



MASTER GARAGE
DOOR

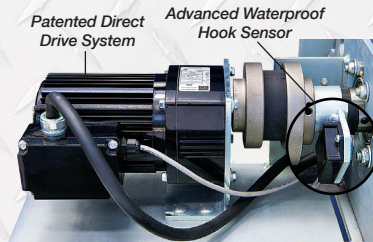
GANCHO AR-10K



FICHA TECNICA



MODEL AR-10K AUTOMATIC VEHICLE RESTRAINT FEATURING THE POWER-SAFE™ BATTERY RESERVE SYSTEM



SMART TECHNOLOGY, FEWER PARTS, LESS MAINTENANCE

The patented Direct Drive System and Advanced Hook Sensor replace moving parts that most likely fail in competing products. Eliminating these parts substantially reduces maintenance and downtime resulting in a lower cost of ownership.



STAY SAFE, ENGAGED, AND IN CONTROL (24-HR PROTECTION)

Located within the control panel, the POWER-SAFE™ system supplies auto-recharging battery power to the restraint and communication lights for over 24 hours in the event of a power disruption.

SUPERIOR STRENGTH DESIGN

The NORDOCK® patented IMPACT-GUARD™ increases front carriage strength by over **TEN TIMES** competing designs.



HIGH-VISIBILITY SAFETY COMMUNICATION

High-visibility LED lights and large outside sign with forward and reverse lettering provide safe two-way communication for truck drivers and dock attendants.

FEATURES & BENEFITS

- POWER-SAFE™ System Provides Full Power for Over 24 Hours, Allowing Safe Release, Engagement and Uninterrupted Inside and Outside Communication Lights
- IP66 Rated Waterproof Motor/Gearbox
- IMPACT-GUARD™ Superior Design Eliminates Damage Caused by Trailer Impact
- Upward Biased Housing and Hook Keep Constant Contact with Rear Impact Guard
- All Functions are Automatically Reset Once Power is Restored
- Large Rotating Hook Design Prevents Unscheduled Departure, Trailer Creep and Tip Over
- Patented Direct Drive System Eliminates High Maintenance Clutch, Chain and Brake Components
- Solid State Control System with Diagnostics
- Waterproof IP67 Rated Hook Position Sensor Eliminates Failure Prone Mechanical Limit Switches
- Fault Sensor Alarm Alerts Operator When a Missing or Damaged Rear Impact Guard is Detected
- Auto-Reversing Hook Avoids Damage from Incoming Truck
- NEMA 12 Control Panel with Steel Enclosure and Operator Instructions on Hinged Cover
- Above Ground Storage Provides Easy Dock Clean-Up and Keeps Housing Clear of Snow, Ice and Debris
- Low-Profile Housing Lowers to 9" Off Grade
- Over 32,000 lbs of Restraining Force and 100,000 lbs of Mounting Force
- 5-Year Structural Warranty
- Dual Zinc Dichromate Finish

SPECIFICATIONS

DESCRIPTION

The SMART-HOOK® Model AR-10K is a premium automatic vehicle restraint designed to secure trucks at the loading dock by using a large rotating hook to engage a trailer's rear impact guard (RIG).

The AR-10K offers trouble free operation and long-term reliability with 32,000 lbs. of restraining force, and increases loading dock safety with it's exclusive POWER-SAFE™ battery reserve system. In addition, the patented IMPACT-GUARD™ front carriage reinforcement provides unequalled protection from damage caused by incoming trailers.

Able to supply power to the vehicle restraint in the event of a power outage, the auto-recharging POWER-SAFE™ battery allows full operational restraint functions with safety communication lights for over 24 hours, keeping truck drivers and dock attendants safe, in control and on schedule.

The low profile housing automatically adjusts to various trailer heights and movement and lowers to 9" above grade, avoiding potential damage from low RIG's. The restraint is stored above ground level, keeping free of snow, ice and debris.

OPERATION

As the driver backs the truck into the loading dock, the trailer's RIG makes contact with the restraint housing, automatically positioning the housing under and firmly against the RIG.

With the truck in position, the driver sets the brakes and chocks the wheels. The dock attendant pushes the lock button, activating and positioning the large rotating hook in front of the RIG, safely securing the trailer to the loading dock.

During loading/unloading, the housing automatically adjusts to the trailer's movement while the hook positioning sensor monitors the hook and provides constant upward biased pressure against the RIG, preventing hazards such as trailer creep, early departure and/or tip over.

When no RIG is detected, the hook automatically stores away to avoid damage and goes into fault mode, sounding an alarm to alert the dock attendant. Pushing the override button will silence the alarm while the communication lights indicate a caution condition.

Once the loading cycle is complete, the dock attendant stores the hook by pressing the release button, inside and outside lights then signal the driver and dock attendant when it is safe for the truck to leave.

COMMUNICATION

High-visibility red and green inside and outside LED lights with operator instructions on inside control panel cover and outside mounted sign with clear, large, forward and reverse lettering for drivers.

If power is lost, the inside and outside lights flash to indicate a power loss condition that is maintained until power is restored. An audible alarm and inside red light warns dock attendant when no RIG has been detected.

CONSTRUCTION

The enclosed housing design is a structural welded assembly constructed with 5/16" side plates and 1/2" high tensile reinforcement on leading edge to withstand repeated impacts from backing trailers.

The large rotating hook is constructed of 1 1/4" thick steel and is attached to the housing using a superior 1 1/4" diameter shaft.

Zinc plated components include mounting plate, track, hook, housing, and brackets. The housing also comes with black and yellow caution markings for improved visibility.

Waterproof IP67 rated hook position sensor for trouble free non-mechanical hook monitoring.

Patented drive system consists of a direct-coupled IP66 waterproof rated high torque DC motor and high efficiency helical gears.

Control panel includes a NEMA 12 rated dust tight enclosure with push button controls and LED communication lights on the cover. The power requirement is 120 volts, single phase and 2 amperes.

INSTALLATION

The vehicle restraint is mounted to the dock face with concrete wall anchors (included) and then welded onto the pit curb angle.

Alternatively, the vehicle restraint can be welded onto a dock face embedded steel plate. Total mounting force is in excess of 100,000 pounds.

Signs, control panel and optional components are installed in accordance with instructions contained within the installation and owners manual.

WARRANTY

One-Year parts and labor and Five-Year Structural Warranty from date of shipment.

ADDITIONAL OPTIONS & ACCESSORIES

- Integrated LOGI-SMART® Control Systems
- Cantilever Extension Mounting Bracket
- Watertight Panel Enclosures
- Cast-In Wall Mounting Plate
- Keyed Override Switch
- SUPER-COM™ Signal Light System



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NORDOCK® Inc. reserves the right to make changes to specifications without notice or obligation. NORDOCK® products are covered by numerous U.S. and foreign patents and pending applications.

Especificaciones técnicas

Candados de Andén Automáticos

Los ganchos retenedores automáticos de Nordock utilizan un botón pulsador para activar su funcionamiento. Su panel de control incluye una unidad de potencia y un sistema de control en un gabinete NEMA 12. Los ganchos restrictores de vehículos de la serie ATL Automatic TRUCK-LOCK® de Nordock, utiliza una barrera grande para enganchar y asegurar de manera segura la protección contra impactos traseros (RIG) del remolque al muelle de carga con 32,000 libras. de fuerza de restricción y fuerzas de montaje superiores a 100,000 libras.

El modelo ATL de TRUCK-LOCK® es un gancho retenedor automático que activa y almacena la barrera HYDRA-FLOAT™ cargada por resorte a través de un botón de control. Cuando el gancho retenedor de vehículos está activado, puede asegurar virtualmente todo tipo de protectores de impacto trasero hasta 30" sobre el nivel, ajustándose automáticamente al movimiento del remolque mientras mantiene un contacto positivo con el RIG en todo momento. Los modelos de ganchos retenedores Nordock TRUCK-LOCK® ATL-450, ATL-500 y ATL-900 vienen de serie, con una barra de sensores montada en una barrera que proporciona una comunicación positiva al operador cuando la protección contra impactos traseros se ha colocado de forma segura.

SMART-HOOK™ de Nordock es el sistema de retención de vehículos automático de gancho giratorio de sujeción de vehículos que está diseñado para evitar la salida no programada del remolque, el deslizamiento y los vuelcos del remolque. El gancho retenedor SMART-HOOK™ AR es una unidad automática premium diseñada para asegurar un remolque en el muelle de carga al enganchar el protector de impacto trasero con un gran gancho giratorio. Su carcasa se ajusta automáticamente a varias alturas de camiones y mantiene la posición con el protector de impacto trasero durante las operaciones de carga haciendo de estas una operación más segura y eficiente. La carcasa se almacena arriba del suelo, libre de escombros y otros elementos.

Candados de Andén Manuales

Candados de Andén Manuales

El Nordock MTL vehicle restraint es un modelo sin impacto manual. TRUCK-LOCK® MTL es un gancho retenedor accesible operado manualmente y diseñado para asegurar un camión en el muelle de carga al enganchar el protector de impacto trasero con una barrera grande.

La serie TRUCK-LOCK® de restricción de vehículos sin impacto utiliza una gran barrera para enganchar y asegurar de manera segura el protector de impacto trasero (RIG) de un remolque al muelle de carga con 32,000 libras. de fuerza de restricción y fuerzas de montaje superiores a 100,000 libras.

Cuando se activa la barrera, puede asegurar virtualmente todos los tipos de protectores contra impactos traseros hasta 30 "sobre el nivel, ajustándose automáticamente al movimiento del remolque mientras mantiene un contacto positivo con el RIG en todo momento.

Los modelos TRUCK-LOCK® MTL-250 y MTL-300 vienen de serie con una barra de sensores montada en una barrera que proporciona una comunicación positiva al operador cuando la protección contra impactos traseros se ha colocado de forma segura.

Recomendación

Darle mantenimiento cada 6 meses.
Cualquier falla técnica comunicarse con soporte técnico.