

LANTEC

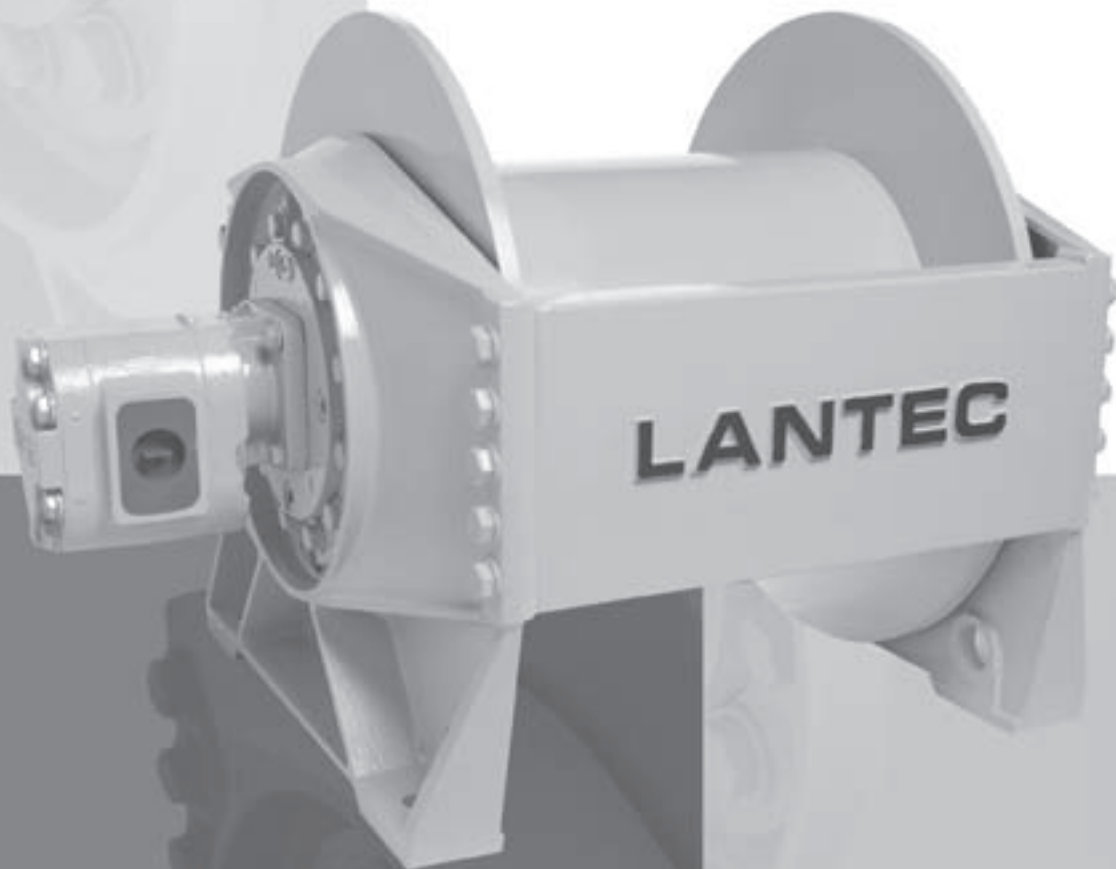
LH Series Hoists

Why Choose a LANTEC LH Series Hoist?

**The answer is
in the details...**

You can choose a LANTEC LH Series Hoist or you can settle for a competitor. You'll be more successful with LANTEC.

Here's why...



LANTEC

Winch & Gear Inc.

GEAR DRIVES
WINCHES & HOISTS
BRAKES & CLUTCHES

Driven to Excellence

A MODULAR LINE OF
HYDRAULIC HOISTS

Our Company

LANTEC has an excellent reputation and is well respected for supplying very reliable and robust hoists, winches and planetary gear drive products.

We've been designing and building the highest quality planetary geared products for over 40 years.

Your business, offshore drilling and production, is already a market to which LANTEC provides large custom hoists.

LANTEC has manufactured hoists and planetary drives for the offshore industry certified to various regulatory bodies, including API (American Petroleum Institute), ABS (American Bureau of Shipping), and DNV (Det Norsk Veritas).

LANTEC is a name you can trust.

Our Warranty

LIMITED
1 YEAR WARRANTY
BEST IN THE INDUSTRY

Our low warranty cost is the envy of the winch industry and is a testament to our rugged, reliable design.

Our Product

The LANTEC LH Series is a complete hoist line with more than 10 basic models. With many flexible options, LH Series Hoists are suitable for a wide variety of applications.

LANTEC LH Series Hoists are available as single drive (LHS) and dual drive (LHD) for higher horsepower capability.

What makes a
LANTEC LH Series Hoist
superior to our competitor?

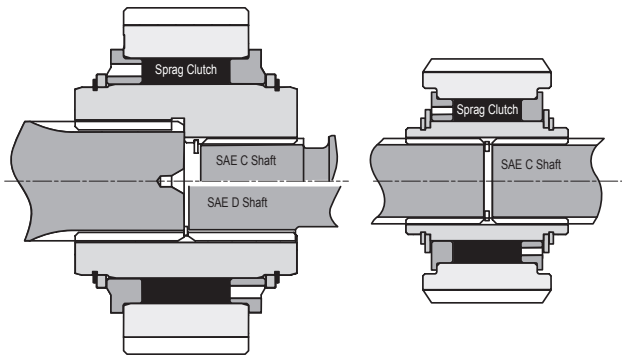
The answer is in the details...

...the details:

Brake Valve Our Brake Valve is the industry's most stable and reliable. The valve is designed for high efficiency and capable of very high flow rates. LANTEC protects the valve orifices with a high-grade filter, built into the valve, keeping the orifices free from clogging. This reduces the probability of downtime due to a malfunctioning Brake Valve, one of the most common problems in the field. LANTEC LH Series Hoists are designed to save you money over the long term.

High Design Factor Pull tests (witnessed by ABS) on our Model LHS160 proved that the representative hoist could withstand well over 3 times its rated drum torque without failure. This is indicative of the conservative design approach that LANTEC uses throughout the LH Series Hoist line.

Sprag Clutch LANTEC LH Series Hoists employ a high-capacity, long-life Sprag Clutch. Our Sprag Clutch incorporates a state-of-the-art, anti-rollover feature ensuring positive holding even under very high overload conditions. The illustration below demonstrates the comparative size of LANTEC's Sprag Clutch to the much lower capacity Braden Sprag Clutch (shown at the same scale).



LANTEC LH Series
Sprag Clutch

Braden CH Series
Sprag Clutch

Brake Springs LANTEC LH Series Hoists offer the added safety of redundancy in the brake springs. We use 12 compression-type coil springs in parallel. These die springs are designed for use in the demanding mold industry and exhibit long life even at very high cycles. In the unlikely event several springs were to fail, our brake still retains sufficient capacity to stop and hold the load.

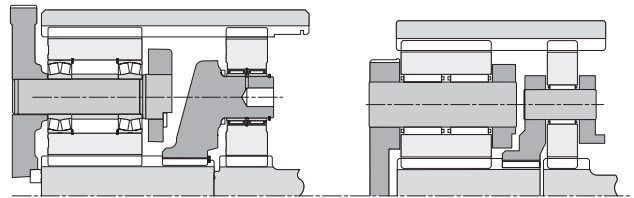
The Braden CH hoist utilizes a single coil spring, or a single stack of washer-type springs stacked in series. With the failure of even one spring, brake capacity is lost in the Braden hoist.

Self Contained Drive Modules LANTEC LH Series Hoists are designed with the complete drive module removable as a single package (most models). This feature helps maintain alignment of drive components and provides for faster, easier field service and convenient core exchange.

LANTEC Winch & Gear is a part of the Tulsa Winch Group, a global leader in standard and engineered winch, gearbox and load information systems.

Modular Design LANTEC LH Series Hoists use many common components throughout the LH Series Hoist line, resulting in lower spare parts inventory cost. For example, the complete brake module is identical for all LH Series Hoists (except LHS060).

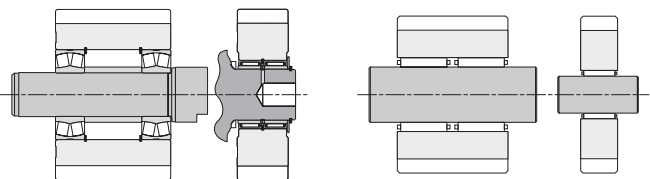
Larger, Longer Life Gearing LANTEC and Braden both use compact and efficient planetary gearing. However, simply stated, LANTEC puts more gear capacity in LH Series Hoists, providing you with longer life and a higher degree of reliability. The following illustrations show the comparative size of the gear elements for equivalent hoists (shown at the same scale).



LANTEC LH Series
Gear Elements

Braden CH Series
Gear Elements

Replaceable Planet Bearings LANTEC LH Series Hoists employ only complete roller bearings in the Planet Gears, providing the benefit of low cost replacement of the bearings without having to replace the Planet Gear and the Planet Pin. With most Braden CH hoists, replacing a planet bearing means an expensive replacement of the Planet Gear and Planet Pin, in addition to the bearing itself. This feature will save you money in the long term.



LANTEC LH Series
Planet Bearings

Braden CH Series
Planet Bearings

Motor Mountings LANTEC LH Series Hoists were designed to easily accommodate both SAE C and SAE D hydraulic motor frames. Braden CH hoists are generally restricted to SAE C and smaller mounts.

One Seal Kit

LANTEC LH Series Hoists use one Seal Kit to cover the complete LH Series Hoist line (except LHS060), offering the advantage of stocking fewer standby parts and reducing inventory costs.

Seal Running Surfaces

LANTEC LH Series Hoists include corrosion resistant running surfaces for all oil seals, offering long seal life even in demanding, marine environments. This important feature means that expensive parts won't need to be replaced due to corrosion of the seal running surface and subsequent seal failure. This reduces the danger of running the hoist without oil, lowers the cost of downtime and lowers the environmental risk of an oil leak.

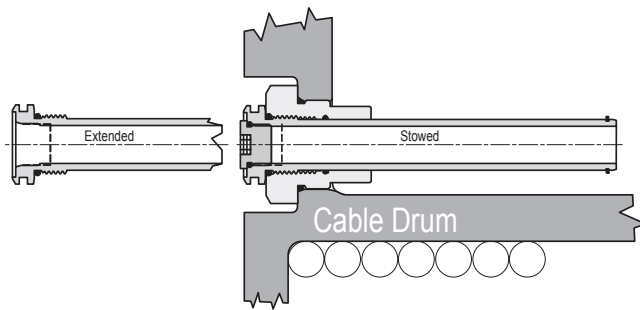
...more details to consider:

Gear Ratios LANTEC LH Series Hoists have a broader selection of gear ratios than Braden. This allows better matching of the hoist to your exacting requirements.

Robust Base LANTEC LH Series Hoists use cast base components and heavy-duty cast tie bars, providing excellent assembly alignment and a more rigid base for handling and mounting. The higher torsional stiffness helps to keep internal parts aligned when under load. In addition, the tie bars are more resistant to corrosion compared to the thin, steel plate typical on Braden CH hoists.

Optional Drum Sizes LANTEC LH Series Hoists offer a more extensive list of standard drum sizes. Custom drum sizes are available with reasonable delivery at an attractive price for your special applications.

Exclusive "No-Spill" Oil Change System Most LANTEC LH Series Hoists include a self-contained, "No-Spill" oil change system for faster and environmentally friendly oil changes. Using ordinary tools, the self-contained oil drain tube is extended from the drum, to the outside of the hoist, making oil changes convenient, safe and consistent with good environmental practice.



LANTEC LH Series
Exclusive "No-Spill" Oil Change System

Magnetic Plug LANTEC LH Series Hoists include a heavy-duty magnet, extending into the oil sump. This magnet is built into the large oil fill plug and is easily removed for inspection. The magnet traps significant metal particles contained in the oil, resulting in better lubricating properties and longer component life. The quantity of particulate on the magnet, together with periodic oil sample analysis, is a good diagnostic tool that can provide an indication of wear inside the hoist.

Ratchet & Pawl For boom handling, LANTEC LH Series Hoists are available with a Ratchet and Pawl for positive locking of the drum. (Field installable Ratchet and Pawl Kits are also available.) On LH Series Hoists, the complete Pawl package is mounted within the hoist base. Typical Braden CH Hoists have the pawl mounted separately, bolted to the crane itself. You save money with LANTEC by having far lower installation costs, not to mention saving the cost of having to periodically inspect and adjust the alignment of the Pawl to the Ratchet.

Interchangeability LANTEC LH Series Hoists have identical foot mounting dimensions as many Braden CH hoists, allowing easy field replacement with the superior LANTEC LH Series Hoist. Line pulls and line speeds are comparable, or better, to Braden CH hoists. In general, drum sizes and wire rope capacities are equivalent to Braden CH hoists.

Many Options Available Many options are available for the LANTEC LH Series Hoists, including:

Motor Mounts
Gear Ratios
Drum Sizes
Drum Grooving
Ratchet & Pawl

Drum Brake
Drum Pressure Roller
Encoder Drive
Conformance to API
(American Petroleum Institute)
Specification 2C requirements.

Let's review:

LANTEC puts reliability above all else.

LANTEC saves you money in the long term.

LANTEC builds a superior hoist in every detail.

LANTEC provides you with the security and peace of mind that comes from knowing you've purchased the most cost effective and reliable hoist available for your demanding application.

Now you know why your decision to choose a **LANTEC LH Series Hoist** is a wise one!



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Note: Some models may vary from the above general statements.
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