



Reflex Marine Technical Bulletin

Subject	Standard Frog - Wire Sling Assembly
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1. Scope

This technical bulletin concerns the standard wire rope sling assembly fitted to the standard model Frog (Type FS01).

2. Background

It has been reported to Reflex Marine that, on first use of a new Frog capsule, it was noted that the weight of the lift was being taken on the back-up sling (identified by being fitted with a short length of PVC sleeve at the lower end), and not on the main sling.

On examination of the sling arrangement it was noted that the back-up sling was only two inches longer than the main sling. The back-up sling should have been 8" (200 mm) longer than the main sling to allow the weight of the lift to be taken on the main sling whilst allowing a small amount of slack on the back-up sling.

Whilst the length of the back-up sling was identified as being incorrect, **this does not create a safety hazard**. The load path via the back-up eyebolt is designed and tested to handle the full weight of the Frog. In this instance the load would pass through the back-up sling and the main sling would then serve as the contingency. It should be noted, however, that the Frog will pick up at a very slight angle when lifted by the back-up leg.

In the case detailed above, the deck crew incorporated a 9T SWL shackle into the back-up sling to provide the correct length and remedy the situation. A suitable alternative would be to fit additional 3.5T SWL shackles to the back-up sling.

3. Action Required

It is recommended that users check that when the Frog is picked up by the crane that the main sling is in tension and the back up sling remains slack. A minor variation in the length of the back-up sling is not considered to be a safety hazard and can be easily remedied by the inclusion of suitable shackles.



However, where a back-up sling has been identified which does not meet with the specified 8" (200 mm) length difference, users may contact Reflex Marine to arrange provision of a replacement sling assembly.

The drawing below shows the specified length difference between the two sling legs.

