

**Procedure for setting the reserve closing loop  
Designed for packing and closing the container part  
of reserve parachute**

- without Automatic activation device AAD
- with Automatic activation device AAD:  
m2, CYPRES, VIGIL

**For container part OP-093/01 (Student 01)**

**For container part OP-087 (MarS I)**

**For container part OP-103 (Real-X)**

**For container part OP-095 T (MarS-T)**

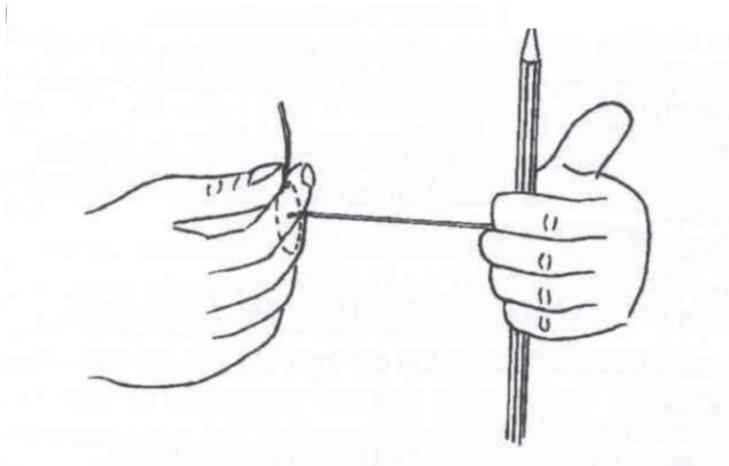


1. edition

In Jevíčko 01/2013

**1. Pre-stretching the reserve closing loop of the reserve parachute (hereinafter referred to as the closing loop)**

Perform the pre-stretching of the closing loop by attaching the reverse side of the closing loop by means of suitable method (e.g. clove hitch) to suitable aid tool and manually pre-stretch the closing loop with approx 300 N force of the applied closing loop.



**2. Procedure for threading the closing loop of the reserve parachute to the mat**

**a) Without Automatic activation device AAD**

Insert the pre-stretched closing loop to the mat attached by usual way.

**b) With Automatic activation device AAD**

Insert the pre-stretched closing loop to the mat attached to the applied device using a method specified in the device manual.

**3. Installation of the closing loop to the reserve parachute container part**

Install the closing loop by means of specified method to the reserve parachute container part.

**4. Applied tools for packing and closing the reserve parachute container part:**

Additionally to the basic packing tools (packing bar, auxiliary packing needle, tool for threading the auxiliary packing cord through the pilot chute) it is permitted to use auxiliary packing tools (e.g. packing pin) for simpler closing of the container part flaps of the reserve parachute.

**5. Packing of the reserve ram air canopy to the reserve parachute container part**

Place the webbings of the reserve parachute and folded reserve canopy placed in the free back by means of the specified method to the container part of the reserve parachute.

Use the packing line to thread the closing loop through the grommets in the free bag and through the container part flaps of the reserve parachute number 1 and 2. Secure the closing loop by means of auxiliary packing needle. Thread the auxiliary packing line through the applied pilot chute. Place the free bag connecting binding by means of specified method and place the pilot chute to the specified location.

### **6. Placing the round reserve canopy to the reserve parachute container part**

Place the webbings of the reserve parachute and folded reserve canopy by means of the specified method to the container part of the reserve parachute.

Use the packing line to thread the closing loop between the folds of the folded round reserve canopy and container part flaps of the reserve parachute number 1 and 2. Secure the closing loop by means of auxiliary packing needle. Thread the auxiliary packing line through the applied pilot chute. Use the pilot chute to thread the auxiliary packing needle and place the pilot chute to the specified location.

### **7. Placing the pilot chute to the reserve parachute container part**

Press the pilot chute, release the pilot chute canopy material and secure the compressed pilot chute in the specified position by means of auxiliary packing needle. Place the released material of the pilot chute canopy by means of specified method on the pilot chute periphery. Secure the auxiliary packing cord and the pilot chute with the packing part of the reserve parachute by means of suitable method on the packing mat.



The photo of the packing mat

Pre-stretch the auxiliary packing line by force approx  $220 \div 240$  N and measure the distance between the upper grommet end of the applied pilot chute and the closing loop top.

If the container is packed:

**a) Without Automatic activation device AAD**

Measured distance should be between 17 mm and 22 mm.

**b) With Automatic activation device AAD**

Measured distance should be between 25 mm and 30 mm.

If it is out of this range, adjust the closing loop length!

Close the container part in accordance with the instructions manual. After closing the container part, perform the force inspection required for shifting the closing needle of manual ripcord pin of the reserve parachute. If the force is over 45 N, extend the length of the closing loop.

The resulting force required for threading the needle must be between  $32 \div 45$  N, which ensures that upon pulling the manual ripcord pin of the reserve parachute, the force specified by the standards will not be exceeded.