

Limitations of Use

- The lift bag shall be used **only for the controlled lifting, stabilization, and positioning of submerged loads**, in accordance with a **project-specific lifting plan and approved method statement**.
- The lift bag shall **not be used for personnel lifting**, dynamic hoisting, or as a primary lifting device for above-water lifting unless specifically engineered, assessed, and authorized for such use.
- The **rated lifting capacity shall not be exceeded** and shall be determined at the **maximum intended operating depth**, taking into account hydrostatic pressure, air compressibility, buoyancy variation during ascent, and the mass of rigging and ancillary equipment.
- **Inflation, venting, and ascent shall be conducted in a controlled and progressive manner**. Rapid inflation or uncontrolled ascent shall be avoided to maintain load stability and prevent overstressing of the lift bag and associated rigging.
- The lift bag shall be rigged using **certified lifting equipment** with adequate Working Load Limit (WLL). All attachment points, webbing, shackles, valves, and connections shall be **inspected prior to each use**.
- The lift bag shall **not be used if damage, excessive wear, contamination, or degradation** of the buoyancy envelope, restraint system, valves, or fittings is identified.
- **Environmental conditions**, including water depth, current, visibility, seabed conditions, and proximity to the surface, shall be assessed and considered during planning and execution of lifting operations.
- **Near-surface lifting operations** require particular attention due to rapid changes in buoyancy. Additional control measures shall be implemented to manage lift acceleration and load behavior as the load approaches the surface.
- The lift bag shall be operated only by **trained and competent personnel** experienced in commercial diving and salvage lifting operations.
- The lift bag shall be **inspected, cleaned, and maintained** in accordance with the manufacturer's instructions and project requirements prior to being returned to service.