



# SMART-HOOK® MODEL AR-20K AUTOMATIC VEHICLE RESTRAINT

## BEST IN CLASS SAFETY SOLUTION

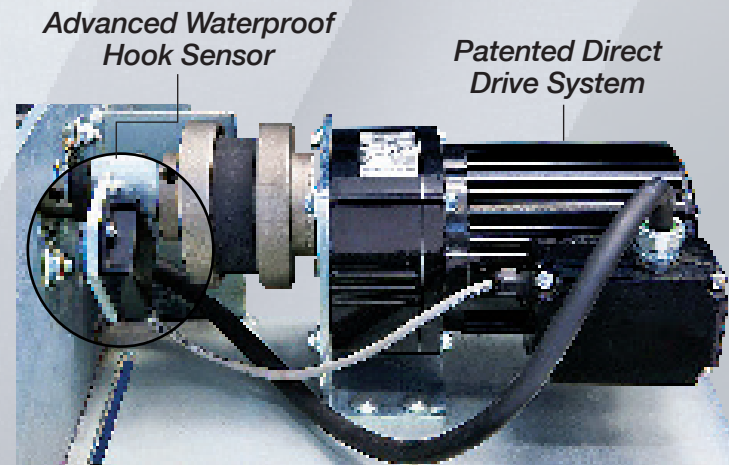
The SMART-HOOK® AR-20K is a premium automatic vehicle restraint designed to secure trucks at the loading dock by using a large rotating hook to engage a trailer's rear impact guard (RIG).

The AR-20K offers trouble free operation and long-term reliability with over 32,000 lbs. of restraining force and increases loading dock safety with its exclusive POWER-SAFE™ battery reserve system. The patented IMPACT-GUARD™ front carriage reinforcement protects your investment from damage caused by incoming trailers.

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.

## 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.



Advanced Waterproof Hook Sensor

Patented Direct Drive System

All Components are Dual Zinc Dichromate Plated for Superior Durability in All Conditions

Fully Enclosed Springs Provide Continuous Upward Biased Force to Stay Tight Against RIG

(SUPERIOR) Five-Year Structural Warranty

Carriage & Hook Mechanism Automatically Adjusts to Varying RIG Heights During Loading

Concrete Wall Mounting Anchors Included

Total Mounting Force in Excess of 100,000 lbs.

Housing Encloses Direct Drive Motor from Inclement Weather and Debris

## IMPROVED SAFETY & PERFORMANCE

Industry leading patented NO-PINCH™ Auxiliary Lock System secures trailers with rear impact guard obstructions, offering the highest level of safety in the vehicle restraint industry.



## SUPERIOR STRENGTH DESIGN

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



NORDOCK® IMPACT-GUARD™



COMPETING CARRIAGE DESIGN

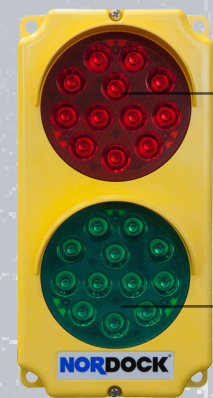
## STAY SAFE, ENGAGED, AND IN CONTROL (24-HR PROTECTION)

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.



## 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.



NORDOCK® low profile superior LED lights provide durable, bright and safe communication in all weather and light conditions.

## FEATURES & BENEFITS

- POWER-SAFE™ System Provides Full Power for Over 24 Hours, Allowing Safe Release, Engagement and Uninterrupted Inside and Outside Communication Lights
- All Functions are Automatically Reset Once Power is Restored
- Patented NO-PINCH™ Auxiliary Lock System
- 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
- Solid State Control System with Diagnostics
- Over 32,000 lbs of Restraining Force and 100,000 lbs of Mounting Force with (SUPERIOR) 5-Year Structural Warranty
- Large Rotating Hook Design Prevents Unscheduled Departure, Trailer Creep and Tip Over
- Patented Direct Drive System Eliminates High Maintenance Clutch, Chain and Brake Components
- Waterproof Hook Position Sensor Eliminates Failure Prone Mechanical Limit Switches
- Fault Sensor Alarm Alerts Operator When No 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
- Dual Zinc Dichromate Finish

## MAXIMUM MOUNTING FORCE

With mounting forces exceeding 100,000 pounds, AR-20K trailer restraints are capable of holding the heaviest trucks while the locking hook secures virtually all rear impact guards in excess of 32,000 pounds of restraining force.

## ONE SIZE FITS ALL

Able to lock a variety of trucks with a vertical operating range from 9" to 30".