

WESMAR

GO DEEPER...



Hydrophones



Sonar



Acoustic Modems



ROV Tracking



Cameras

**With WESMAR Hoists
for Underwater Equipment**

Improve the Performance Of Your Underwater Equipment

Go deeper with WESMAR underwater hoists. The perfect solution for deploying various third party hydrophones, transducers, cameras and sensors. Get the most from your equipment by operating it away from the noise and air bubbles created by the ship's hull. Hull shape, water intakes, keel coolers and protruding parts as well as the flow of aerated water, machinery noise and hull vibrations, vessel's load distribution from bow to stern can render expensive acoustic underwater equipment nearly useless. For instance, there are many fishing vessels that have trouble with their video sounder in all but the most calm seas.

Solution? Lower the transducer or hydrophone deeper into clean, quiet water. WESMAR, the world leader in sonar manufacturing, has engineered the most advanced hoist systems on the market today. These systems are operating on fishing, research, offshore, and military vessels in the world's toughest waters.

Draw upon WESMAR's over 40 years of experience supplying simple and cost effective hoist systems to deploy your sensitive equipment.

M18 LS

Hoist Length: 90 inches

Travel Distance Options:

42.5 inches; 51.0 inches; 62.5 inches.

WESMAR Hoists Backed by 40 Years of Marine Equipment

M18

Hoist Length: 53.3 inches

Travel Distance: 33.0 inches

M8 LS

Hoist Length: 60.5 inches

Travel Distance: 40.0 inches

M18

Hoist Length: 48.6 inches

Travel Distance: 24.0 inches

M18

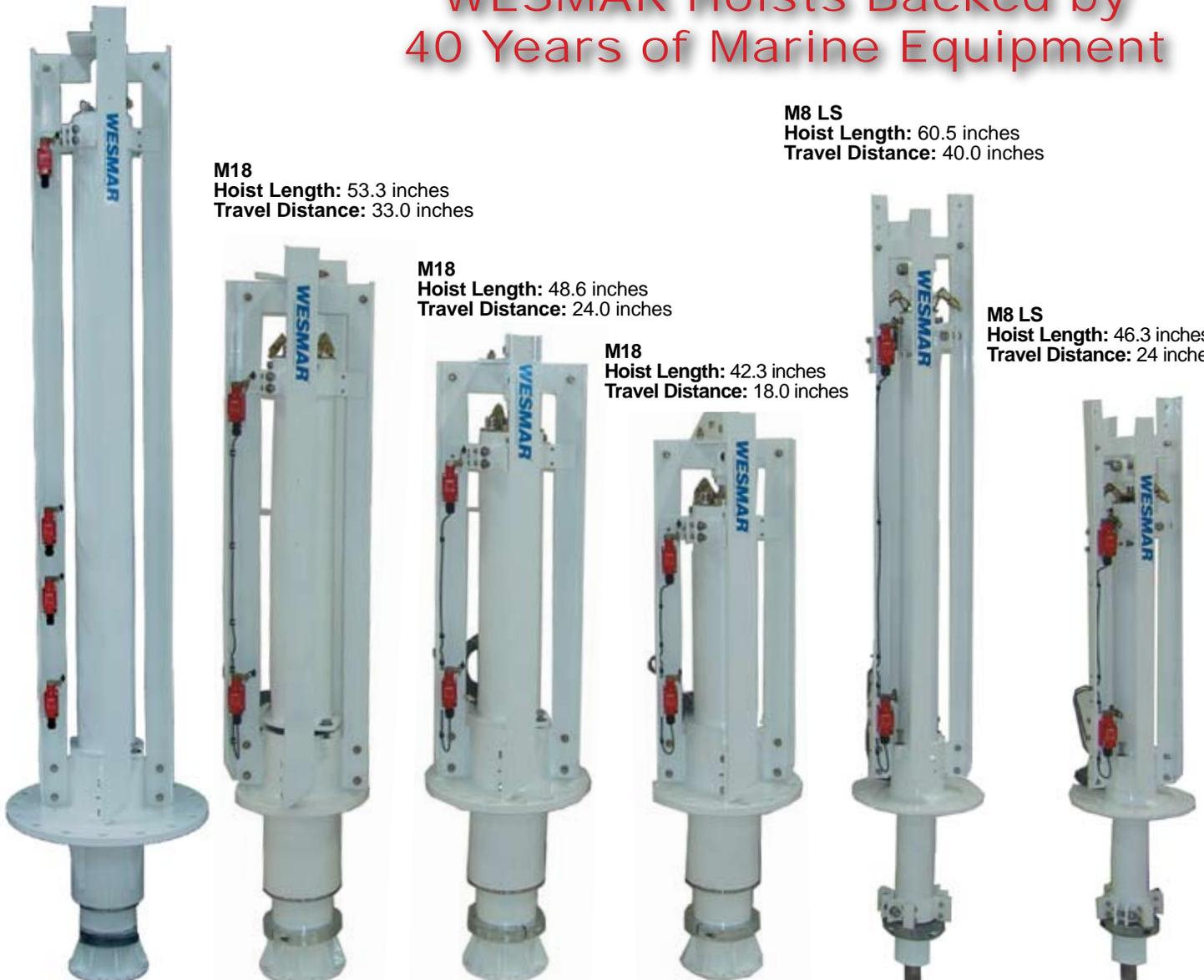
Hoist Length: 42.3 inches

Travel Distance: 18.0 inches

M8 LS

Hoist Length: 46.3 inches

Travel Distance: 24 inches



A Hoist For Any Instrument For Any Boat

Wesmar manufactures nearly a dozen sizes and types of hoists for a wide variety of applications throughout the world. Send us the details of your equipment and your vessel and we will help you select the ideal solution.

FT8 LS
Hoist Length: 55.4 inches
Travel Distance: 40.0 inches



FT8
Hoist Length: 33.5 inches
Travel Distance: 19.0 inches



FT6
Hoist Length: 25.7 inches
Travel Distance: 11.0 inches



Electric Lead Screw Hoist
Hoist Length: 22.0 inches
Travel Distance: 11.0 inches



Electric Lead Screw Hoist
Hoist Length: 19.0 inches
Travel Distance: 8.0 inches



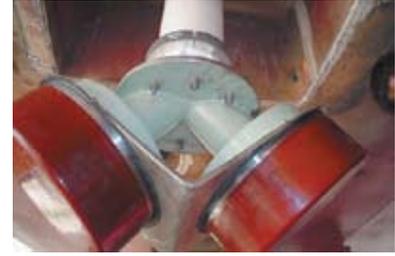
WESMAR hoists are your easiest choice for deploying your underwater equipment:

- **Commercial, off-the-shelf technology:** Quick delivery, many interchangeable parts and over 40 years of sonar manufacturing experience to back up your investment.
- **Simple installation:** Hoists can be disassembled for installation in tight spots or delivered fully assembled.
- **Self-supporting systems:** Boats come equipped with a variety of seachests. WESMAR manufactures a unique line of M18 hoists with double support, which do not require the seachest walls for support. For example, a 10" transducer can be installed in a 22" seachest.
- **Self-contained hydraulic systems:** Lighting-fast retraction time (as little as 3 seconds) and virtually no maintenance during normal use between dry dockings.
- **Extra long travel lengths:** Available in the M18 Long Stroke line of hoists. Transducers and other equipment can be lowered up to 1.5 meters below the hull.
- **Ability to fit a variety of seachests:** WESMAR engineers have found a way to fit just about every seachest size and configuration. However, custom flanges, diameters and lengths can be discussed and engineered for specific applications at an additional cost.

Satisfied Customers

WESMAR hoists are used by thousands of satisfied customers around the world. The equipment has been installed on U.S. Navy, U.S. Coast Guard, NOAA, State of Alaska, University of Washington and countless other research vessels, fishing vessels, navy craft, cruise liners, tankers and yachts in many countries.

Lindblad Expeditions is perhaps one of WESMAR's most daring and unusual customers. Their fleet of ice class cruise ships takes adventurous tourists down to the Antarctica. In addition to using the WESMAR HD800/110-10 forward looking sonar to watch for underwater icebergs, Lindblad is using the WESMAR M18 hoist to provide their passengers with unparalleled underwater camera views of porpoise swimming across the bow.



WESMAR M18-10 hoist raises and lowers a hydrographic sounder transducer installed on a research vessel in Argentina under a United Nations development program.

Specifications

WESMAR manufacturers nearly a dozen models of hoists to fit various applications as well as custom designs. The M18-10 hoist model is the top seller.

Contact WESMAR for specifications and drawings of other hoist models.

Standard seachest flange diameter: 17.50 inches (445 mm), bolt circle 15.25 inches (387 mm), 16 bolt holes 1.125 inches (28.6 mm)

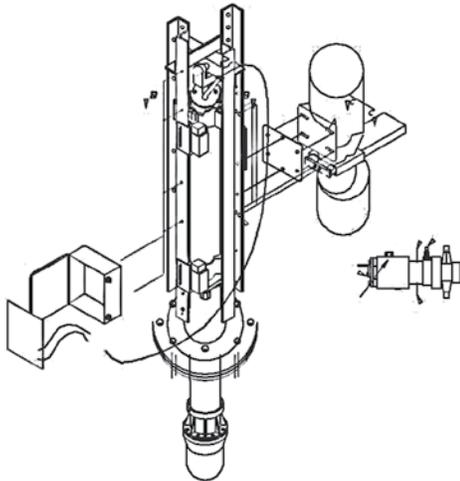
Maximum instrument cable diameter: .75 inches (19 mm)

Maximum lifting capacity: 700 lbs (318 kgs)

Minimum retraction time: 5 seconds

Power supply: 110 VAC or 220 VAC

Stroke: 35.4 inches (90 cm) (1.0, 1.2 and 1.5 m for the LS version)



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PRODUCT WARRANTY

Commercial warranty and consumer limited warranty, disclaimer, and remedies. Seller warrants title, materials, and workmanship on equipment, except components manufactured by others for which seller assigns, as permitted, the original manufacturer's warranty. Seller's warranty period for all applicable express or implied warranties shall be ninety (90) days after installation or one (1) year after date of shipment to the original buyer, whichever time period expires first. Nonconforming equipment reported to seller during the applicable warranty period and returned to seller at buyer's expense and risk shall be repaired, or replaced at seller's option. If seller is unable or unwilling to repair or replace such reported and returned nonconforming equipment within a reasonable time, then buyer shall be entitled to a refund of the purchase price of the equipment as buyer's sole remedy. This paragraph sets forth buyer's exclusive remedies for nonconforming goods. This commercial warranty and consumer limited warranty is in lieu of all other warranties, express or implied, including design, course of dealing, merchantability, and fitness for a particular purpose.

NOTE: LIMITATION OF SELLER'S COMMERCIAL AND CONSUMER LIABILITY. Seller shall not be liable on any claim for loss of use, revenue, or profit, for injury, or for any other incidental or consequential damages, regardless of the basis for buyer's claim(s), including, but not limited to, the law of contract, warranty, or tort. In no case shall seller's liability on any claim(s) exceed the amount paid to seller for the purchased goods.