

# Oceano R1

## Coastal acoustic release

Oceano R1 is the latest version of Exail's coastal acoustic release. It is ideal for releasing up to 200kg payload after a long-term deployment in harsh environment down to 1,000m water depth. Fitted with a positive screw-off release mechanism, it is extremely reliable. The combination of a light aluminum design and robust protections offers outstanding versatility.



### RELIABILITY

- Corrosion resistant Aluminum housing
- Shocks and scraps Protection with fenders and sleeve
- Positive screw-off release mechanism
- Back-up battery cell for release

### EASY USE

- Easy opening with retaining rod
- Simple access to battery housing
- Manual rearming of the release mechanism
- Compatible with Exail existing deck set units
- Compatible with Pop-Up Buoy recovery system from Deep Water Buoyancy
- Delivered with 5 expendable release nuts (spare parts easily available from Exail e-store)
- Compatible with 7/16 standard anchor shackles

### PERFORMANCE

- Operable down to 1,000m water depth
- Capable of releasing up to 200kg payload and lifting 500 kg payload
- Unrivaled battery life (30 months @ 0°C)
- 12 Alkaline off-the-shelf C-size batteries
- Compact and light design

## TECHNICAL SPECIFICATIONS

### General

Operating temperature	-5°C to +40°C
Storage temperature	-20°C to +70°C
Acoustic commands	Ranging, release, release with pinger, pinger ON/OFF, diagnostic (verticality status and battery voltage)
Shipping	Plywood transit case, 665 x 250 x 225 mm, 13.5 kg

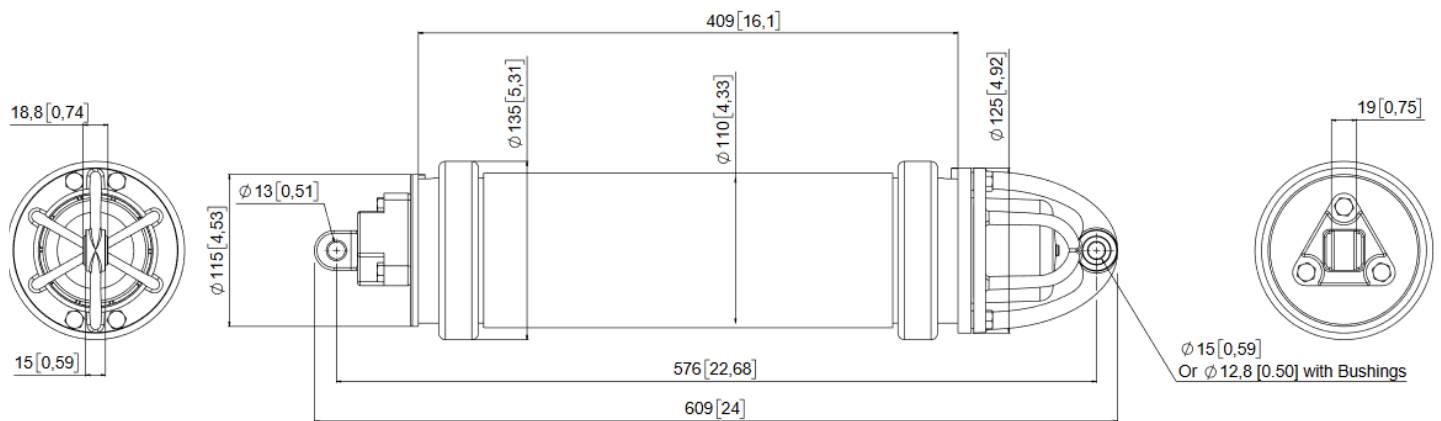
### Mechanics

Load characteristics	500 kg SWL* / 200 kg RL** / 1 000 kg TL***
Overall dimensions (dia x L)	135 x 610 mm
Overall weight (air / water)	7.5 kg / 3 kg

### Acoustic

Operating frequency	Low frequency (8.0 to 16.0 kHz)
Transducer beam pattern	Omnidirectional (horizontal plan) / Hemispherical (vertical plan)
Operating life	30 months @ 0°C (Alkaline)
Range	More than 2,000 m depending on ambient noise and acoustic propagation conditions

### Mechanical drawing



\*SWL – Safe Working Load. The maximum static or dynamic load that can be supported by the instrument in normal operating conditions with no release command in progress.

\*\*RL - Release Load. The maximum load that can be supported while release command is activated (DC motor rotating).

\*\*\*TL - Test Load. The maximum load that can be supported by the instrument without permanent damage or water ingress (not to be used in normal operation mode).