

# Intervention & Rescue Targets



## Introduction

Regular submarine intervention and rescue exercises are essential for ensuring equipment and personnel are able to respond effectively in the event of a submarine accident. However, the ability to exercise with live submarine assets is often limited.

JFD can supply a wide variety of subsea targets that allow submarine rescue, intervention and ventilation activities to be rehearsed without the need for a host submarine.

JFD's mating targets are in service with:

- NATO Submarine Rescue System
- Republic of Singapore Navy
- Royal Australian Navy

JFD understands that requirements for subsea targets vary significantly between nations and for differing operation types. Key design-drivers are depth-rating, mating angle and portability.

## SRV Mating Targets

JFD's mating target for rescue submersibles is used primarily for the repeated rehearsal of locating and mating with a target at depths of up to 650m, and at angles of up to 60°. JFD's mating targets are certified by Lloyd's Register for both hard- and soft-mates, allowing full-skirt de-watering and hatch-openings at maximum depth.

Features of JFD's mating targets:

- Interchangeable top-plates
- ANEP/MNEP 85 compliant
- Pressure tested under Lloyd's Register witness and certified

JFD is able to provide targets based on bespoke specifications, taking into account customer requirements for:

- Maximum hard-mate depth
- Long or short-term deployment
- Transport arrangements

## Intervention Targets

Replicating a submarine's escape hatch, JFD's ELSS Intervention Targets allow ROV Pilots to train for the delivery and recovery of Emergency Life Support Stores. The various targets may be set at angles of up to 60° in depths up to 650m, replicating possible bottoming scenarios, and may also be customised to take into account Class-specific configurations.

Submarine Ventilation and Atmosphere Sampling systems each require connection to a submarine's ventilation connection or High Salvage Point, a process requiring skill and precision to carry-out safely. JFD's Intervention targets may be configured to allow training for these operations.



Highly portable lightweight and angle selectable in 10° increments



500m rated 60° capable mating target. Transportable in 10' ISO container



610m rated Pod Posting and Atmosphere Sampling Target for NSRS. Adjustable to 60° subsea.



Lightweight, portable Pod Posting Target capable of deployment by ROV