

NOVA NAS AIR POWERED DOCK LEVELERS



**Shown with structural C & I beam deck support and optional weather seal*

NOVA's NAS Series Premium Air Powered Dock Leveler incorporates the use of a low-pressure, high-volume air system to raise and lower the platform. A single push-button activates the air powered system to raise the leveler and extend the lip. This simple, very reliable design requires only minimal maintenance.

SIMPLE OPERATION

- Easy push-button activation for smooth, consistent operation with an air powered system that provides for full float at all positions
- Automatic lip extension with yieldable lip
- Operating range of 12" above and 12" below dock

NOVA's NAS Series Dock Levelers offer a variety of sizes and capacities with a standard operating range of 12 inches above and below dock.

NOVA MODEL	NOMINAL SIZE	CAPACITIES (CIR)*
NAS 6006	6' x 6'	25,000 lbs
NAS 6008	6' x 8'	30,000 lbs
NAS 6010	6' x 10'	35,000 lbs
NAS 6606	6'6" x 6'	40,000 lbs
NAS 6608	6'6" x 8'	45,000 lbs
NAS 6610	6'6" x 10'	55,000 lbs
NAS 7006	7' x 6'	*CIR = Comparative Industry Rating
NAS 7008	7' x 8'	
NAS 7010	7' x 10'	

FEATURES AND BENEFITS

- Environmentally friendly air operated system provides for full float at all positions
- Easy push-button activation
- Single-phase 115V motor with simple button control
- Automatic lip extension with yieldable lip
- Low maintenance design
- Full width rear hinge
- Integral maintenance strut is lockout/tagout compliant with lip support strut

WARRANTY

All NOVA NAS Series models feature a full one (1) year base warranty on all structural, pneumatic and electrical parts, including freight and labor charges in accordance with NOVA's standard warranty policy. The lifting system, including air bladder, seals, hoses and motor carry an additional full four (4) year warranty on parts. Structural components also carry an additional full four (4) year pro-rated warranty.

ROBUST PERFORMANCE AND DURABILITY

- Deck and lip are constructed of 50,000 minimum PSI yield A572 safety tread plate
- Deck is reinforced with all structural beams welded to deck and front and rear header for maximum deck support
- 25K-40K units: Platform supported by full length 6" high "C" channels
- 45K units: Platform supported by full length 6" high structural channel
- 55K units: Platform supported by full length 6" high structural channel and I-beams
- Full-width rear hinge mounted in compression with structural channel support
- Continuous hinge design with grease fittings and dock bumpers included as standard with each unit
- Laminated loading dock bumpers protect dock face and leveler from truck damage

SAFETY FEATURES

- Dual pivoting cross-traffic legs for multi-position safety at dock level and below
- Full range telescoping toe guards close off sides even in highest position
- Built-in lockout/tagout maintenance inspection strut
- Lip keepers for cross-traffic support and automatic night lock security against theft

OPTIONAL FEATURES

- 18-inch or 20-inch lip
- Full range toe guards
- Weather seal—rubber or brush
- V-112 or B-610-14 bumpers
- Pan unit (4-sided) or pit kit (3-sided)
- Other options available—consult NOVA



Low pressure 115V/1PH fan motor provides a high volume air supply to reliably activate and position leveler.



Dependable lip extension via unique lip latch mechanism is fully yieldable if impacted by backing trailer.



Easy clean leveler frame permits effortless clean out of pit floor.

NOVA NMS MECHANICAL DOCK LEVELERS



**Shown with structural C & I beam deck support and optional weather seal*

NOVA's NMS Premium Mechanical Dock Leveler is designed to provide excellent reliability and structural durability at an affordable price. Easy pull-chain operation with a yieldable flip out lip and below dock end load controls make this full featured leveler a solid value.

SIMPLE OPERATION

- Simple operation with a cam and roller counterbalance system assures smooth dependable walk down
- Patented holdown assembly allows for full float and automatic release capability with air ride trailers
- Operating range of 12 inches above and below dock

NOVA's NMS Series Dock Levelers offer a variety of sizes and capacities with a standard operating range of 12 inches above and below dock.

NOVA MODEL	NOMINAL SIZE	CAPACITIES (CIR)*
NMS 6006	6' x 6'	25,000 lbs
NMS 6008	6' x 8'	30,000 lbs
NMS 6010	6' x 10'	35,000 lbs
NMS 6606	6'6" x 6'	40,000 lbs
NMS 6608	6'6" x 8'	45,000 lbs
NMS 6610	6'6" x 10'	55,000 lbs
NMS 7006	7' x 6'	*CIR = Comparative Industry Rating
NMS 7008	7' x 8'	
NMS 7010	7' x 10'	

FEATURES AND BENEFITS

- Patented holdown assembly allows for full float and automatic release capability with air ride trailers, preventing failure or damage from overextension
- Integral maintenance strut is lockout/tagout compliant with lip support strut that also allows convenient servicing of the lip
- Yieldable Flip Lip w/Dampened Return
- Single Point Spring Adjustment
- Integral Maintenance Strut

WARRANTY

All NOVA NMS Series models feature a full one (1) year base warranty on all structural and mechanical parts, including freight and labor charges in accordance with NOVA's standard warranty policy. Structural components carry an additional four (4) year pro-rated warranty.

ROBUST PERFORMANCE AND DURABILITY

- Deck and lip are constructed of 50,000 minimum PSI yield A572 safety tread plate
- Deck is reinforced with all structural beams welded to deck and front and rear header for maximum deck support
- 25K-40K units: Platform supported by full length 6" high "C" channels
- 45K units: Platform supported by full length 6" high structural channel
- 55K units: Platform supported by full length 6" high structural channel and I-beams
- Full-width rear hinge mounted in compression with structural channel support
- Continuous hinge design with grease fittings and dock bumpers included as standard with each unit
- Laminated loading dock bumpers protect dock face and leveler from truck damage
- Lip hinge pins are 1" diameter M1044 steel



Full width rear hinge in compression with structural channel rear frame supports.



One point adjustable main spring assembly with roller and cam construction.

SAFETY FEATURES

- Dual pivoting cross-traffic legs for multi-position safety at dock level and below
- Self-contained lip control yields under impact from incoming trucks
- Built-in lockout/tagout maintenance inspection strut
- Working range safety toe guards and night lock security
- Lip keepers for cross-traffic support and automatic night lock security against theft



High strength piano hinge construction and lip extension mechanism.

OPTIONAL FEATURES

- 18-inch or 20-inch lip
- Full range toe guards
- Weather seal—rubber or brush
- V-112 or B-610-14 bumpers
- Pan unit (4-sided) or pit kit (3-sided)
- Three-wheel fork truck protection (standard on 45,000 and 55,000 lb units)
- Other options available—consult NOVA

NOVA NHS HYDRAULIC DOCK LEVELERS



**Shown with structural C & I beam deck support and optional weather seal*

NOVA's NHS Series Premium Hydraulic Dock Leveler incorporates the use of hydraulics to raise and lower both the platform and lip. A single push-button activates a hydraulic pump for operating both the leveler platform and lip cylinders.

SIMPLE OPERATION

- Easy push-button operation for smooth, consistent operation with a hydraulic system that provides for full float at all positions
- Positive lip extension and retraction with true regenerative hydraulic control
- Operating range of 12" above and 12" below dock

FEATURES AND BENEFITS

- Regenerative Hydraulic System
- Easy push-button activation
- "Easy Clean" Frame Design
- "Velocity Fuse" Limits Drop 1" to 3"
- Integral Maintenance Strut
- Barrier Lip Option

NOVA's NHS Series Dock Levelers offer a variety of sizes and capacities with a standard operating range of 12 inches above and below dock.

NOVA MODEL	NOMINAL SIZE	CAPACITIES (CIR)*
NHS 6006	6' x 6'	25,000 lbs
NHS 6008	6' x 8'	30,000 lbs
NHS 6010	6' x 10'	35,000 lbs
NHS 6606	6'6" x 6'	40,000 lbs
NHS 6608	6'6" x 8'	45,000 lbs
NHS 6610	6'6" x 10'	55,000 lbs
NHS 7006	7' x 6'	75,000 lbs
NHS 7008	7' x 8'	100,000 lbs
NHS 7010	7' x 10'	

*CIR = Comparative Industry Rating

WARRANTY

All NOVA NHS Series models feature a full one (1) year base warranty on all structural hydraulic and electrical parts, including freight and labor charges in accordance with NOVA's standard warranty policy. Structural and hydraulic components (for levelers with rated capacity of ≤ 40,000 lbs. CIR) carry an additional four (4) year pro-rated warranty— (for levelers with rated capacity of ≥ 45,000 lbs. CIR) carry an additional full four (4) year warranty.

ROBUST PERFORMANCE AND DURABILITY

- Deck and lip are constructed of 50,000 minimum PSI yield A572 safety tread plate
- Deck is reinforced with all structural beams welded to deck and front and rear header for maximum deck support
- 25K-40K units: Platform supported by full length 6" high "C" channels
- 45K units: Platform supported by full length 6" high structural channel
- 55K units: Platform supported by full length 6" high structural channel and I-beams
- 75K-100K units: Platform supported by full length 8" high structural channel and I-beams
- Regenerative main and lip cylinders provide dual-sided lubrication for all hydraulic seals
- Full-width rear hinge mounted in compression with structural channel support
- Continuous hinge design with grease fittings and dock bumpers included as standard with each unit
- Laminated loading dock bumpers protect dock face and leveler from truck damage



Full width rear hinge in compression with structural channel rear frame supports.



Push-button operation for smooth, consistent operation with a hydraulic system that provides for full float at all positions.

SAFETY FEATURES

- A velocity fuse limits the unit to a 1" to 3" drop in a fully loaded free fall situation
- Full range telescoping toe guards close off sides even in highest position
- Built-in lockout/tagout maintenance inspection strut
- Lip keepers for cross-traffic support and automatic night lock security against theft

OPTIONAL FEATURES

- 18-inch (standard on 75,000 and 100,000 pound units) or 20-inch lip
- Auto-return to dock
- 5-inch safety barrier lip
- Weather seal—rubber or brush
- V-112 bumpers
- B-610-14 bumpers (standard on 75,000 and 100,000 pound units)
- Three-wheel support
- Pan unit (4-sided) or pit kit (3-sided)
- E-stop/independent lip
- Other options available—consult NOVA



Optional integrated control panel for leveler, restraint, and door. Many other options available.

NOVA MECHANICAL EDGE-OF-DOCK LEVELERS



**Mechanical edge-of-dock leveler shown with heavy duty bumpers*

When dock space is limited or the working range of a full size, pit-style leveler is not needed; NOVA's edge-of-dock levelers are an economical option. Edge-of-dock levelers mount to the dock face and provide a working range of 5 inches above and 5 inches below dock.

FEATURES AND BENEFITS

- Dual-extensions spring lift mechanism
- Heavy-duty self-storing steel lever with EZ grip handle
- Roller-bearing lift mechanism for easy lifting
- Cold-rolled steel hinge pins for added strength and long life
- Grease fittings
- Heavy-duty bumper block assemblies with reinforced rubber molded bumpers
- Bumper/blockout projection—15 inches

ROBUST PERFORMANCE AND DURABILITY

- Milled lip edge for smooth tire rollover
- Leveler lip and deck are constructed with high-strength 55,000 PSI minimum yield steel safety tread plate
- Four steel gussets for added strength and extended life
- Full width distribution bar for extra durability
- Deck construction is capacity dependent to insure your loading bridge matches the demands of the facility

WARRANTY

All NOVA Mechanical Edge-of-Dock models feature a full one (1) year base warranty on all structural and mechanical parts, including freight and labor charges in accordance with NOVA's Standard Warranty Policy.

NOVA's Mechanical Edge-of-Dock Levelers offer a variety of sizes and capacities with a standard operating range of 5 inches above and 5 inches below dock.

NOVA MODEL	DECK WIDTH	TOTAL UNIT WIDTH	CAPACITIES (CIR)*
NL-66	66"	104"	20,000 lbs 25,000 lbs
NL-72	72"	110"	30,000 lbs 35,000 lbs
NL-78	78"	116"	*CIR = Comparative Industry Rating
NL-84	84"	122"	

SIMPLE OPERATION

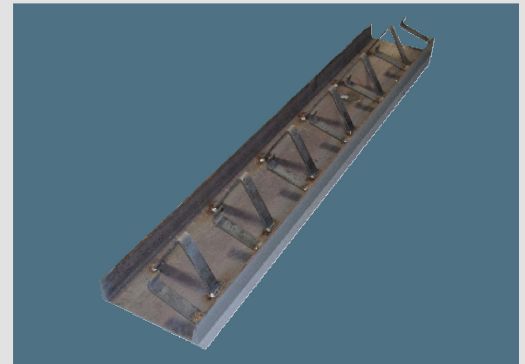
- Place the handle in the side mounted receiver and pull back on the lever approximately 50°
- Next push the lever toward its original position using the positioning rivet
- Leveler is deployed
- To store simply repeat the process until the lip clears the trailer and allows the unit to collapse into its stored position or when truck departs the leveler will automatically return to the stored position



Simple operation

INSTALLATION METHOD

- For new construction, a flush or recessed 8" - 12" embed channel is the standard requirement and strongly recommended; unit is then welded to the embed channel in the foundation wall
- For existing docks without preferred embed channel, but with an angle embedded at the front edge of the dock, the EOD is welded across the top angle and anchored to the face of the dock, or an optional approach ramp can be added on the dock floor for additional strength
- For docks with no steel embed material of any kind, a formed angle, or independent approach and face plates are available to maximize the strength of installation



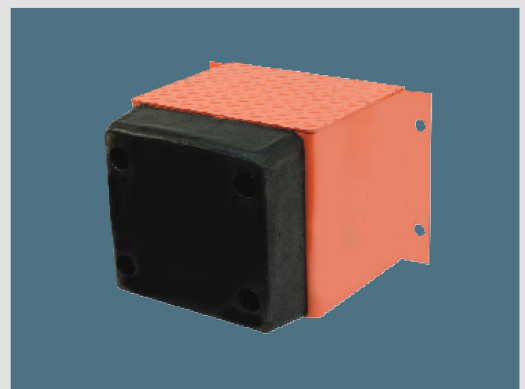
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BUMPERS AND BLOCKOUTS

- Properly designed dock bumpers help protect the deck plate and building from the approaching truck
- Constructed of formed steel and incorporate a full height internal gusset for extra support
- Feature 4" thick reinforced rubber molded bumpers
- Every leveler is shipped standard with 12" x 13" heavy duty bumper blocks

OPTIONAL FEATURES

- Low-profile design (flat center plate)
- 17-inch lip (for refrigerated trailers with rear step)
- Tapered lip (tapered at sides)
- Recessed installation packages for mini-pits
- Torsion spring
- 3-inch run off guards
- Edge-of-dock embed channel 10 inches height (highly recommended for new construction)
- Other options available—consult NOVA



Heavy duty bumper blocks

NOVA HYDRAULIC EDGE-OF-DOCK LEVELERS



**Mechanical edge-of-dock leveler shown with heavy duty bumpers*

When dock space is limited or the working range of a full size, pit-style leveler is not needed; NOVA's edge-of-dock levelers are an economical option. Edge-of-dock levelers mount to the dock face and provide a working range of 5 inches above and 5 inches below dock.

FEATURES AND BENEFITS

- NEMA 4 push-button control panel
- Cold-rolled steel hinge pins for added strength and long life
- Fully hydraulic lip and deck cylinders
- Grease fittings
- Heavy-duty bumper block assemblies with reinforced rubber molded bumpers
- Bumper/blockout projection—18 inches
- 115/230 VAC single-phase powerpack

ROBUST PERFORMANCE AND DURABILITY

- Milled lip edge for smooth tire rollover
- Leveler lip and deck are constructed with high-strength 55,000 PSI minimum yield steel safety tread plate
- Two steel gussets for added strength and extended life
- Full width distribution bar for extra durability
- Deck construction is capacity dependent to insure your loading bridge matches the demands of the facility

NOVA's Hydraulic Edge-of-Dock Levelers offer a variety of sizes and capacities with a standard operating range of 5 inches above and 5 inches below dock.

NOVA MODEL	DECK WIDTH	TOTAL UNIT WIDTH	CAPACITIES (CIR)*
HED-66	66"	104"	20,000 lbs 25,000 lbs
HED-72	72"	110"	30,000 lbs 35,000 lbs
HED-78	78"	116"	
HED-84	84"	122"	*CIR = Comparative Industry Rating

WARRANTY

All NOVA Hydraulic Edge-of-Dock models feature a full one (1) year base warranty on all structural, hydraulic and electrical parts, including freight and labor charges in accordance with NOVA's Standard Warranty Policy.

SIMPLE PUSH-BUTTON CONTROL

- Non-metallic NEMA 4 single push button control
- Control components are UL listed or recognized
- Overload protection for motor is standard
- 115V 1-phase motor

INSTALLATION METHOD

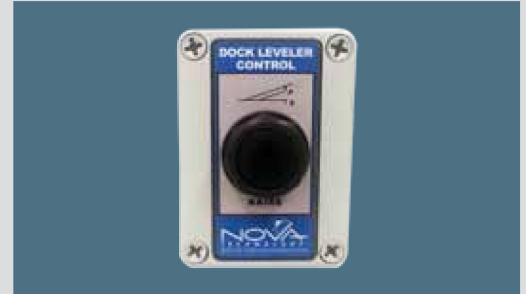
- For new construction, a flush or recessed 8" - 12" embed channel is the standard requirement and strongly recommended; unit is then welded to the embed channel in the foundation wall
- For existing docks without preferred embed channel, but with an angle embedded at the front edge of the dock, the EOD is welded across the top angle and anchored to the face of the dock, or an optional approach ramp can be added on the dock floor for additional strength
- For docks with no steel embed material of any kind, a formed angle, or independent approach and face plates are available to maximize the strength of installation

BUMPERS AND BLOCKOUTS

- Properly designed dock bumpers help protect the deck plate and building from the approaching truck
- Constructed of formed steel and incorporate a full height internal gusset for extra support
- Feature 4" thick reinforced rubber molded bumpers
- Every leveler is shipped standard with 12" x 13" heavy duty bumper blocks

OPTIONAL FEATURES

- Low-profile design (flat center plate)
- 17-inch lip (for refrigerated trailers with rear step)
- Tapered lip (tapered at sides)
- 3-inch run off guards
- Recessed installation packages for mini-pits
- Edge-of-dock embed channel 10 inches height (highly recommended for new construction)
- Three-phase powerpack
- Other options available—consult NOVA



Push-button operation for smooth, consistent operation with a hydraulic system that provides for full float at all positions.



Embed Channel



Heavy duty bumper blocks