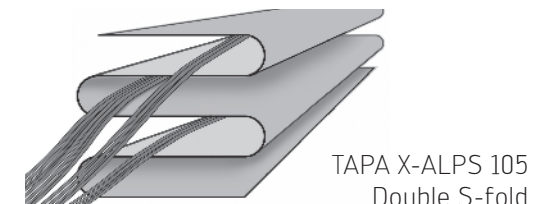
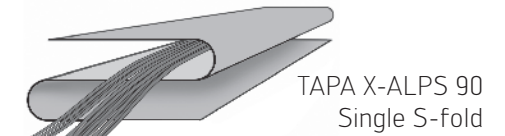


11. You are done with the sorting of the panels.

12. So now you can inspect the middle line towards the main riser to see if the middle line is free.



13. Now fold the reserve chute with an „S-fold“ corresponding to your size and place the rescue container that the rescue flap with the rubber loop looks to the side (seen from the base).



**14.** Now place the reserve chute like a snake in the container, take care to use the full length and width.



**15.** Now close the first three rescue flaps and secure them with a small line loop. This method will avoid burns from a deployment later since the bundle of lines will be released first and will not come in contact with the material.



**16.** Starting at the main riser, loop the line bundles in the shape of a figure-eight. Use siliconebased rubber rings to fix the line bundles. Make sure that there is no line knot in the line loop. Make sure to leave approx. 30 cm free to the first figure-eight. This length is needed for the final line loop.



**17.** Place the line bundles in the fourth and final rescue flap and secure it with the remaining line length from step 16.

The rescue system is now packed!

## 8 CLOSING WORDS

The skywalk TAPA X-ALPS LIGHT is at the pinnacle of development in the market for ultralight square rescue systems. It cost us a lot of time to develop this rescue, but it was also a lot of fun. In this development we recognize the challenge of making the right product for every area and individual taste.

We wish you a lot of fun while flying, that you finally will never need your rescue chute and **HAPPY LANDINGS!**

Your skywalk Team



**Skywalk GmbH & Co. KG**

Windeckstr. 4 | 83250 Marquartstein

+49 (0) 8641/69 48 0

[info@skywalk.org](mailto:info@skywalk.org) | [www.skywalk.info](http://www.skywalk.info)

**SKYWALK**

   PURE PASSION FOR FLYING