



# KITO

PRODUCT CATALOGUE

# MEET OUR FLEET.

EXPERIENCE KITO'S  
UNMATCHED TECHNOLOGY,  
DURABILITY AND SAFETY.

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WITH OUR SMOOTH-RUNNING TROLLEYS,  
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**TRUSTED AT  
THE TOP OF  
THE WORLD.**

**TRUSTED  
DEEP BELOW  
THE EARTH'S  
SURFACE.**



**TRUSTED IN  
THE MIDDLE  
OF NOWHERE.**



Kito's story begins near Tokyo, Japan in 1932 when Miyoshi Kito, an independent-thinking, die-hard engineer, opened his own manufacturing factory. From those early years until today, Kito Corporation has been continuously involved in the development, production and sales of world-leading hoists, cranes and accessories.

# KITO PROVEN EVERYWHERE

One secret behind Kito's success is our in-house chain technology. We produce more than 150 chain types using our own automatic chain-making equipment, with a production capacity that exceeds 3,000 kms per year. Kito's unique steel composition optimizes ductility, tensile strength and corrosion resistance while also being remarkably lightweight. This not only makes the Kito chain stronger and more durable; its smaller links also allow us to reduce the hoist's size and weight without sacrificing an ounce of performance or safety.

**LEVER HOISTS**

**A HERO.  
EVEN AT  
40 BELOW  
ZERO.**

GET COLD-WEATHER CERTAINTY WITH OUR SMALLEST,  
LIGHTEST AND STRONGEST LEVER HOISTS.



**LB SERIES**  
Industrial Lever Hoists

**LX SERIES**  
Mini Lever Hoists

# LB

## A LIGHTWEIGHT HOIST THAT'S ANYTHING BUT A LIGHTWEIGHT.

The LB forged an entirely new, industry-leading benchmark by being smaller, lighter and stronger than any other lever hoist on the market. Its proven strength and durability stand up in an endless array of gruelling applications, including environments where temperatures drop to a bone-chilling -40°C.

### Fail-Safe Freewheel System

Our widely acclaimed fail-safe freewheel system closes the gap between operator safety and load control. Developed in-house 30 years ago, the freewheel mechanism was intentionally created as a two-step process to eliminate the risk of accidental free-chaining.

### Patented Hardening Process

An advanced high-frequency heat-treating process ensures uniform hardness on all key load bearing parts. The process creates a truly rugged hoist you can confidently take into any environment.

### State-Of-The-Art Chain Technology

Kito has successfully established a world-renowned reputation for manufacturing a lighter-weight, ultra-strong, high-performance load chain. What's more, the LB Grade 100 chain uses a shorter and narrower link profile for greater surface area contact, which improves wear resistance and overall tensile strength.

### Safety Tip Hook and Latch

Taking a hoist off duty because of a damaged or broken hook latch is unacceptable. The notched hook latch on the LB is engineered to engage the tip of the hook to protect against lateral impact damage. A widened anchor at the base increases rigidity and extends the service life of the hoist.

### Structural Steel Side Plates

Regionalized heat-treated side plates provide extreme rigidity to maintain proper body shape and operating efficiency. This heat treatment process also prevents abrasion to the load chain during contact with the side plates.

### OPTIONS

- Top hook extender
- Point load hook
- Inspection hook
- Black chain for heavy welding applications
- Custom lift lengths to suit requirements



LB-SC Optional Slip Clutch



Patented Hardening Process



Structural Steel Side Plates



State-Of-The-Art Chain



Safety Tip Hook and Latch

# LX

## SMALL IS THE NEW HUGE.

Don't be fooled by its award winning pocket-sized design: The LX is no lightweight. Its robust aluminum housing, tip-supported hook latches and heat-treated gears make this a tiny, high-performance hoist. Its extreme precision placement can position a load exactly where you want it. The 1/4t model weighs only 4 lbs, making it ideal for work in tight quarters or elevated locations.

### Tough Aluminum Body and Steel Frame

Its lightweight and extremely compact aluminum body make the LX your ideal tool for elevated or difficult-to-reach places. Tools aren't always treated with the respect they deserve, which is why the rugged steel frame provides long-lasting, high-strength support.

### Unmatched Precision Placement

A top choice for contracting or millwright professionals who need a precision placement tool that will lift, hold or tension a load to within millimetre accuracy. The LX requires very low force to lift loads and provides unmatched positioning capabilities when you need them most.

### Quick Free-Chain and Hook Positioning

Hook positioning is simple with the integrated free-chain adjusting mechanism on the LX. With one hand, you can easily switch from up or down mode to release the load from the hook and reposition in seconds.

### Abrasion and Corrosion-Resistant Load Chain

The standard grade 100, nickel-plated chain on the LX is designed to stand up to abrasion and corrosion, which keeps your hoist working when you need it. It withstands corrosive environments where damp air, steam and many acidic and alkaline solutions are prevalent.

### Award-Winning Pocket-Sized Design

Recognized and awarded for its pocket-sized design, the LX Mini Lever hoist is the go-to tool when you're looking for a mini lever hoist with a proven performance record.

### OPTIONS

- A carrying case can be attached to your belt for added convenience (LX003)
- Lift lengths can be customized to suit requirements



Aluminum Body and Steel Frame



Free-Chain and Hook Positioning



Abrasion & Corrosion Resistant



Optional Carrying Case

## HAND CHAIN HOISTS

# UP FOR IT. EVEN DOWN HERE.

LIFE'S TOUGH UNDERGROUND, BUT  
OUR MANUAL HOISTS ARE TOUGHER.

**CB SERIES**  
Hand Chain Hoists

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**HCB SERIES**  
High-Speed Hand  
Chain Hoists

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**RCB SERIES**  
Spark-Resistant Hand  
Chain Hoists

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**SHB SERIES**  
Ultra Low-Headroom  
Hand Chain Hoists

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**CX SERIES**  
World's Smallest  
Hand Chain Hoists

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**CF SERIES**  
Aluminum Body  
Hand Chain Hoists

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# CB



# HCB



## PULL YOUR WEIGHT – AND WAY MORE.

The CB proves its unmatched pulling power in the most extreme conditions. Exceptional, heavy-grade components make this a long-lasting workhorse that tackles severe -40°C temperatures and truly hostile Northern winters.

### Premium Grade Components

Kito's special heat-treating process ensures the CB's internal components are of the highest possible grade and provide the utmost in long-lasting durability.

### High-Impact Steel Housing

The CB has a rugged body and hand wheel cover made of heavy gauge high-impact steel, giving much-needed protection in extreme conditions and demanding applications to see every job through to the end.

### Bearing-Supported, High-Strength Pinion

Kito's one-piece machined pinion offers increased strength and rigidity by keeping its gears aligned and running smoothly for greater efficiency during full-capacity lifts. The strategically positioned bearings efficiently convert an operator's input directly into lifting power to minimize worker strain and enhance safety.

### Abrasion-Resistant Load Chain

Made from heat-treated alloy steel for higher uniform strength, Kito's legendary chain is second to none. It not only guards against scarring and wear, it keeps workers safer on the job by being the strongest chain on the market.

### Maintenance-Free Slip Clutch (optional)

The CB's optional slip clutch protects the hoist and operator from damage in the case of an excessive overload. This feature keeps the hoist working safely while reducing costly downtime and repairs, and maximizing overall job site safety.

### OPTIONS

- Chain container to keep chain clean and out of the way
- Slip clutch to protect from damaging overloads
- Corrosion-resistant chain for demanding environments
- Lift lengths can be customized to suit requirements
- Plain or geared trolley



Premium-Grade Components



High-Impact Steel Housing



Abrasion-Resistant Load Chain



Bearing Supported Pinion

## GEAR CHANGING THAT'S GAME CHANGING.

Save time and increase efficiency with the world's first dual-speed manual chain hoist. Kito's innovative magnetic clutch technology senses the load and changes gears automatically to work seven times faster when repositioning an unloaded hook. The result is a significant reduction in labour costs and operator fatigue – something your workers and your accountant will appreciate.

### The First Clutch of its Kind

Work up to seven times faster and reduce operator fatigue during large-capacity lifts. The HCB's innovative quick-clutch technology detects torque as the operator pulls on the hand chain, which can reduce man-hours and related costs.

### Safe, Reliable Mechanical Brake

The HCB gives you added protection with its double pawl springs, providing redundancy and extra-reliable operation of the brake mechanism. With a double-enclosed brake cover, you can be sure that dust, rain and dirt are kept out, and that the mechanical brake activates instantly.

### Automatic Speed Control

In an unloaded or lightly loaded state, a magnetic clutch is automatically activated, allowing the hoist to operate in high-speed mode. Once a load heavier than approximately 10 per cent of capacity is applied, the magnetic clutch releases and the standard clutch activates, putting the hoist back into standard-speed mode.

### All-Steel Gear Case & Hand Wheel Cover

Increased strength and dependability can be expected from the HCB's rugged steel housing and double steel-plate construction. When your lifting application needs high performance and unmatched durability, the HCB delivers.

### Efficient, Maintenance-Free Sealed Bearings

Low maintenance features like sealed bearings minimize the manual effort required to operate the hoist and protect from contamination providing years of worry-free service.

### OPTIONS

- Chain bag to keep chain clean and out of the way
- Corrosion-resistant chain for demanding environments
- Custom lift lengths to suit your requirements
- Plain or geared trolley mount for improved load control



Quick Clutch Technology



Maintenance-Free Sealed Bearings

# RCB



## ALWAYS SAFE. NEVER SORRY.

The RCB's spark-resistant design is certified to ATEX standards to ensure safer lifting in dust-laden or explosive gas atmospheres. The RCB is specifically designed for use in petroleum and pharmaceutical, or any application where safety is improved by the use of anti-sparking equipment. Be sure to look for the ATEX mark to know that your hoist is safe to use in environments with combustible gases, vapours and dusts.

### Conforms to ATEX Standards

The RCB hand chain hoist conforms to the European ATEX directive 94/9/EC for certified use in potentially explosive atmospheres. ATEX is a multi-level technical standard mandatory in the European Economic Area (EEA) for using equipment in dust-laden or explosive atmospheres.

### Spark-Resistant Hand & Load Chain

The same premium chain as on any Kito hoist but with added protection from accidental sparks. The RCB comes standard with our stainless steel hand chain and nickel-plated load chain.

### Spark-Resistant Copper-Plated Bottom Hook

From top to bottom, the RCB protects you with added safety features like the standard copper plated bottom hook designed to resist sparks at the point of contact.

### Optional Spark-Resistant Trolley Wheels

The RCB can be optionally paired with a spark-resistant plain or geared trolley that is also equipped with spark-resistant features. Solid bronze trolley wheels are available on models 2t and lower, and bronze-plated trolley wheels on the 3t model.

### Max Equipment Temperature 135°C

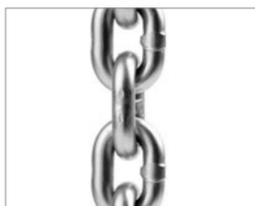
Potentially explosive atmospheres often relate to high temperatures. The RCB is proven to take the heat and will safely operate at a max equipment temperature of 135°C.

### OPTIONS

- Custom lift lengths to suit your requirements
- Plain or geared trolley mount for improved load control



Conforms to ATEX Standards



Spark-Resistant Hand & Load Chain

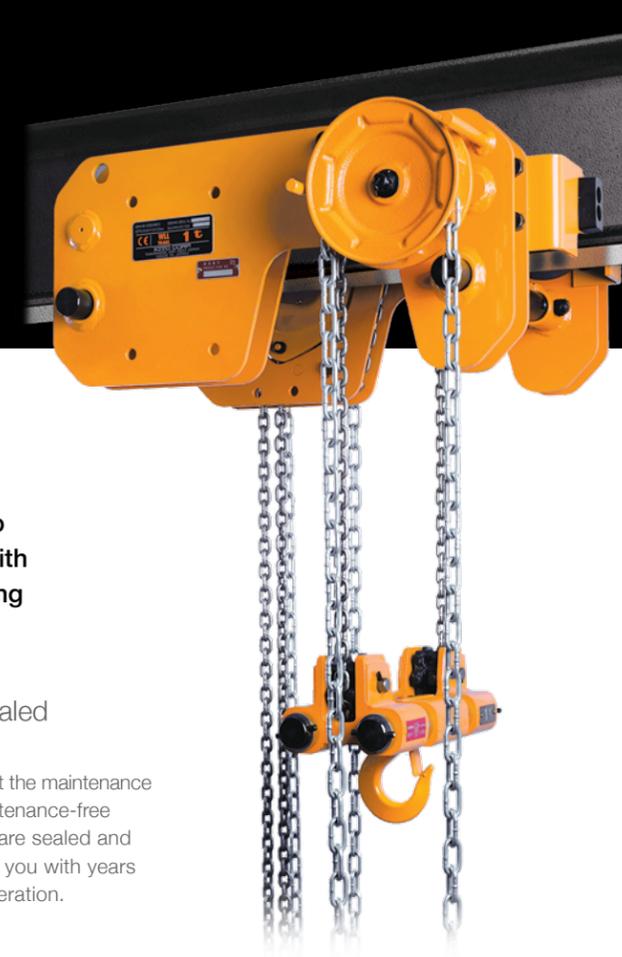


Copper-Plated Bottom Hook



Spark-Resistant Trolley Wheels

# SHB



## LIFT RIGHT WHEN SPACE IS TIGHT.

Sometimes there's just not enough room above a load to use a standard hoist. The low-profile SHB hoist and trolley combo works where others can't. Built around the quality CB hoist with headroom as low as 4.5 inches, the SHB is ideal for demanding industrial-lifting applications where space is extra tight.

### Ultra Low-Profile Lifting & Maximum Hook Travel

With headroom as low as 4.5 inches, the SHB lets you use every inch of available space. The short headroom feature is specifically engineered to provide you with maximum hook travel that meets the demands of your constricted lifting application.

### Integrated Hand-Geared Trolley

Engineered to function as a single unit, the SHB integrates the proven performance and durability of Kito's standard CB Hoist with a permanently attached, industrial grade, hand-gear trolley.

### Heavy-Duty Wheels & Steel Side Plates

Heavy-duty lifting applications need heavy-duty equipment that can stand up to your demands. The SHB's cast trolley wheels and structural steel side plates take the weight and provide rigid support and reliability at the same time.

### Maintenance-Free Sealed Trolley Bearings

Focus on the task at hand, not the maintenance of your equipment. The maintenance-free trolley bearings on the SHB are sealed and lifelong-lubricated, providing you with years of smooth, reliable, quiet operation.

### Contoured Wheels

Trolley wheels on the SHB are designed to work with both tapered and flat-flanged beams.

### OPTIONS

- Chain bag to keep chain clean and out of the way
- Corrosion-resistant chain for demanding environments
- Custom lift lengths to suit your requirements



Ultra Low-Profile Lifting



Integrated Hand-Geared Trolley



Heavy-Duty Steel Side Plates



Maintenance-Free Sealed Bearings

# CX

## A BEAUTY ON THE OUTSIDE. A BEAST ON THE INSIDE.

With its smooth lines, integrated aluminum body and impossibly small size, the CX might seem better suited for displaying than working. Not true. The CX is a remarkable engineering achievement in both design and performance, weighing in at less than 6 lbs with a lifting capacity of 550 lbs. Its heat-treated gears and innovative brake system are sealed to protect against damage from dust and water, and its hooks have tip-supported latches and wide openings to perform jobs big or small.

### The World's Smallest Hand Chain Hoist

Excellence in engineering led to the development of the world's smallest industrial hoist – the CX. This uniquely compact and lightweight manual hoist is the perfect solution for light loads in high or difficult-to-reach places.

### Advanced Design Overload Limiter

Prevent accidents before they happen and enhance workplace safety with protection against excessive overloading. The CX comes standard with an advanced design overload limiter that recognizes an over-capacity lift and keeps your load stationary.

### Tough, Lightweight Aluminum Housing

The CX gives you a unique combination of portability and extreme durability with its lightweight, die-cast aluminum housing. Take this little hoist with you everywhere for the small jobs that require big dependability.

### Wide Top and Bottom Hook Openings

Designed for easy installation and load attachment, the CX offers wide top and bottom hook openings that can easily attach to almost any secure mounting point. Rotating top and bottom hooks also provide added flexibility to meet your lifting needs.

### Completely Sealed Gears and Brake

Completely sealed brake and gearing give you added protection against damage from dust and water, which makes maintenance simple and keeps your hoist performing longer.

### OPTIONS

- Lift lengths can be customized to suit requirements
- Carrying bag for improved portability



# CF

## THE SIMPLE SOLUTION FOR HARD WORK.

The CF exemplifies simplicity in design while making zero compromises on performance. Its die-cast aluminum body reduces the hoist weight and won't corrode when exposed to the elements. Plus, the proven 1:1 gear ratio makes it a fast hoist that's reliable and maintenance-friendly. The CF is simply the best choice when you need an economical hoist that doesn't skimp on toughness.

### Lightweight Die-Cast Aluminum Housing

The CF hand chain hoist offers a rugged die-cast aluminum body, which provides exceptional strength and durability.

### Heat-Treated Main Pinion Shaft

Tackle tough demands with a hoist that's built with high-strength, heat-treated parts. The main pinion shaft and load gear on the CF are engineered for non-stop performance.

### Reliable Weston-Style Load Brake

The Weston-Style Load Brake is one of the most important inventions in the hoisting industry. With two moisture-resistant brake pads and four braking surfaces, the CF gives you positive stopping action.

### Smooth-Running, Pre-Lubricated Bearings

Manual effort is minimized thanks to the CF's smooth-running, pre-lubricated ball bearings. Get a longer-lasting, smoother-operating hoist with precision-machined drive train components that make lifting easy.

### Fewer Parts Means Simpler Maintenance

Engineered with fewer parts for simplified maintenance, the CF hand chain hoist makes it easy for you to inspect, clean and keep on lifting.

### OPTIONS

- Nickel-plated chain for corrosive environments
- Lift lengths can be customized to suit requirements



World's Smallest Hand Chain Hoist



Advanced Design Overload Limiter



Tough, Lightweight Housing



Wide Top &amp; Bottom Hook Openings



Die-Cast Aluminum Housing



Weston-Style Load Brake



Pre-Lubricated Bearings



Heat-Treated Main Pinion Shaft

**ELECTRIC HOISTS**

# HOT & HEAVY. THIS HOIST LIVES FOR BOTH.

TENACIOUS ELECTRIC HOISTS DESIGNED  
FOR INTOLERABLE CONDITIONS.



**ER SERIES**

Three-Phase  
Electric Chain Hoists

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**FER SERIES**

Three-Phase Electric  
Food Grade Chain Hoists

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**SER SERIES**

Single-Phase  
Electric Chain Hoists

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**ED SERIES**

Single-Phase, High-Speed  
Portable Electric Chain Hoists

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**EDCL SERIES**

Single-Phase, Cylinder-Controlled  
Electric Hoists

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**RHN SERIES**

Deck or Trolley Mount  
Wire Rope Hoists

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ER

**ENGINEERED TO ENDURE.**

The ER electric hoist is designed for peak performance – even on the toughest jobs in the toughest conditions. Its quiet operation and minimal vibration lowers workplace noise pollution, helps reduce worker fatigue and extends the life of the hoist. Practical durability at its best, the ER lets you get the job done safely and worry free.

**Smart Brake Technology**

The ER's Guardian Smart Brake has an electrical fail-safe design that uses DC current to control brake activation. The fast activation drastically reduces wear on the brake discs, preserving the correct brake gap. The result is a maintenance-free braking system with a 10-year/2,000,000 activation cycle warranty.

**Extreme-Duty TEFC Motor**

Equipped with thermal overload protection and cooling fins on all four sides of the motor housing, the ER's Totally Enclosed, Fan-Cooled (TEFC) motor efficiently dissipates heat, allowing for industry-leading duty ratings.

**Variable Frequency Drive**

Kito's 220 V and 440 V two-speed hoists come with a standard "under-the-cover" variable frequency drive. This device works by varying the power to the motor, allowing you to adjust both the high and low speeds. The VFD also adds soft-start/soft-stop operation to reduce shock loads and swing and bounce, giving you more precise load control and increasing the life of the hoist.

**State-Of-The-Art Chain Technology**

The ER uses Kito's world-class, super-strength chain. Its shorter and narrower link profile allows for greater surface area contact, giving it better wear resistance and overall tensile strength.

**Count Hour Meter**

The count hour meter records the hoist's starts and run time. This gives maintenance personnel an accurate record of the hoist's operating profile, letting them customize its maintenance schedule to optimize the hoist's life and improve workplace safety.

**OPTIONS**

- Plastic, canvas or steel chain containers
- Long lift chain container
- Lift lengths can be customized to suit requirements
- Plain, geared or motorized trolley mount

220  
VOLTS440  
VOLTS575  
VOLTS10 YEAR  
BRAKE  
WARRANTY

Smart Brake Technology



State-Of-The-Art Chain



Count Hour Meter

FER

FOOD  
GRADE**WORK CLEAN WITH CONFIDENCE.**

For lifting applications in food, beverage and pharmaceutical industries – where maintaining a pristine environment is critical – the FER food-grade electric chain hoist is the one to choose. Food-grade lubricants used on the load chain and in the gearbox are NSF H1 compliant for safe use in any facility where incidental contact with product is a concern. The standard model also features white epoxy paint, stainless steel/nickel-plated hardware and a nickel-plated load chain, making the FER the perfect choice for contaminant-controlled or corrosive processing environments.

**Corrosion-Resistant Nickel-Plated Load Chain**

The standard grade 100 nickel-plated load chain on Kito's electric food-grade hoist is engineered to stand up to corrosion in environments where damp air or steam are prevalent.

**Chip-Resistant Epoxy Paint**

Avoid contaminants from your lifting equipment. The white, chip-resistant epoxy paint on the FER hoist body protects you from debris that could contaminate your processing facility.

**Chip-Resistant Bottom Hook**

The bottom hook often comes into direct contact with product. Food-grade features like the chip-resistant paint on the bottom hook of the FER are designed to resist potential contamination from flaking and chipping.

**Food-Safe Oil, Grease and Lubricants**

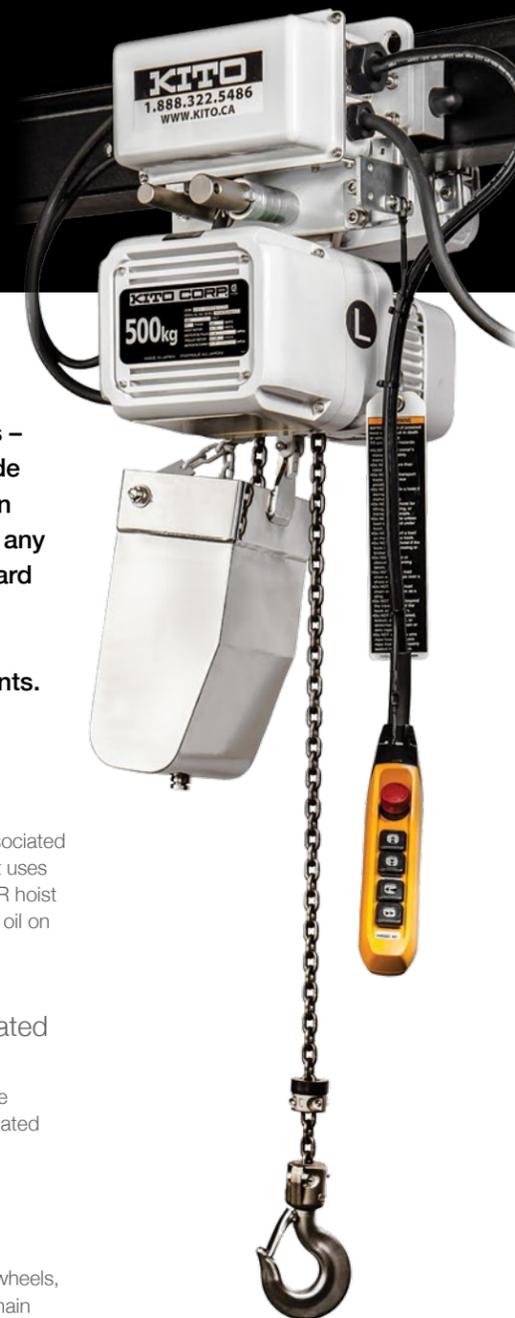
Pharmaceutical, beverage and food-associated processing plants require equipment that uses non-toxic lubrication. That's why the FER hoist provides NSF H1-compliant grease and oil on the load chain and in the gearbox.

**Stainless Steel and Nickel-Plated Components**

The standard food-grade features on the FER include stainless steel and nickel-plated hardware that won't rust or corrode.

**OPTIONS**

- Stainless steel bottom hook, trolley wheels, side guide rollers, chain container, chain spring, limiting plate and rubber cushion
- Nickel-plated suspension shaft and suspender
- Protective silicone pendant cover

**ER/FER OPTIONS****HOOK MOUNT****PLAIN TROLLEY MOUNT****GEARED TROLLEY MOUNT****MOTORIZED TROLLEY MOUNT**

## SER

## ED

110  
VOLTS115  
VOLTS220  
VOLTS120  
VOLTSHOUSEHOLD VOLTAGE.  
INDUSTRIAL POWER.

Need a 115V or 220V single-phase hoist with the duty cycle of a three-phase hoist? Look no further than the SER. Designed to exceed H4 duty ratings, the SER is equipped with a TEFC motor and a maintenance-free, self-adjusting, pull-rotor brake. That means you'll get a single-phase hoist that's able to handle the long lifts and long shifts of any industrial job.

Extreme-Duty, Single-Phase  
Fan-Cooled Motor

The SER electric hoist is equipped with a 60-minute H4-rated motor which is unmatched in a single-phase offering. Built for extremes, the SER delivers proven performance in the most demanding applications.

Self-Adjusting  
Maintenance-Free Brake

With no brake coil to fail or discs to replace, the electromagnetic pull-rotor brake on the SER is self-adjusting and virtually maintenance free.

## Long-Life Friction Clutch

The friction clutch is designed to last so you can focus on the job at hand. Keep lifting longer with protection from overloading and overwinding, which can damage the hoist.

## Heavy Cast-Iron Chain Guide

The heavy cast-iron chain guide provides quiet and smooth chain movement. Easily removed without disassembly of the hoist, it allows for easy maintenance in demanding heavy-duty applications.

Oil Bath-Lubricated,  
Heat-Treated Gearing

Kito's own heat-treating process increases the overall hardness and strength of internal parts, which run smoothly when immersed in an oil bath. This extends service life by reducing friction, vibration and heat.

## OPTIONS

- Plastic, canvas or steel chain containers
- Lift lengths can be customized to suit requirements
- Plain or geared trolley mount

## LITTLE HOIST. LOTS OF POWER.

Plug the ED into any standard 115V wall socket and you're ready to lift. With speeds up to 44fpm, you'll be amazed that such a small hoist moves so quickly. Designed for productivity and portability, the ED also offers a variable-speed option to adjust the speed to best suit your application.

## High-Speed Motor

The ED electric hoist is a quick-lifting, single-phase speed demon available in a variety of configurations. The compact DC motor reduces weight, generates less heat and maintains duty cycles to keep production moving.

Standard  
Double-Braking System

Get double the protection with a Weston-Style mechanical load brake plus a regenerative brake.

## Quiet, Smooth Operation

With bearings immersed in an oil bath, you can hear how smoothly the ED electric hoist operates. That reduced friction results in less noise and vibration, which extends the hoist's service life.

## Integrated Friction Clutch

Integrated with the load brake, the high-performance friction clutch on the ED is engineered to protect against overwinding or overtravel, which can damage the hoist and cause downtime.

## Durable Heat-Treated Gearing

Kito's own heat-treating process increases the overall hardness and strength of internal parts for increased resistance to wear. Our three-step process of bright heat treatment, case hardening and induction guarantees the ED gives you outstanding performance.

## OPTIONS

- Dual speed units available
- Plastic, canvas or steel chain containers
- Lift lengths can be customized to suit requirements
- Hook or manual trolley mount
- TMH Mini Trolley designed to work exclusively with the ED hoist



Single-Phase Fan-Cooled Motor



Maintenance-Free Brake



Heavy Duty Cast-Iron Chain Guide



Heat-Treated Gearing

# EDCL



## SINGLE-HANDED OPERATION. SINGLE-PHASE POWER.

Add an ergonomic cylinder control to Kito's variable-speed ED hoist that operates on standard 115V and you have a recipe for incredible productivity. The EDCL is at home on any production line, while still being small enough to move between job sites. It's a formidable combination that's sure to add valuable flexibility to any operation.

### Ergonomic In-Line Handgrip Control

The ergonomic, in-line handgrip control allows for single-handed operation, which gives the operator a free hand to safely guide and position the load.

### Easy-Touch High/Low Speed Selection

The easy-touch rocker switch above the handgrip allows you to quickly select between low and high speeds.

### Quick-Switch Removable Bottom Hook

For specific applications where you need an alternative lifting accessory, the EDCL gives you the option to easily remove the standard bottom hook and attach a variety of below-the-hook material handling devices that safely fit your application.

### High-Speed Motor

The EDCL electric hoist is a quick-lifting, single-phase speed demon available in a variety of ergonomic configurations. Its compact DC motor reduces weight, generates less heat and maintains duty cycles to keep production moving.

### Standard Double-Braking System

Get double the protection with a Weston-Style mechanical load brake plus a regenerative brake.

### OPTIONS

- Dual speed units available
- Plastic, canvas or steel chain containers
- Hook or manual trolley mount
- TMH Mini Trolley designed to work exclusively with the ED hoist

120  
VOLTS



Ergonomic In-Line Handgrip Control



Easy Touch Speed Selector



Removable Bottom Hook



Standard Double Brake System

# RHNN



## BRAINS AND BRAWN MEAN SAFE AND SOUND.

RHN wire rope hoists from Harrington are designed and built for today's heavy-duty applications. The RHN's state-of-the-art engineering and construction feature a block-operated limit switch, graphite cast-iron rope guide and premium wire rope. The hoist's compact modular design and short-end approach mean you can still get the longest hook travel possible in places with minimal headroom. The RHN protection unit (RPU) is the brain of this hoist and will disable the unit when someone attempts a lift that's over capacity, preventing injuries and damages on the job site.

### Premium Wire Rope

Wire rope is an extremely important safety feature on the RHN. Its premium wire rope provides high resistance to fatigue and wear, which keeps the device lifting longer and more safely.

### Graphite Cast-Iron Rope Guide

The RHN's high-strength, cast-iron rope guide keeps the rope on track and securely in the groove of the drum. This leads to reduced wear and increases the service life of the hoist.

### Built-In Load Limiter

Reduce the potential for making dangerous over-capacity lifts. In the event of an overload, the RHN will activate the load limiter sensor and prevent the hoist from lifting.

### Enclosed, Fan-Cooled Motor

Get maximum cooling and durability with the RHN's Totally Enclosed, Fan-Cooled (TEFC) motor. Features like Class F insulation, a ribbed frame and positive temperature control thermal sensors are just a few reasons the RHN's motor is built for performance.

### Heavy-Duty Electromagnetic Brake

A totally enclosed and fan-cooled electromagnetic brake ensures the RHN provides continuous stopping action. The brake is easy to inspect and is rated for one million cycles.

### OPTIONS

- 208, 230, 460, or 575 volt three-phase power
- 20' or 33' lift options through 15 tonnes
- Custom pendant and power cord lengths available

208  
VOLTS

230  
VOLTS

460  
VOLTS

575  
VOLTS



Premium Wire Rope



Graphite Cast Iron Rope Guide



Built-In Load Limiter



Totally Enclosed Fan-Cooled Motor

AIR HOISTS

# DEFY GRAVITY.

AIR HOISTS WITH PRECISE FEATHERING CAPABILITIES FOR THE CONTROL YOU NEED.



**TCR SERIES**

High-Capacity, Accurate  
Air Hoists

**TCS SERIES**

High Speed Air Hoists

# TCR

# TCS



## 100% QUALITY, 100% OF THE TIME.

If you need a hoist with 100 percent duty ratings, fine-feathering controls and quiet operation, you'll love the TCR pneumatic hoist. Lift all day and all night with this workhorse. Smooth starts and stops with variable-speed operation provide extremely accurate load positioning and control. Put this hoist on the top of your list when you need productivity and precision for years on end.

### Fine Feathering Control

The spring-loaded, multi-vane motor design lets you place and position a load exactly where you need it. Gradually control the lift with fine feathering movements both up or down.

### Reduced Noise Levels

An external muffler gives you quieter operation and dampened noise levels with no load. The TCR's airtight body contributes to its comfortable noise levels and makes efficient use of air.

### Unlimited Duty Cycle

The TCR air hoist is built for long and demanding work shifts. With its unlimited duty cycle, you can continually operate the hoist without worrying about damage from excessive starts per hour.

### Adjustable Load Limiter

Protect the hoist and operator while avoiding downtime. The TCR's adjustable built-in load limiter is pre-set to stop lifting when the rated load capacity has been exceeded. This keeps your job site safer.

### High-Strength Cast-Iron Housing

Proven to be resistant in harsh environments, the TCR's high-strength cast-iron housing provides a rugged body that stands up to the toughest demands.

### OPTIONS

- Pendant or cord control to meet your needs
- Chain bag to keep chain clean and out of the way
- Custom lift lengths to suit your requirements
- Plain, geared or air trolley mount



Multi-Vane Motor



Cast Iron Housing



External Muffler

## FASTER NOW COMES STANDARD.

Time is money. For applications where speed is critical, the TCS air hoist gives you the ability to get things done faster and be more productive.

### Fine Feathering Control

The spring-loaded, multi-vane motor design lets you precisely control, place and position a load exactly where you need it. Gradually control the lift with fine feathering movements either up or down.

### OPTIONS

- Pendant or cord control to meet your needs
- Chain bag to keep chain clean and out of the way
- Custom lift lengths to suit your requirements

### Compact, Lightweight Design

Easy to operate, transport and store, the TCS air hoist is also engineered to be extremely compact and lightweight thanks to its durable cast aluminum body.

### Adjustable Speeds

Increase your production capabilities with the TCS air hoist's adjustable lifting and lowering speeds.

### Unlimited Duty Cycle

The TCS air hoist is built for long and demanding shifts. With its unlimited duty cycle, you can continually operate the hoist without worrying about damage from excessive starts per hour.



Compact, Lightweight Design

**CRANES & ACCESSORIES**

**RIGHT PLACE.  
RIGHT TIME.  
EVERY TIME.**

INCREASE PRODUCTIVITY AND LOAD CONTROL WITH  
OUR SMOOTH-RUNNING TROLLEYS AND END TRUCKS.



**MR SERIES**  
Three-Phase, Heavy-Duty  
Motorized Trolleys

**TS SERIES**  
Manual Trolleys

**HPC SERIES**  
End Trucks

**UBC SERIES**  
Universal Beam Clamps

# MR

## ONE SMOOTH OPERATOR.

Add an MR motorized trolley to your Kito ER electric hoist and you'll increase productivity and decrease unwanted movement, so you can safely direct your load. Opt for an adjustable two-speed unit with a variable-frequency drive (VFD), and you'll also be able to set your speed preference and ensure super-smooth starts and stops every time.

### Easy Access Suspension

Quickly change from hook to lug for trolley mount configurations on most models. The MR trolleys external suspension pins allow you to make rapid modifications on the fly.

### Perpendicular Orientation

MR motorized trolleys come standard with a perpendicular configuration to the beam but also allow for an optional parallel configuration if required.

### Adjustable Two-Speed Trolleys

Get excellent traversing motion and load control with a variable frequency drive (VFD). The MR trolley's programmable VFD provides gradual starts and stops to reduce unwanted movement while travelling.

### Drop Stops and Rubber Bumpers

Drop stops and rubber bumpers not only provide additional security for the operator, but also they protect the equipment against collisions.

### Innovative Side Guide-Roller System

Designed for very smooth travel along the beam, the MR motorized trolley uses an innovative side guide-roller system that reduces crabbing and keeps the load in control, and on track.

### OPTIONS

- Extended suspension shafts for wide flange beams
- High speed



- 220 VOLTS
- 440 VOLTS
- 575 VOLTS

# TS

## MACHINES IN MOTION.

The reliability, operational smoothness and safety of your hoist depends on the trolley. Heat-treated steel wheels, sealed bearings and a low-turn radius are just some of the benefits you get from a plain or geared trolley from Kito.

### Plain or Geared Trolleys

Perfect for traversing a load when electric power is not necessary or available, Kito's TS push/pull or geared trolleys can be paired with almost any Kito hoist.

### Heat-Treated Wheels

Heat-treated steel wheels on TS trolleys are hardened and made to last for a long, trouble free service life. Lifetime-lubricated ball bearings also increase reliability and provide you with smooth operation while traversing heavy loads.

### Low Minimum Turn Radius

For curved beams where tight turns are required, Kito's TS trolleys allow a low minimum turn radius.

### Fits Tapered or Flat-Flanged Beams

TS Trolley wheels will work with both tapered and flat-flanged beams, allowing you to use existing equipment without customization.

### OPTIONS

- Rubber bumpers
- Variety of suspenders



Adjustable Two-Speed Trolley



Side Guide-Roller System



Drop Stops & Rubber Bumpers



Plain or Geared Trolley



Fits Tapered or Flat-Flanged Beams

# HPC



## ALL THE RIGHT MOVES.

Kitos smooth-running end trucks are built with durable structural steel frames and ductile iron wheels for the freedom to safely move your load where you need it. Easily install in above or below the beam applications to give you the flexibility to accommodate most existing crane systems.

### HPC Convertable End Trucks

For quick and easy assembly, HPC end trucks are built using an all bolt system which lets you configure your end trucks specifically to your requirements for both underhung, or top running applications.

### Standard Drop Stops, Rail Sweeps and Rubber Bumpers

For added safety, all Kito end trucks come standard with drop stops, rail sweeps and rubber bumpers for continued safety along the beam and added protection from over travel.



Convertible Top-Running, or Underhung configurations

### TP/TG Top-Running End Trucks

TP push and TG geared end trucks are fabricated from structural steel tube and engineered for heavy-duty Class "C" crane applications. The unique side guide-rollers help to extend service life of the wheels and your rail system, and work to eliminate crabbing to provide low maintenance and extremely smooth traversing under load.

### Premium Grade End Trucks

Match the demands and requirements of your specific application with the best suited end truck for the job. With so many options and configurations you can optimize your operation for maximum efficiency.

#### OPTIONS

- Longer or shorter end truck lengths are available
- Push/pull, geared or motorized drive bridge assembly kit



TG - Top-Running Geared



UG - Underhung Geared



UP - Underhung Plain



TP - Top Running Plain

# UBC



## HOLDS TRUE EVERY TIME.

Kito's Universal Beam Clamp can be used as a temporary or semi permanent anchor point or as a below-the-hook device. You'll have peace of mind knowing the secure clamp uses proven, locknut protection to reduce the risk of loosening due to vibrations. Safe and functional, the UBC is also designed with a wide adjustable-jaw opening and a left- or right-hand adjustable clamp screw to suit your needs.

### Temporary or Semi-Permanent Anchor Point

Kito's Universal Beam Clamp is the perfect accessory when a temporary or semi-permanent hoist anchor point is required.

### Designed for Low Headroom

Take advantage of every inch of available headroom with the UBC's built in, low-profile suspension pin.

### Below-The-Hook Flexibility

The UBC offers a cost-effective method for most work holding and positioning applications and can also be used as a secure below-the-hook lifting attachment.

### Wide Jaw Opening

Install the UBC onto any tapered or flat-flanged beam to create a strong and safe anchor point. For industrial, construction, rigging or holding – the UBC can do it all.

### Locknuts that Stay Tight

Designed for added safety and to resist loosening, the UBC's locknut protection feature keeps things tight.

### OPTIONS

- Suspender for perpendicular mounting and over-sized hooks



Below-The-Hook Flexibility



Locknuts that Stay Tight



Designed For Low Headroom



Wide Jaw Opening

# TRUSTED FOR SAFETY

Kito's single most important objective is to safeguard the hardworking people who use our products. That's why our steel bodies are harder, our chains are sturdier, and each and every Kito component can better withstand punishing real-world conditions.

# TRUSTED FOR PERFORMANCE

Kito hoists are designed to thrive in some of the world's most abusive environments. In Canada, our gear is used everywhere from the depths of potash mines to the do-or-die conditions atop a wind turbine 300 metres in the air. Wherever you go in the True North, Kito is relied on to get the job done.

# TRUSTED FOR DURABILITY

Kito hoists are globally-recognized for being the last ones lifting, the last ones hanging, and the last ones pulling. Decades of specialized engineering and on-the-job testing have given our team industry-leading intel on how to create the world's sturdiest hoists, component by component.

## HOIST SAFETY AND REPAIR TRAINING

Kito's Hoist Safety & Repair Training programs give you access to in-depth experience and specialized knowledge from our Factory Representatives and Technical Trainers. Each session is developed to add value for our customers by providing instruction, technical support and safety awareness.

Kito will conduct any of our sessions at your facility or ours – free of charge. You will not only gain awareness of best practices of hoist safety, but you will also increase your work performance and efficiency. Register online today for any of the following programs:

- KITO ACADEMY
- PRODUCT KNOWLEDGE SESSION (PKS)
- CHAIN HOIST SAFETY ORIENTATION SESSION (SOS)
- CHAIN HOIST EQUIPMENT SAFETY CHECK
- REPAIR DEMONSTRATION CLINIC (RDC)
- HOIST REPAIR SCHOOL

# KITO

**PROVEN EVERYWHERE**

# KITO

## PROVEN EVERYWHERE

Kito Canada is proud to service our Canadian customers and to be an essential part of Kito's global network, which includes 16 international affiliates across six continents.

Contact Kito for further information or assistance with product selection. All specifications, dimensions and drawings are available online.

[WWW.KITO.CA](http://WWW.KITO.CA) 1 888 322 KITO (5486)

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