



*ICARUS TX2 Tandem Annex –v.2 - Jan 2018*

# ICARUS TX2 Tandem Main Canopy

## SPECIFICATIONS

Presently, three sizes of the ICARUS TX2 Tandem Main canopy are available.

TX2 Specification	310	330	365
Span (m)	8,59	8,86	9,32
Central Chord (m)	3,4	3,5	3,68
Tip Chord (m)	2,82	2,91	3,07
Area (sq.ft.)	310	330	365
Aspect Ratio (elliptical)	2,56	2,56	2,56
Weight (lbs)	12,4	13,6	15,6
Max Suspended Weight (lbs)	500		
Canopy Fabric	ZP		
Lower Steering Lines	Vectran 1600		
Suspension Lines	Vectran 1050 (standard)		

## ASSEMBLY

Your canopy should be assembled and connected to the harness/container system by a properly rated and certified parachute rigger. The rigger should also agree that your choices for risers, toggles, bridle, deployment bag, pilot chute, harness/container and other components are all compatible with each other as well as with your new ICARUS TX2 Tandem Main canopy.

## ASSEMBLY DROGUE ATTACHMENT

OTEC870039 – TANDEM TX2 DROGUE ATTACHMENT

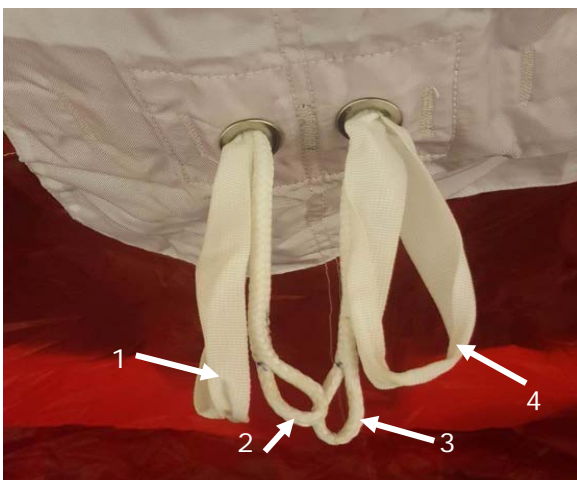
### Purpose:

To provide detailed instructions describing how to do the assembly of the Tandem TX2 drogue attachment.

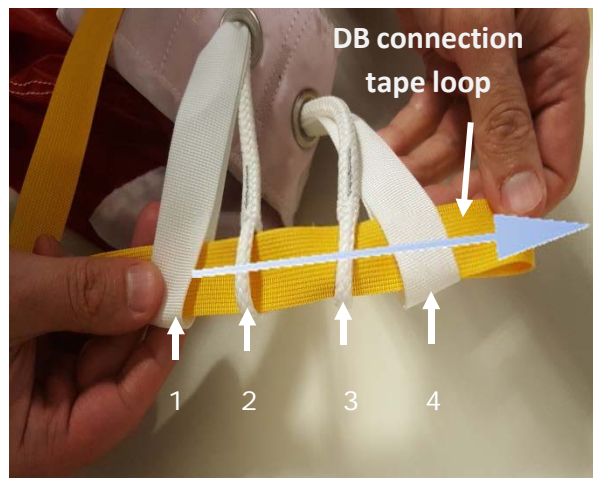
### Applicability:

This technical order is applicable to the following canopies: P/N 317525-XXX TANDEM TX2.

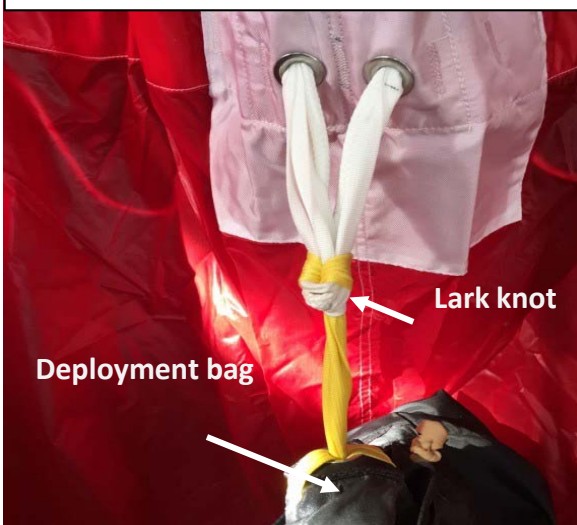
### Procedure:



**Fig. 1.** Locate (central top) the bridle attachment point composed by two tapes (1)(4) and two Dacron lines (3)(4).



**Fig. 2.** Pass the end loop of the deployment bag connection tape through the two tapes and the two Dacron lines as shown.



**Fig. 3.** Pass the deployment bag through the end loop of the deployment bag connection tape forming a lark knot.

## PACKING THE ICARUS TX2 TANDEM MAIN CANOPY

We recommend the use of the Pro Pack for ICARUS TX2 Tandem Main canopies. Other packing methods are allowed.

The ICARUS TX2 Tandem Main canopy has no brake setting. Simply place toggles on velcro / snap on risers.

## CARE

In addition to regular inspections of every detail on your ICARUS canopy, proper care requires you to treat it carefully during everyday use. The fabric used in its construction is amazingly strong and lightweight-but will lose both strength and porosity if it suffers physical abuse. Any abrasion, fluid contact, extreme temperatures or exposure to direct sunlight will cause some degradation in its strength and/or porosity. Avoid subjecting your canopy to any of these conditions.

### Icarus' Bane: Run from the Sun

The Sun warms us and feeds us and lights our way, but the Ultra Violet radiation weakens everything it shines upon. One of the most affected materials is nylon. In fact, according to Dan Poynter's *The Parachute Manual*, "many sport parachutists pack outside in the sun. If we assume that their canopies are exposed 15 minutes each time, then after 280 jumps, the assembly has been in the sun the equivalent of seven 10-hour days which is probably enough to lower the strength 50%. And this does not include the 2 minutes per jump when the entire parachute is exposed."

*Do not expose your canopy to the sun's harmful UV radiation any more than absolutely necessary - it will last longer and retain more of its strength when shielded from UV.*

### Keep it Up

*It has been said that the only substance not harmful to a nylon canopy is air (specifically, dark air). One very bad habit is that of dragging the canopy from the landing spot to the packing mat. Don't become guilty of such careless treatment, because the penalty can be a severely reduced canopy life, as well as a possible loss of structural integrity due to the abrasion. Always pick up the entire canopy and all the lines after landing, and carry them to a clean storage or packing area, away from sunlight. Protect the canopy from any contact, especially abrading or contaminating environments.*

## Keep it Dry

*ICARUS recommends you never allow the canopy to get wet (even sweat). Do not wash the canopy. Washing increases the fabric's porosity substantially, which can slow down openings and degrade performance. Do not intentionally jump the canopy in the rain or into water.*

*If your canopy becomes soiled, you will have to decide whether washing or the presence of dirt is most more harmful. If you get the canopy wet, hang it to dry in a low humidity area away from sunlight.*

## "The Trunk Ate My Canopy."

*Be careful where you choose to store your canopy for long periods. Never store your gear where prolonged heat is such a factor, such as the trunk of a car. Nylon is very unforgiving of high temperatures.*

## MAINTENANCE

### Preflight Inspection

Prior to packing the canopy, check the following items:

### Bridle Attachment Point

Check the bridle attachment to the canopy, and check all seams and reinforcing tapes in the bridle attachment area.

### Canopy

Free from holes, rips or snags. Check for broken stitch rows along the seams and on the tapes. All reinforcement tapes must remain well secured.

### Slider Stops

Missing or damaged slider stops can trap the slider during deployment, and prevent it from travelling down the lines.

## Links

Connector links must be secure and undamaged. It is important to check the links frequently. Do not over tighten metallic quick links, as over tightening could strip the threads and split the barrels.

## Slider Bumpers

Check the bumpers to make sure they are properly secured. Missing or damaged bumpers may allow the inside of the grommets to rub against the links; when this occurs, the grommets can develop abrasive inside edges which can weaken or cut through the lines as the slider travels down.

## Slider

Check the slider to make sure the grommets remain smooth and firmly in place within the reinforcement tape. Also watch for tears or picks in the fabric, broken stitch rows, and loose reinforcement tape.

## Lines

Check the lines for areas which are frayed. Pay special attention to the line attachment points (on the airfoil), steering lines, cascades and the link attachment points.

## Repairs

Small rips or tears in the open area of the canopy may be repaired in the normal manner. (See your rigger or loft.) For more extensive damage or if you are in doubt, contact ICARUS Canopies ([www.icarusworld.net](http://www.icarusworld.net)).



## Modifications

Any owner or rigger modification of ICARUS products is **not approved under any circumstances** and voids all guarantees from the manufacturer.