



Two-Loop Main Closing System for the Dual Hawk Tandem

Kit PN 480055

The Two-Loop Main Closing System has been developed over a six year period as a safety mechanism to eliminate premature opening of the main container. It is a unique system that is both simple and effective in achieving its goal.

Premature openings of the main container have occurred as a result of a broken closing loop, improper tolerances in pin spacing, interference of the kevlar bridle with the pin bridle, or by over-stretching the harness / container assembly while deploying the drogue in a head down attitude. In some instances the D-bags have not been held in the container due to wear of the tuck tabs on the Spandura® flap system.

In order to address the above mentioned abnormalities Strong Enterprises has developed what they consider to be the necessary tool to eliminate these occurrences.



Description:

- A type IV tape anchor is attached to the Kevlar ring bridle just above the ring. The long flex pin is larks headed onto this anchor.
- The flex pin is routed through a metal cable housing which is hand tacked at the edge of the drogue riser at one end and to the main top flap at the other end.
- A 2nd grommet is inserted into the top flap in line with the existing grommet.
- An extension with a grommet and a 2nd loop is sewn to the main lower flap.
- The 2nd loop on the lower flap extension is inserted through the 2nd grommet on the top flap.
- The flex pin exits the cable housing and is inserted through the 2nd closing loop.
- The 1st loop on the lower flap is inserted through the 1st grommet on the top flap, then through the grommets in the right then the left side flaps.
- The flex pin is then inserted through the 1st closing loop.

Notes:

- The flexible closing pin is protected by a hard housing from outside interference that could cause premature extraction.
- The closing pin can only get pulled by the released drogue during normal deployment of the main.
- The 2nd. loop keeps the container closed if the 1st. loop were to break.

The Two-Loop Closing System (PN 480055) is available at Strong Enterprises. It is compatible with all models of the Dual Hawk and may be installed by a Senior Rigger or foreign equivalent.

Installation Instructions

Installing the Type IV Pin Anchor Tape:

1. Rip out stitches in the label "This side faces reserve container" back to the bar tacks.
2. Lay the flexpin anchor tape on top of the three point. Align the mark on the anchor tape with the edge of the Kevlar bridle.
3. Attach the anchor tape to the Kevlar ring strap with
 - a) 3 rows of zig-zag Nylon V-T-295, size 69 (E) thread,



~ or ~

- b) single needle 4-point with Nylon V-T-295, size 138 (FF) thread.

4. Resew the “This side faces reserve container” label in place.
5. Larks head the 20.25” flex pin onto the Type IV pin anchor tape.



Modifications to the harness/container for the Two Loop Closing System.

1. Installing the flex pin cable housing:

- Mark and make a hole at the location where grommet is to be installed. Location should be on the top flap, in line with and 2 1/4” behind the original grommet. Grommets should measure 2 1/4” center to center.
- Place terminal end of housing over the hole and set grommet through terminal end of housing. (Depending on your grommet setting tool you may need to invert grommet and washer, should that happen the washer spurs need to be flattened prior to setting.)
- Hand tack terminal end of housing. Make eight turns of hand tack around housing in direction of housing channel and tie off to hold in place. Cut excess hand tack thread.
- Taking a 2 3/4 inch piece of 1” Type IV create a 1” loop and mark at 5/8” from outside edge.
- Using Type E thread Bartack loop to end of drogue riser near 3 ring assembly, **or** make four passes with a medium duty machine to attach loop to end of drogue riser near 3 ring assembly.
- Pass open end of housing through loop and hand tack the drogue riser end of housing in place. Make eight turns of hand tack around housing in the direction of the housing channel.

*For more detailed info see SE Doc 510230

2. Installing the lower flap extension:

Attach the lower flap extension (Type XII with ‘0’ grommet) to the inside of the binding tape of the main lower flap and in line with the original ‘0’ grommet. Use 3 passes of Nylon VT295 Size 138 (FF) thread. The grommets should measure 2 1/4” center to center.



Parts list, kit Number: 480055

Qty	Part Number	Description
1 ea.	343354	Lower closing flap extension with the new 'O' grommet installed
1 ea.	480033	Flex pin anchor tape (Mil-T-5038 Type IV, 1") folded and sewn
1 ea.	580260	Instruction, Two Loop Closing System
2 ea.	780019	Flex pin, 20.25" (515 mm) long
2 ea.	861017	Closing loop, main 2" (50 mm)
1 ea.	916083gro/was	Long Barrel grommet and washer, Spur "O", stainless steel
1 ea.	918730	11" x 1/4" (280 x 6mm) Housing with terminal end
1 ea	944080	Piece of 1" Type IV cut at 2 3/4"

**If you have any questions about installation of the Two Loop Closing System, please contact Strong Enterprises.
1-800-344-6319**

**This instruction is available in color on the web:
www.strongparachutes.com/pages/inf_Strong_manuals.php
as a downloadable .pdf file.**