The Benefits of Superior Design

LESS MAINTENANCE & EASIER INSPECTION
- Heavy Duty DC Brake is designed for a long service life. Brake location allows for quick access and easy inspection.
- Lifetime grease-lubricated Gear Box means no oil change out is required. Precision gears provide better wear and longer life.
- Clutch located outside the Gear Box allows for easy access which eliminates the need for complete disassembly and reduces downtime.

IMPROVED SERVICEABILITY
Easy access to the Clutch, Motor, Electrical Control Panel and Brake Assembly.

LONGER SERVICE LIFE
Lifetime grease-lubricated Gear Box and helical gearing ensures efficient operation. Heavy duty rated motors. Hoist workmanship backed by a lifetime warranty.

QUIETER OPERATION
80% reduction in sound pressure as compared to the classic Lodestar.

IMPROVED LOAD SAFETY
Clutch is located outside the load path which prevents slipping of the load in an overload condition when brake is not powered.

IMPROVED CHAIN LIFE
5 Pocket Lift Wheel provides better chain and lift wheel engagement for smoother lifting and reduced vibration — which equates to less wear and a longer chain life. Zinc plating to protect chain from environmental conditions.

EASY ACCESS CONTROL PANEL
With finger-safe wiring and plug and play connectors, the Control Panel allows for quick voltage change, access to terminal strips and simple fuse installation.

EXCEEDS H4 REQUIREMENTS
Lodestar exceeds H4 requirements, engineered for high duty cycles and the toughest applications.

ECO-FRIENDLY
Lifetime grease-lubricated Gear Box means no changing and disposing of hazardous oil. Documented RoHS compliance. Shipped in boxes made of recycled material.

STANDARD FEATURES
- Capacities: 1/8 to 3 tons
- Fabric chain container & rigid hook suspension
- Lifetime warranty
- Metric rated
- CSA/US
- Made in the USA

OPTIONAL FEATURES
- Double DC brake
- AC electric brake
- Variable speed drive (VFD) or traditional 2 speeds available
- Primary & secondary transformer fusing
- Rotatable limit switch
- Black phosphate or stainless steel load chain
- Metal & stainless steel chain containers
Columbus McKinnon Corporation, the industry leader in quality lifting and positioning equipment for hoist operators around the globe, presents the new Lodestar.

Lodestar® – iconic in name and legendary in performance – is recognized as the standard in the overhead lifting industry. Generations of users have relied on the Lodestar electric chain hoist for consistent operation throughout its long service life. Now with exciting new features, it’s sure to widen its appeal to the next generation of rigging professionals.

Made in the USA, the new Lodestar features quieter operation, an environment friendly design, easier access to key components, higher duty cycles, less maintenance, and enhanced safety features.

Available as individual units, in hoist/trolley combinations, or as integral components of complete lifting systems, the next generation of Lodestar takes lifting to new heights for professionals in any industry.

With a history of unsurpassed performance and over a million units sold, the next generation of Lodestar continues this legacy.
Key Components of the Lodestar

**MOTOR**
Both heavy duty and efficient, the Motor is designed to operate on power supplies worldwide. Standard Class F insulation and thermal motor protection.

**HOUSING**
Cast aluminum, lightweight housing covered with acid resistant powder coated paint for superior durability and protection against elements. Distinctive CM orange color allows for easy recognition after installation. The sealed drive shaft and standard weather-proofing gasket and seals provide the hoist with a NEMA 3R rating — suitable for outdoor use.

**CONTROL PANEL**
Easy access to plug & play connectors allow for quick voltage change for dual voltage motors. Effortless fuse installation when required.

**LIFT WHEEL**
The Lift Wheel’s 5 pockets increase the engagement of the chain and lift wheel to provide smooth lifting with less vibration and reduced chain wear when properly maintained — ultimately extending the life of the chain.

**CLUTCH**
Located outside the gear box for easy access, the Clutch is designed to prevent lifting loads greater than rated capacity.
LIMIT SWITCH
Adjustable screw limit switch that automatically stops the hook at any predetermined point when either lifting or lowering. Limits are field-configurable and can be adjusted to the specific application.

INTERNAL CHAIN GUIDE
The stamped steel Chain Guide, coated for corrosion resistance and quiet operation, keeps the load chain and liftwheel aligned during operation.

BRAKE
Heavy Duty DC Brake is standard. AC Brake and Double DC Brake are also available.

SUSPENSION
Rigid Upper Hook Suspension is standard on every Lodestar. Swivel hook optional. Push, hand-geared, and motorized trolley suspension optional.

GEAR BOX
Precision helical gearing is grease lubricated for quiet, smooth operation, and long service life.

LOAD CHAIN & HOOK
Both the Hoistaloy® Load Chain and Forged Steel Hook are manufactured in the USA by Columbus McKinnon. This ensures full compatibility and the highest quality control standards are met at all times. Load Chain is zinc plated for protection against corrosion, and is 100% proof tested.

FABRIC CHAIN CONTAINER
Standard on every Lodestar
KNOW HOW...KNOW WHY
Columbus McKinnon is a global leader in providing expertise and training in the proper use and inspection of rigging and overhead lifting equipment. With a range of comprehensive programs and seminars conducted at venues throughout North America, as well as on site at private companies and industries, Columbus McKinnon courses include:

- Hoist Maintenance
- Load Securement
- Crane & Hoist Inspection
- Mobile Crane Operator
- Rigging
- Safe Hoisting
- Crane Operator Training
- Rigging Gear Inspection

In addition, classes are available at the new state-of-the-art Hoist & Rigging Training Center of Excellence in the Center for Occupational Health and Automobile Manufacturing (COHAM) lab located at The Ohio State University. The COHAM lab is a hands-on learning center which allows attendees to understand how to properly use and inspect overhead lifting equipment. This leading edge training program is designed to increase workplace productivity and safety in an ergonomically-friendly training environment.

In addition to the strong knowledge base exemplified by comprehensive training programs, Columbus McKinnon is one of the only manufacturers supplying complete lifting systems to satisfy unique material handling requirements of users in a variety of environments. From jib cranes and hoists to chain slings, clamps, and related attachments; systems include products that are matched specifically to the lifting needs of the application. Products may also be modified in order to ensure that the proper system is in place for the job.

Whether your needs call for a single Lodestar® electric chain hoist or a completely engineered system to outfit your production facility, Columbus McKinnon provides the products and expertise to keep your workforce productive and safe.

Phone: (800) 888.0985 • (716) 689.5400 • Fax: (716) 689.5644 • www.cmworks.com
**LODESTAR®**
**ELECTRIC CHAIN HOIST**

**2-TON, SINGLE-REEVED**

The CM® Lodestar® is now available as an economical 2-ton, single-reeved unit that’s ideal for a variety of industrial lifting applications. And, because it’s a single reeved unit, the design prevents the lower hook block from capsizing and damaging the hoist.

**BENEFITS & FEATURES**

**LESS MAINTENANCE & EASIER INSPECTION**
- Brake location allows for quick access and easy inspection.
- Lifetime grease-lubricated Gear Box means no oil change is required.
- Clutch located outside the Gear Box allows for easy access which eliminates the need for complete disassembly and reduces downtime.

**IMPROVED SERVICEABILITY**
Easy access to the Clutch, Motor, Electrical Control Panel and Brake Assembly.

**LONGER SERVICE LIFE**
- Heavy-duty DC brake is designed for a long service life.
- Lifetime grease-lubricated Gear Box and helical gearing ensures better wear and smooth operation. Heavy-duty rated motors.

**IMPROVED LOAD SAFETY**
Clutch is located outside the load path preventing slipping of the load in an overload condition when the brake is not powered.

**IMPROVED CHAIN LIFE**
5-Pocket Lift Wheel provides better chain and lift wheel engagement for smoother lifting and reduced vibration equating to less wear and a longer chain life. Zinc plating protects chain from environmental conditions.

**EASY ACCESS CONTROL PANEL**
Finger-safe wiring and plug-and-play connectors on the Control Panel allow for quick voltage change, easy access to terminal strips and simple fuse installation.

**ZINC PLATED LOAD CHAIN**
Designed and manufactured in the USA by Columbus McKinnon. 10 millimeter, zinc plated Star Grade load chain protects against corrosion.

**ADJUSTABLE LIMIT SWITCH**
Easy-to-adjust screw limit switch automatically stops the hook at any predetermined point when either lifting or lowering, preventing overtravel.

**OVERLOAD PROTECTOR**
Helps prevent lifting of dangerous overloads.

**METRIC RATED**

**LIFETIME WARRANTY**
The industry’s best warranty against manufacturing and material defects.

**FABRIC CHAIN CONTAINER**
Standard up to 20 ft lift.

**RIGID HOOK SUSPENSION**
Dimensions (in inches) are RRS model CM Lodestar 2 Ton Reeved with Swivel Latch Type Hook Suspension.

**OPTIONAL FEATURES**

**DOUBLE DC BRAKE**  
Two independent acting DC Brakes for redundant braking. Field installation kit available.

**VARIABLE SPEED DRIVE (VFD)**

**PRIMARY & SECONDARY TRANSFORMER FUSING**

**ROTATABLE LIMIT SWITCH**  
Designed for quick reset of limit position.

**METAL CHAIN CONTAINERS**