Oceano R9

Oceanographic acoustic release

Oceano R9 is the latest version of Exail's hadal acoustic release. It is ideal for releasing up to 5,000 kg payload after a long-term deployment in harsh environment down to 6,000 m water depth. Fitted with a positive drive-off release mechanism, it is extremely reliable. The combination of an optimized design in a robust Super Duplex stainless steel (SDSSS) housing offers outstanding corrosion resistance. Oceano R9 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 design with bumpers for shocks prevention

PERFORMANCE

- Unrivaled battery life (60 months @ 0°C)
- Alkaline off-the-shelf batteries
- Capable of releasing up to 5,000 kg payload
- Operable down to 6,000 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	5,000 kg SWL* / 5,000 kg RL** / 10,000 kg TL***
Overall dimensions (dia x L)	215 x 748 mm
Overall weight (air/water)	36 kg / 27 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

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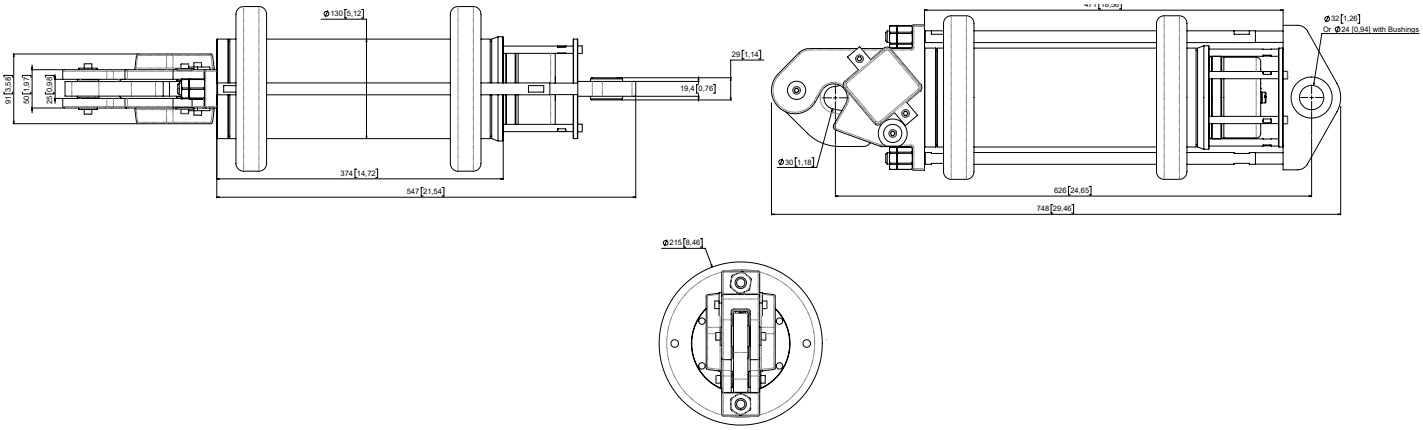
Mechanical drawings



*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).