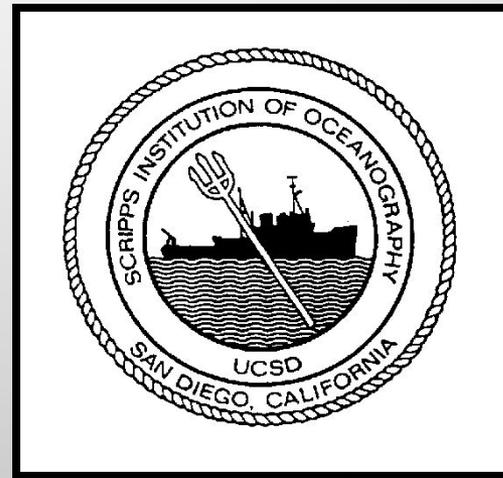


RVTEC 2023

NSF WEST COAST WINCH POOL
OPERATED BY
SCRIPPS INSTITUTION OF
OCEANOGRAPHY



OUR MISSION

- To provide an inventory of oceanographic winches (etc.) for shared use.
- To keep our inventory in good repair and in compliance with applicable standards (CFR, RVSS).
- To modify our inventory to better serve our community.
- To provide technical support: cable/wire rope spooling, training, maintenance, repairs, engineering, fabrication, advice...

HOW THE WINCH POOL WORKS

- Funded by NSF
- Customers (science parties and others) communicate their needs to us.
- We match their needs to available machinery and personnel.
- We work with customers to send machinery and personnel to and from the vessel and to schedule work.
- Those conducting NSF-funded research generally incur no costs to use OUR Machinery and our personnel.
- Others **generally** pay a “day rate” and the cost of freight.

LIGHT-DUTY WINCHES



Hawboldt SPR-2036/S

Up to 3,500 lbs pull.
Holds 3,000 m of .322 cable.



UTILITY LINE SPOOLERS



TSE Spoolers

Up to 7,500 lbs pull.
Holds 2,800 m of 1" line.

MOORING WINCH



Hawboldt SPRE-3464 Mooring Winch

Provides up to 10,000 lbs pull.

Withstands up to 20,000 lbs pull.

Tension and Scope Display

Holds 2,800 m of 1" line.

Same footprint as TSE Spooler.

MOORING CAPSTAN

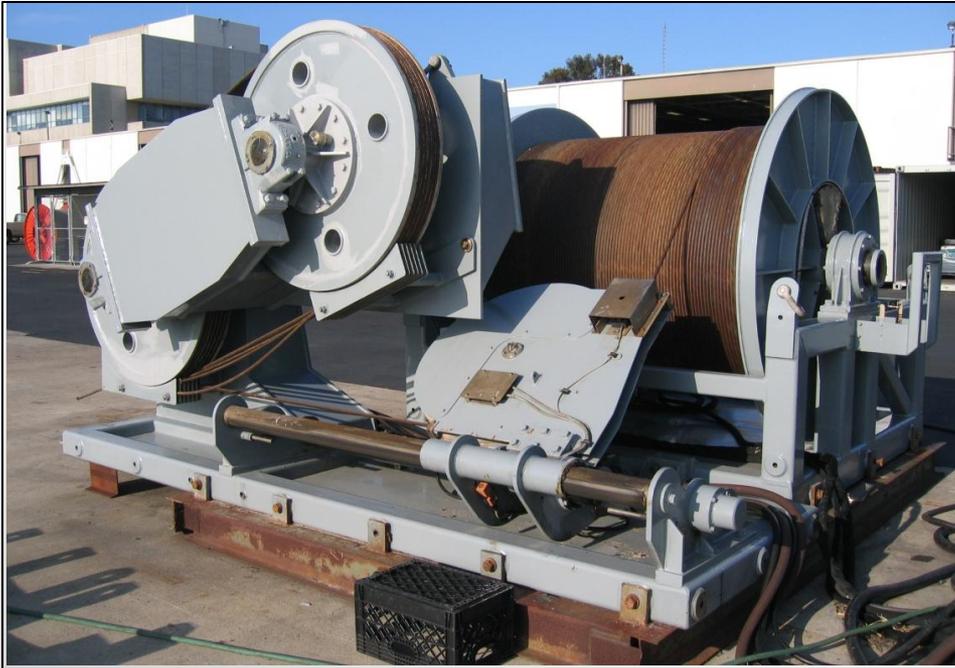


Lebus Mooring Capstan

Also for spooling moorings.

Up to 7,000 lbs pull. Unlimited cable-holding capacity.
(Remote operating station, wireless remote not shown)

HEAVY-DUTY WINCH



Dynacon Traction Winch

Up to 25,000 lbs pull.

Holds 10,000 m of .681 cable.

(Remote operating station not shown.)



ENGINEERING PROJECTS 2022-2023

- Managed the West Coast Winch Pool
- Installed a new .322” cable and Lebus shell on ROGER REVELLE’s CAST-6 winch.
- Acquired a new remote interface for our Markey systems.
- Made OHS operator's manuals for all SALLY RIDE’s handling systems.
- Made OHS operator's manuals for two of ROGER REVELLE’s handling systems.
- Engineered components for a new CTD rosette.
- Helped draft a revision to Appendix A.
- Helped a new spooling machine for the UNOLS wire pool.
- Helped get a new winch for ATLANTIC EXPLORER (in the works).
- Helped get a new mooring winch for University of Hawaii.
- ***Bought a lot of spare parts***

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WEST-COAST-WINCH-POOL

