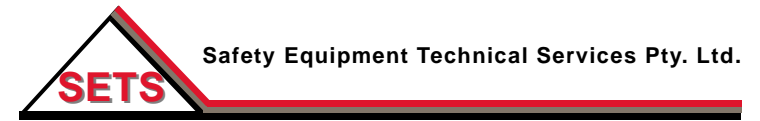


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## **Extension Strop User Manual**

### **Applicable Models**

STPX [K]

This user's manual is provided for use with the Extension Strop and provides operating and maintenance procedures to be used by the operator/user in using and caring for the Extension Strop.

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**CAUTION**

If the Karabiner is dropped from a height of 3 mtr or more, it should be considered unserviceable and be removed from service immediately and replaced.

8 Overhaul

Overhaul and Repair of the SETS Extension Strop may only be undertaken by SETS.

9 Life Limit of the Extension Strop

Under normal usage, the Extension Strop has a ten (10) year life from the date of manufacture.

**CAUTION**

If the extension strop is subjected to a drop of 1.8 mtr (its entire length), with a load attached, it should be retired from service.

- c) after immersion in salt water, thoroughly rinse the entire extension strop in warm water until there is no evidence of salt contamination. Wash the karabiner with clean water and a mild cleaning agent.
- d) always leave the extension strop to dry naturally by hanging on rack out of direct sunlight or artificial heat sources, air conditioners etc.
- e) the hardware may be periodically lubricated by applying the lubricant to a cloth and lightly wiping over the hardware. Lubricate the moving parts of the karabiner with a drop of oil.
- f) the webbing used in the extension strop loses some strength when it is wet. Use of the extension strop whilst wet is inadvisable.

## 7 Service Inspection

Each extension strop is required by the manufacturer to have undergone a service inspection in the six (6) month period prior to use.

If the extension strop is subjected to a shock load, the entire assembly should be removed from service for evaluation prior to further use.

If the Karabiner is subjected to a drop of 3 mtr or more it should be removed from service and replaced.

## 1 Limitations of Use

The extension strop, model number HW-STPX [K] is only to be used in accordance with the instructions in this manual.

The extension strop should only be used in an aircraft if it has been previously approved into that aircraft under regulation CAR 35 or equivalent.

The extension strop is not a 'seat belt' or designed for restraint or carriage of any human load.

### **CAUTION**

Any modifications, repairs or additions to the Extension Strop must be approved by SETS prior to use.

## 2 Description

The extension strop is a 1.8 m length of webbing with a 'D' ring attachment hardware on one end and a sewn loop on the other end.

The extension strop is used in conjunction with a karabiner, which has a minimum strength of 5 kN. The karabiner is attached through the end with the sewn loop.

The karabiner is hand tacked into position in the 'end loop' to restrict rotation of the karabiner which would lower its overall strength. Tacking the karabiner also stops the removal of the karabiner, which would render the extension strop unserviceable.

**CAUTION**

If any part of the webbing becomes exposed to corrosive or hazardous chemicals, the Extension Strop should be retired from service.



Photo 1: D Ring



Photo 2: D Ring attachment to the winch hook.



Photo 3: Karabiner attachment method 1.

- If there are any corroded, damaged, worn, frayed or contaminated components, webbing or hardware, then the entire assembly should be removed from service for evaluation prior to further use.
- 6 Care of the Extension Strop
- a) If the webbing, stitching or hardware become damaged the extension strop should be repaired according to the manufacturer's requirements.
  - b) If soiled, the extension strop should be cleaned by using the following instructions:
    - if lightly soiled or muddied
      - brush off the area with a stiff brush; and/or
      - wipe down with a damp cloth.
    - if heavily soiled or muddied:
      - wash the entire extension strop in warm water only.
      - if washing in warm water will not clean the area, wash in warm water with a small amount of mild detergent. (eg. Lux Flakes)
      - ensure that the entire system is thoroughly rinsed after using detergent to remove all detergent residue.
      - wash the karabiner with clean water and a mild cleaning agent.

#### 4 Storage

The extension strop should be stored in a secure area free from dirt, oil, grease, moisture, direct sunlight, extreme changes in temperature and rodents.

The extension strop should be stored away from non-aircraft/industrial products.

#### **CAUTION**

Inappropriate storage of SETS Extension Strop may lead to a deterioration of the strength of the webbing.

#### 5 Pre-Use Check

The extension strop should be checked prior to each use. This check should include checking the safe operation of and integrity of the following components and parts:

- Inspect the 'D' ring to ensure that there is no excessive wear and tear, rust or damage to any part of the component.
- Inspect the karabiner to ensure that there is no excessive wear and tear, rust or damage to any part of the component.
- Inspect all webbing to ensure there are no abrasions, cuts, burns or contamination by harmful substances.
- Inspect all stitching to ensure the stitching is intact and that there are no broken, pulled, burnt or missing stitches in any part of the assembly.



Photo 4: Karabiner attachment method 2.



Photo 5: Karabiner attachment method 3.



Photo 6: Karabiner attachment method 3. Winch hook attachment.



Photo 7: Karabiner gate secured. Barrel lock screwed up.



Photo 8: Karabiner gate unsecured. Barrel lock unscrewed.

### 3 Use of the Extension Strop

The extension strop is used to extract and deliver 'cargo', such as survival packs, rescue stretchers and bags etc. which have a maximum weight of up to 80 kg.

- Attach the 'D' ring (refer. photo 1)  
to the winch hook; (refer. photo 2)
- Attach the karabiner:
  - Method 1:  
directly to the cargo handle/strap etc.  
(refer. photo 3); or
  - Method 2:  
Loop the strop securely around the cargo and  
attach it back onto the strop (refer. photo. 4);  
or
  - Method 3:  
loop the extension strop through/around the  
cargo and attach the karabiner to the winch  
hook. (refer. photo 5 & 6)
- Secure the karabiner gate by screwing the gate  
closed. (refer. photo 7 & 8)
- When used in conjunction with a Winch Crewman or a  
Rescue Strop, the extension strop should be attached  
to the winch hook last.