

Acoustic 15t Release Frame



Key features

- 15 tonne release capability
- Commanded by 3515 PAM, 3510 PAM, Easytrak Nexus and Pyxis USBL systems
- Positive lever drive off with load assist release
- Upgrade option for existing 529P beacons

Applications

- Cable work operations
- Crane and winch wire detachment
- Submerged buoy recovery
- Complementary to lift bag operations

Acoustic 15t Release Frame Overview

The 15t Release Frame offers a new method of wirelessly separating an underwater load from its crane. By using acoustics, rather than divers or ROVs with cutting equipment, this method has the potential to both reduce risk and save time.

The Release Frame consists of a heavy duty strong back and lever system that amplifies the load capability of an applied acoustics' 1529P Release beacon, and a standard aae surface control unit, typically a 3515 PAM Portable. Once the load is in position a remote acoustic signal received from the surface unit triggers the hinged hook to open releasing the load, allowing the frame unit itself to be recovered in its entirety for re-use.

Useful for bight release applications in the cable laying and repair industry, this acoustic release frame is also suited for coastal construction operations on wind farm sites, lowering work baskets or other subsea structures, separating lift bags from their loads or as method of marking subsea infrastructures that are at risk of damage from surface activity.

Technical Specification

Hook Specification

SWL	15 t (including 4 x factor of safety)
Operating depth	1000 m
Weight in air	60 kg
Weight in water	40 kg
Overall length	112 cm
Maximum height (inc cage)	120 cm
Material	Weldox 700
Master link part number	Gunnebo M-1613-10

1529P Acoustic Release Beacon

Housing material; hard anodised aluminium

Battery

Battery Type	Alkaline (Set of 3; Rx, Tx, Motor)
Listening life	24 months
Releases	70

Two-Way Communication

Frequency	MF, 17 to 32 kHz
Status Telemetry	Acknowledge arm, Acknowledge release, Battery, Inclination*
Commands	Arm, Release, Battery Status, ID Commands, Range, Inclination*

*supported models only

Compatibility and Configuration

Internally configured

Command/Control	1023 identities
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Topside Control, 3515 PAM Portable

Case size	390 x 310 x 170 mm
Weight	5 kg
Temperature	Storage: -20°C to +60°C Operation: 0°C to +40°C
External power supply	Input: 100-240 V ac, 50-60 Hz Output: 24 V dc
Battery life	6 hours

3190 Dunking Transducer

Robust stainless steel transducer with integral cable and transducer protection cage.

Operation subsea with ranging, relocation, acoustic release and telemetry.

Size	100 mm Ø x 276.5 mm excluding cable relief
Weight	8.5 kg
Cable length (attached)	30 m standard
Depth rating	50 m

Compatibility

- 3515 PAM Portable
- 3510 PAM Portable
- Easytrak Nexus and Pyxis systems

In partnership with

