

Oceano R7

Hadal acoustic release

Oceano R7 is the latest version of Exail's hadal acoustic release. It is ideal for releasing up to 2,500 kg payload after a long-term deployment in harsh environment down to 12,000 m water depth. Fitted with a positive drive-off release mechanism, it is extremely reliable. The combination of an optimized design in a robust Titanium housing offers outstanding corrosion resistance. Oceano R7 is remotely controlled using the LF deck set unit TT801 (or any older model).



RELIABILITY

- Corrosion resistant Titanium housing
- Positive drive-off mechanism
- Back-up cell for release
- Compact and lightweight design

PERFORMANCE

- Unrivaled battery life (60 months @ 0°C)
- Alkaline off-the-shelf batteries
- Capable of releasing up to 2,500 kg payload
- Operable down to 12,000 m water depth

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, L x W x h mm, WW kg

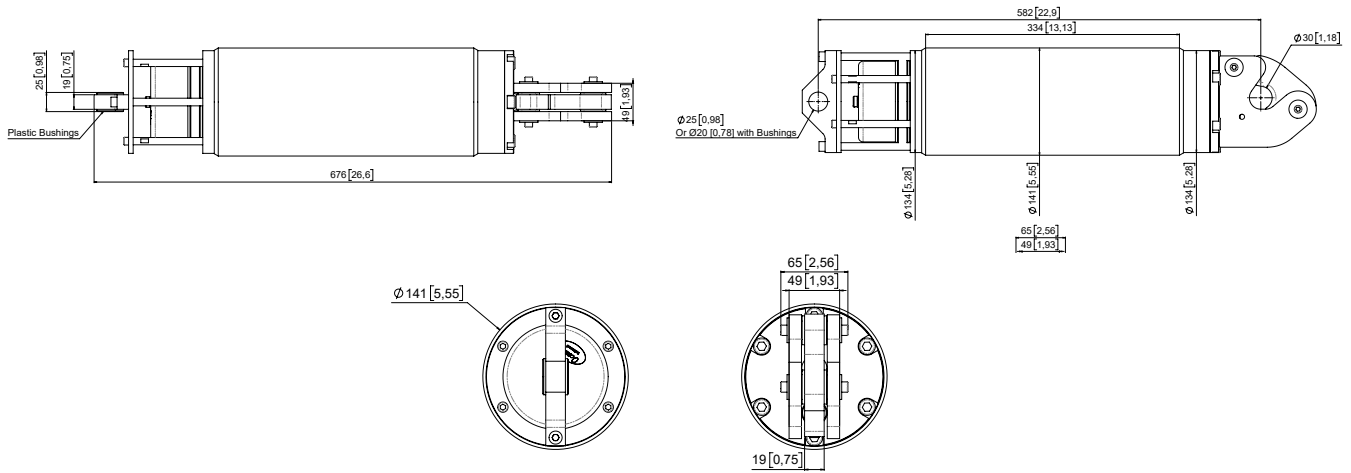
Mechanics

Load characteristics	2,500 kg SWL* / 2,500 kg RL** / 5,000 kg TL***
Overall dimensions (dia x L)	141 x 676 mm
Overall weight (air/water)	22 kg / 15 kg

Acoustic

Operating frequency	Low frequency (8.0 to 16.0 kHz)
Transducer beam pattern	Omnidirectional (horizontal plan) / Hemispherical (vertical plan)
Operating life	60 months @ 0°C (Alkaline)
Range	More than 10,000 m depending on ambient noise and acoustic propagation conditions

Mechanical drawings



*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 by the hook while it 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).