



Diagram 3: Hypothermic Strap



Diagram 4: Chest Strap



## Rescue Strop

# Operating Instructions and Limitations

Applicable Part Numbers:

HW-STP [h]

Australian Technical Standard Order  
(ATSO)

Number: ...C1003...

This operating instructions and limitations manual is provided for use with the Rescue Strop and provides operating and maintenance procedures to be used by the operator/user in using and caring for the Rescue Strop. Installation instructions and limitations are contained in the Installation Instructions and Limitations manual provided to the aircraft.

The ATSO prescribes the minimum performance standards which must be met by a Helicopter External Lifting Device in order to be identified with the ATSO-C1003 marking. It is the responsibility of those wishing to install the SETS Rescue Strop on or within an aircraft to determine that the aircraft's installation conditions are within the ATSO-C1003 standards. The SETS Rescue Strop may only be installed if further evaluation, by the user/installer, substantiates an acceptable installation and is approved by the Civil Aviation Safety Authority.

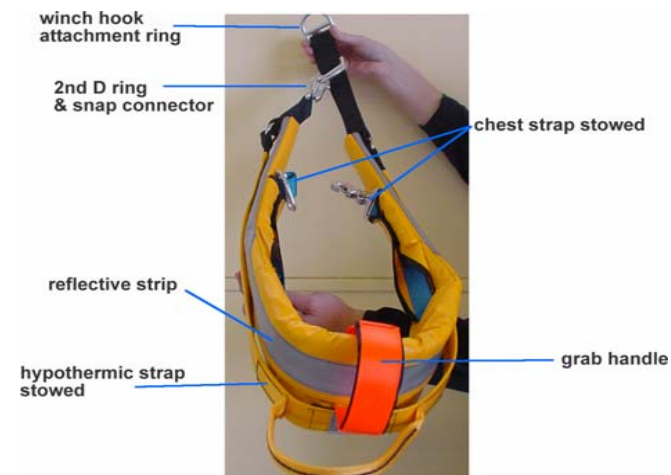


Diagram 2: Main Sling



Diagram 1: Fitting the Rescue Strop

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## 1 Limitations of Use

SETS Rescue Strop, model number HW-STP [h] is only to be used in accordance with the instructions in this manual and the Installation Instructions and Limitations Manual issued to the aircraft.

The SETS Rescue Strop is not a 'seat belt', it is used to transfer personnel and survivors to and from the helicopter.

The SETS Rescue Strop is only to be used by personnel trained in the correct fitting, assembly, disassembly and emergency release of the strop, and who are familiar with the assembly's limitations and guidelines for installation and use as set out in this manual and Installation Instructions and Limitations Manual.

**CAUTION**

Any modifications, repairs or additions to the Rescue Strop must be approved prior to use.

**CAUTION**

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

## 7 Overhaul

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

**CAUTION**

If any component is removed or disassembled for check or inspection, it must be re-assembled correctly to ensure it operates correctly.

## 8 Service Life

SETS equipment has an identification label affixed to it. This label details the date of manufacture, model designation, approvals applicable to the equipment and TX date.

The TX date shows the Time Expire date.

SETS equipment has a life expectancy of ten (10) years from the Date of Manufacture regardless of any repairs which have been carried out during the service life.

SETS equipment should be withdrawn from service after the stated TX date on the label or, if there is no TX date showing, ten years after the date of manufacture.

If the user/installer is unsure as to the TX date of any SETS equipment they should contact SETS for confirmation.

## 6 Service Inspection

- Each Rescue Strop should be checked prior to and after each use as described in 'Pre-Use Check'.
- Each Rescue Strop shall be removed from service for the purpose of a service inspection in the six (6) month period prior to use.
- Each Rescue Strop shall be removed from service for the purpose of a service inspection and re-certification every 12 months from the date of the previous recertification.
- The initial Certificate of Conformance (Authorised Release Certificate) supplied with the equipment from Safety Equipment Technical Services Pty Ltd shall remain current:
  - for 12 months from the date the equipment is first introduced to 'in-service' life; or
  - for two (2) years from the manufacture date.
- The first six (6) month and twelve (12) monthly service, inspection & recertification, shall fall due six months and twelve months respectively, from the date the equipment was first introduced to 'in-service' life.

### CAUTION

If the Rescue Strop is subjected to a shock load, the entire assembly should be returned to SETS with a full report, for evaluation prior to further use.

## 2 Description

Rescue Strop Part No. HW-STP [h]

The SETS Rescue Strop is horse collar type rescue sling attached to the helicopter winch hook.

It has a hypothermic strap attached to the outside of the main sling and a chest strap attached to the inside of the main sling.

## 3 Fitting of Rescue Strop

Place the strop around the personnel's/survivor's upper body, under the armpits.

- a) If the strop is uncoupled, place the strop around the torso and attach the snap to the second (bent) D ring.
- b) If the strop is coupled, place the arms and head through the strop until it is sitting comfortably around the torso under the armpits.
- c) Secure the chest strap by attaching the quick eject snap to the V ring adjuster. Ensuring the rear cover of the snap is pushed home.

### Hypothermic Strap

The hypothermic strap is attached to the outside of the strop between the two O rings located below the main attachment and coupling hardware. This strap is designed to allow a rescuer to lift a survivor in a semi-horizontal position to reduce the risk of post rescue collapse.

To detach the hypothermic strap for use, grasp the large yellow looped handle on the rear, centre of the strop and pull the strap away from the retention loop and pile and bring it around and under the survivor's legs allowing it to rest under the survivor's knees.

#### 4 Storage

SETS Rescue Strop should be stored in a secure area. The storage area should be free from dirt, oil, grease, moisture, direct sunlight, extreme changes in temperature and rodents.

SETS Rescue Strop should be stored away from non-aircraft/industrial products.

#### CAUTION

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

#### 5 Pre-Use Check

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

- Inspect the snaps to ensure that the gates and springs are not worn, bent, broken, corroded or choked with dirt, mud, oil or grease.
- Inspect the adjusters to ensure that the friction bars are fitted correctly and that the knurled bars are not worn and that the hardware is free from dirt, mud, oil, grease and corrosion.
- Inspect all webbing to ensure there are no abrasions, cuts, burns or contamination by harmful substances.
- Ensure that the webbing is routed through the hardware adjusters correctly without twists.
- 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.

#### CAUTION

If there are any corroded, damaged, worn, frayed or contaminated components, webbing or hardware, then the entire assembly should be returned to SETS for evaluation prior to further use.