



# SKARV

## Next-Generation Launch & Recovery Systems

The Lidan SKARV product family sets a new standard for Launch and Recovery Systems, designed to meet the demands of modern USV operations.

Available in four sizes, SKARV systems handle payloads up to 3,000 mm and 375 kg, with towing capacity up to 18 kN. Each system is a fully integrated LARS solution, combining winch, launch frame, and docking saddle in a compact, lightweight design. During towing, the docking saddle is raised clear of the water for safe and efficient operation.

Developed in close collaboration with leading USV manufacturers, SKARV delivers minimal footprint, low weight, and high reliability. The systems are designed for seamless vessel integration and remote operation, supporting the latest USV technologies.

The versatile core of the product family, SKARV is designed for a wide range of USV applications, combining robust performance, flexibility, and efficient deck integration. Available as a turnkey solution, including cables, mechanical and electrical terminations, and slip ring integration.

- EASY INSTALLATION
- SAFETY FOR PERSONNEL AND SONAR
- LIGHT WEIGHT AND MODULAR
- USV READY




**TECHNICAL SPECIFICATION (incl. TW-2750)**

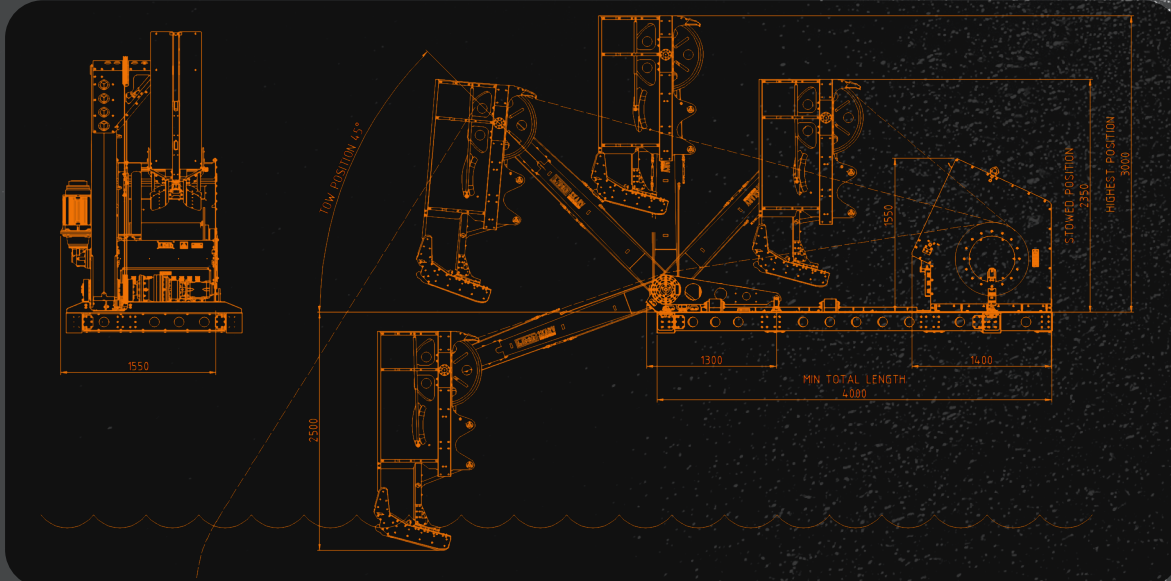
Weight:	Cable dia:	Capacity:	Line speed (avg.):	SWL:	WLL:
Approx 1 000 kg <small>Excl. cable and sonar</small>	Max 20 mm <small>Depending on gearbox</small>	Up to 2000m <small>Depending on cable</small>	60 m/min <small>Depending on gearing</small>	150 kg <small>Weight of payload</small>	1000 kg <small>Towing up to 45° angle</small>
Power supply:	Up to 440VAC 3-phase 50Hz		Cable:	6,53 - 20 mm	
Winch drive:	Up to 11kW 440V <small>Encoder for cable scope</small>		Communication:	Ethernet <small>OPC UA protocol for remote control</small>	
Levelwind:	Driven pinch roller type Variable pitch dep. of cable		Slip ring:	Designed for Focal 180 type or similar	
Frame drive:	Gearbox <small>Provided with weather and cable cover</small>		Ingress protection:	IP66 <small>as standard</small>	

**The SKARV is supplied as standard with Launch Frame including Winch TW-2750:**

- Anodized Marine Aluminium
- Remote control capability
- 12 Month Warranty
- Handheld wireless remote
- Operations Manual
- Maintenance Manual

**Available options:**

- Lifting frame with sling
- Remote software and HMI
- Marine grade paint
- Emergency release
- Spare parts
- Customized solution



Docking saddles adapted for – Klein 5000V2 – Edgetech 4125i / 4205 – also with depressor.  
 Other types on request.

