

The background of the slide is a 3D rendered image of an underwater scene. A yellow and black submersible is on the right, with its lights illuminating a white cylindrical Emergency Life Support Store (ELSS) pod that is partially submerged. The pod is connected to a vertical ladder. The seabed is dark and textured, and there are several circular light patterns on the left side.

Emergency Life Support Stores (ELSS) Pod Posting Bags

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INTRODUCTION

JFD's Pod Posting Bags allow safe delivery and recovery of ELSS pods to and from a DISSUB's Escape Tower. Once posted, and with hatches shut and drained, ELSS pods can be securely lowered into the submarine using the provided lowering mechanism.

Each Pod Bag is designed and built in compliance with ANEP/MNEP 85, and has been load tested and certified for the receipt of a fully-flooded ELSS Pod. Safety is further enhanced by the design's dual-redundant load path.

For ease of stowage each Pod Posting bag is packed with its own case.

BENEFITS

JFD's ELSS Pod Posting Bags feature the following benefits:

- **Tailored Design** - Every Escape Tower is slightly different, JFD's design team can easily optimise the design for each customer's submarine.
- **Multiple Options** - JFD has design for both coaming mounted and ladder mounted.
- **Complete Package** - JFD's supply includes:
 - Pod bag assembly with all appropriate shackles for use;
 - Valise for pod bag assembly
 - Operations and Maintenance Manual
 - Drawing Pack
 - Test certificate for pod bag assembly & frame assembly



Complete package delivery
Stored within the Submarine Escape Hatch

SPECIFICATION

Diameter	Maximum overall diameter	>370mm
	Minimum internal diameter	>360mm
Length	Overall length including handle	>1100mm
Weight & Payload	Weight of assembly	<10kg
Safe Working Load	Maximum Load	120kg
Material	<ul style="list-style-type: none">• Marine grade stainless steel 316• Polypropylene web straps WSL 125kg• Stainless steel shackles• High strength screw grate or snap lock carabiners in anodised stainless steel or marine grade aluminium• Nylon rope	

FULL ELSS INTERVENTION CAPABILITY

Additional to the Pods and the housing structure, JFD also supplies:

- **ELSS Pods** - ELSS Pods contain the required Emergency Life Support Stores to be delivered to a submarine. JFD's optimised design of an ELSS pod makes it the best in the world.
- **ROV Specialist Tooling** - JFD also provides specialist tooling for Remotely Operated Vehicles (ROV).
- **ROV Pod Deployment Crate** - To prevent the need for the ROV to return to the surface a Deployment Crate with pre-loaded can be deployed to the seabed with ELSS Pods. Using specialist tools the ROV can recover and deploy the pods in rapid succession.
- **ELSS Container** - JFD's ISO ELSS Container has been specially designed to house the ELSS, ELSS Pods, Deployment Crate, handling equipment and tools. This allows easy mobilisation with the Intervention System and a safe operation on the back of a vessel in turbulent waters.



Coaming mounted bag design



Ladder mounted bag design