



**MANUFACTURER INSTRUCTION
&
MAINTENANCE MANUAL
WEAK LINK ASSEMBLIES
MIM 200052**

Issue 1

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General

This manual is provided for use with SETS Weak Link Assemblies and provides operating and maintenance advice for the operator/user in using & inspecting the equipment.

If SETS weak link assemblies are used in conjunction with other equipment reference should be made to the Manufacturer User/Instructions/Installation documents &/or manuals for that equipment for information concerning technical data, instructions for use and operational limitations.

Any break loads given to this equipment are the mean break loads, which have been established by multiple tests on the weak link.

This manual should not be construed as an approval for installation or use of the weak link on an aircraft. It is the responsibility of the operator to ensure that necessary airworthiness and operational approvals of the applicable National Airworthiness Authority (NAA) are in place prior to operation with the weak link assemblies. If clarification is required, contact your local NAA, or authorised person thereof.

AMENDMENT RECORD

1. All amendments to content are to be recorded below;
2. All new content inserted during an amendment will be shown with a vertical line in the margin indicating the extent of the amended portion.

Amendment		Summary	Incorporated	
No.	Date	Sections/Pages Affected	Date	Name
1	02-2024	Original Issue	02-2024	JB
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1. Limitations of Use

SETS weak links are not intended for use for human load.

CAUTION

Any modifications, additions or alterations to any part of the weak link assemblies are not allowed.

If any part of the weak link cord is exposed to corrosive or hazardous chemicals, the weak link assembly should be retired from service.

No repairs are approved to the weak link.

If any part of the weak link cord is worn or damaged, replace the entire assembly prior to next use.

SETS weak links have been load tested to establish a break load (ultimate load).

The Break or Ultimate Rated Load of the SETS weak link is on the packaging. If removed or missing, contact info@sets.com.au for confirmation.

The Ultimate Load or Break Load varies across multiple tests & may vary across different batches of the same type & thickness cord. The SETS Weak Link has been given a break load which is the average of at least 6 tests of same cord & batch.

2. Design & Construction

- i. The SETS weak link assemblies is constructed using a coloured polyester or nylon cord.
- ii. The cord width is 1.5mm, 2mm, 2.5mm, 3mm in White, Red, Black or Yellow.

Storage

- i. SETS equipment should be stored in a secure area which is free from dirt, oil, grease, moisture, direct sunlight, extreme changes in temperature & rodents.
- ii. SETS equipment should be stored away from non-aircraft/industrial products.

CAUTION

Inappropriate storage of the SETS equipment may lead to a deterioration of the cord.

3. Maintenance - General

The recommended maintenance schedules for the inspection of SETS equipment are as follows:

1. Inspection Before & After Use:
 - a. Inspect the cord for any fraying or cuts.
 - b. Inspect the end knots to ensure they are tight & there is approximately 10 to 20mm of cord outside of the knot dependent on cord size.
 - c. The 'larks head' attachment knot should sit past the knot against the ring or shackle.
 - d. The recommended maintenance repair of SETS Weak Link is replacement due to use, damage or wear.
 - e. It is recommended that the SETS weak links are replaced regularly even if the weak link presents no evidence of damage or wear.

4. Saltwater Immersion

Replace the weak link after use in salt water.

5. Fresh Water Immersion

Replace the weak link after use in fresh water.

ASSEMBLY & INSTALLATION

1. Attach weak link to Hi Line or Tag Line end ring:

1.1



1.2



1.3



2. Attach Hi Line or Tag Line end ring to ring:

2.1



2.2

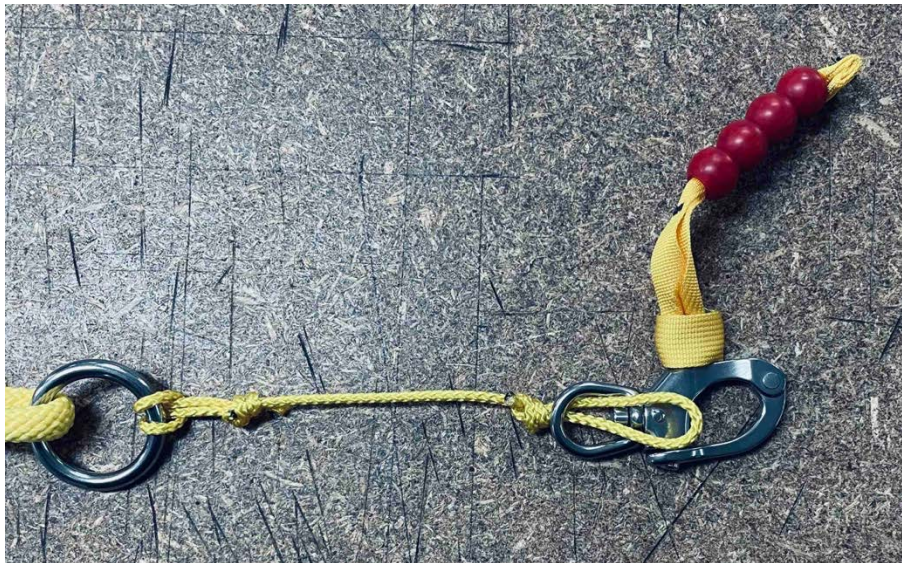


2.3

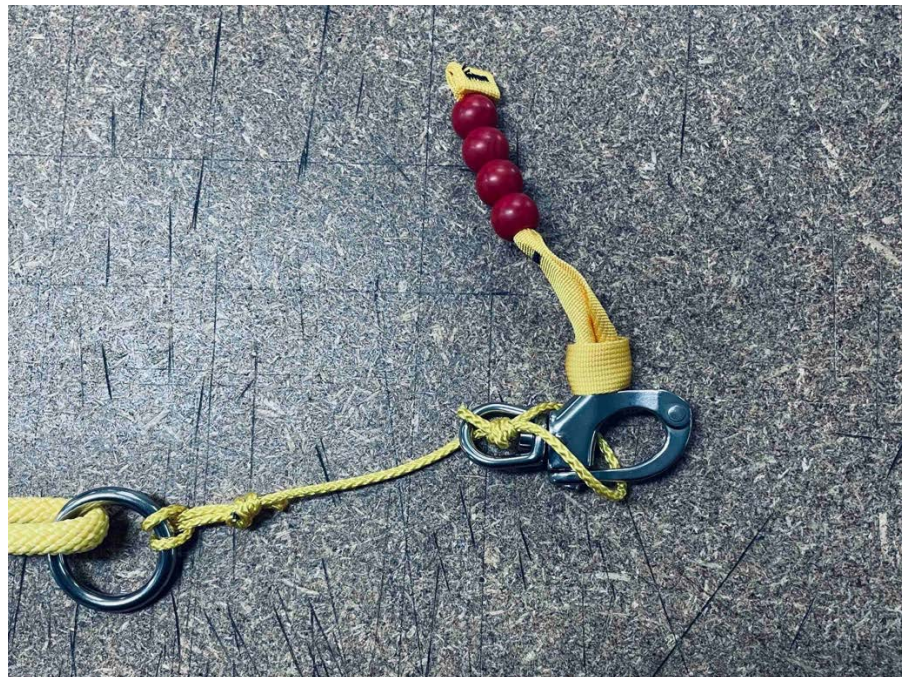


3. Attach Hi Line or Tag Line end ring to QR Assembly:

3.1



3.2



3.3

