LIFT
MOVE
HANDLE
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Vulcan provides CSA-certified products that comply with ANSI B30.16 or B30.21 standards. But above all, these products are known for their sturdiness and reliability.
**ELECTRIC HOIST**

1/4T to 10T
- ANSI/ASME B30.16, ASME HST-1 (H3-H4)
- Safety factor of 5:1
- CSA Certified
- Robust DC brake
- Limit switch
- Overload protection

**ELECTRIC TROLLEY**

1T to 10T
- ANSI/ASME B30.11
- Hardened steel wheels
- Safety factor of 5:1
- 10 available speeds
- Low headroom configuration available

**ELECTRIC WINCH**

Custom-made capacities
- ANSI/ASME B30.7
- Robust design
- Galvanized steel aircraft cable

* Vulcan electrical products have a 2-year warranty.*

**FIXED OR ROLLING INSTALLATION**

**Fixed**
The hoist is suspended by a hook to a beam clamp, or another anchored structure.

**Rolling**
The hoist is suspended from a trolley mounted on an H or I beam. It is important to know the size and profile of the beam at the time of order.

**TROLLEY**

**Manual (push or gear)**
Push trolley is moved by pushing the load in the direction of the beam while gear trolley is moved by operation of the hand chain.

**Electric**
Electric trolley is controlled by the same push-button pendants as the hoists. If the electric trolley has to travel over a long distance, it is recommended to suspend the power cable with a festooned system that includes small trolleys suspended from a steel cable. It is important to specify the length of the beam.

**LIFTING SPEED**
The lifting speed can vary from 3 ft/min to 50 ft/min. In general, the higher the lift height required, the higher the speed. On the other hand, a lower lifting speed will give more precision when handling a load.

**PRECISION**
- **LOW SPEED**
- **HIGH SPEED**

For optimal performance, 2 speed motors are available on some models.

**TYPE OF ELECTRICAL CURRENT**
The voltage of the electrical power available must be specified. Greater voltage allows a wider range of capacities and speeds. Most factories use a three-phase, 550 V, 60 Hz power supply. Vulcan offers electric motors with 115 V and 230 V, single phase and 230 V, 460 V and 550 V three-phase, all in 50 or 60 Hz.

**TRAVEL SPEED**
The motorized trolley can travel at speeds which vary from 18 to 72 ft/min. As for the lifting speed, the travel speed is determined based on the distance to travel and the desired precision when operating.

**LIFTS**

All chain hoist installations, whether manual, pneumatic or electric, should follow the guidelines of ASME B30.16. It is strongly recommended to read this standard which relates to the design, installation and use of hoists.
SPECIAL CONDITIONS

To ensure safe and optimal life of the hoist and trolley, it is important to specify the conditions under which they will be used. Vulcan offers a wide range of options designed to protect the system components from the environment where it is used.

Here are a few situations that come up more frequently. In all situations, the team of experts at Vulcan will make the recommendations for your specific needs.

ENVIRONMENT

Humid/acid  Outdoor  Hot  Dusty

- NEMA 4 Pendant
- NEMA 4 Trolley Control Box
- Epoxy-treated Stator
- Zinc-plated Hook and Chain
- Fan-cooled Motor
- TEFC Motor
- TENV Motor
- Synthetic Oil
- Rain Cover
- Class F Motor

TROLLEY

- BEAM: I Beam (S Beam)
- TENG Motor
- Fan-cooled Motor
- Synthetic Oil
- Rain Cover
- Class F Motor

For electric trolley, complete additional info on the beam and lifting required

ECHEN MISSIONS LENGTH (m)  Width (m)
Flange  Web

OPTIONS DESCRIPTIONS

CHAIN BASKET: Made of vinyl or metal. Various models based on hoist chain length.

NEMA 4 PENDANT AND ELECTRIC BOX: Water-resistant control and electric box.

TENV (TOTAL ENCLOSED NOT VENTILATED): Sealed critical parts, non-ventilated motor.

TEFC (TOTAL ENCLOSED FAN-COOLED): Sealed critical parts, fan-cooled motor.

ZINC PLATING: Anti-corrosion treatment on chain and/or hook.

EPOXY-TREATED STATOR: Epoxy coating on engine stator.

SYNTHETIC OIL: Allows the hoist to operate in temperatures from -20 °C (-4 °F) to over 40 °C (104 °F), whereas standard oil only allows for use in temperatures between 0° C (32 °F) and 40 °C (104 °F).

F-CLASS MOTOR: Motor insulation allows the hoist to operate in environments with temperatures over 40 °C (104 °F). WATERPROOF COVER: Protective plastic cover.

TANDEM INSTALLATION: Configuration that allows for simultaneous use of several hoists and/or trolleys with a single controller.

LOW HEADROOM: Hoist-trolley assembly that minimizes the vertical space required.

ROLLER CHAIN: Stainless steel “bicycle-gear”-type chain available.

OPTIONS

- Chain Container
- NEMA 4 Control Pendant
- Fan-cooled Motor
- TEFC Motor
- TENV Motor
- Zinc-plated Hook and Chain
- Epoxy-treated Stator
- Synthetic Oil
- NEMA 4 Electrical Box
- Overload Protection
- Class F Motor
- Rain Cover
- Tandem Installation
- Wireless Remote Control
- Low Headroom
- Roller Chain
- Roller Chain, Stainless Steel

Vulcan uses a gear system that’s simple, efficient and extremely safe at the same time: an endless screw. Commonly referred to as a Worm Gear, this gear configuration provides a major benefit over other gear systems, since the driving screw can easily make the hoisting wheel spin, whereas the opposite is almost impossible under normal hoisting conditions. Thanks to this feature, the endless screw lets the engine work as an effective secondary brake.

The hoist motor can transmit movement through the gear reducer, but the load cannot transmit movement through that reducer.

BENEFITS:

- Constant suspended load
- Long hoisting distances
- Faster hoisting speed
- Low-maintenance mechanical system
- Safe
VULCAN CHAIN BLOCK
1/2T to 20T
- ANSI B30.16
- Overload protection available
- Compliance certificate included
- Heat-treated forged steel hook

VULCAN RATCHET PULLER
3/4T to 6T
- ANSI B30.21
- Overload protection available
- Compliance certificate included
- Galvanized heat-treated alloy steel load chain
- Heat-treated steel hook

VULCAN TROLLEY
Push: 1T to 10T
Gear: 1T to 20T
- ANSI B30.11
- Sealed bearings
- Compliance certificate included

* Vulcan manual products have a 2-year warranty.

RATCHET PULLER XT SERIES
A technologically advanced, compact, light and sturdy hoisting equipment
3/4T to 9T
- ANSI B30.21
- Overload protection included
- Automatic brake engagement
- Weatherproof, thanks to its high-resistance powder coat paint and its zinc-plated grade 100 chain
- Shockproof steel case
- Hardened-steel hook and ultra-robust fork-type safety latch

PUSH TROLLEY XT SERIES
Reliability and safety under any circumstances to move a load when no electric supply is needed or available
1/2T to 5T
- ANSI B30.11
- Maintenance-free, thanks to the sealed ball bearings and permanent lubrication
- Weatherproof, thanks to its high-resistance powder coat paint and its zinc-plated mechanical parts
- Superior handling for use on curved beams that require a low turning radius
- Wheels compatible with most beams profiles

ADJUSTABLE PUSH TROLLEY XT SERIES
Perfect combination between design, construction and ease of use
1T to 5T
- ANSI B30.11
Same technical specifications as the push trolley, plus:
- Fast and easy installation – no tools required
- Unique and safe latch system that prevents loosening of the adjustment screw

All manual XT SERIES products include:
- A 2-year warranty
- A complete nameplate with serial number
- 150% test load
- A testing and inspection certificate

NEW!
NOVA CHAIN BLOCK
1/2T to 20T
• ANSI B30.16
• Overload protection available
• Compliance certificate included
• High-quality heat-treated alloy steel load chain
• Heat-treated forged steel hook

NOVA RATCHET PULLER
1/4T to 6T
• ANSI B30.21
• Overload protection available
• Compliance certificate included
• Heat-treated alloy steel chain
• Heat-treated hook

NOVA TROLLEY
Push and gear
1/2T to 20T
• ANSI B30.11
• Cast iron wheels
• Compliance certificate included

NOVA MANUALS PRODUCTS

BEAM CLAMP
Beam Clamp (NBC) 1T to 10T
Lifting Clamp (NLC) 0.8T to 5T
Horizontal Plate Clamp (NHP) 1T to 2T
Horizontal Plate Clamp (NUU) 0.75T to 2T
Universal Clamp (NUC) 0.8T to 5T

NOVA LIFTING CLAMPS
CDE Vertical Clamp (NVC) 1T to 5T
Lifting Clamp (NLC) 0.8T to 5T
Horizontal Plate Clamp (NHP) 1T to 2T
Horizontal Plate Clamp (NUU) 0.75T to 2T
Drum Lifter (NDL) 1T

ACCESSORIES

NOVA LIFTING CLAMPS

NOVA CHAIN BLOCK
1/2T to 20T
• ANSI B30.16
• Overload protection available
• Compliance certificate included
• High-quality heat-treated alloy steel load chain
• Heat-treated forged steel hook

NOVA RATCHET PULLER
1/4T to 6T
• ANSI B30.21
• Overload protection available
• Compliance certificate included
• Heat-treated alloy steel chain
• Heat-treated hook

NOVA TROLLEY
Push and gear
1/2T to 20T
• ANSI B30.11
• Cast iron wheels
• Compliance certificate included

* Nova manual products have a 1-year warranty.

* Nova lifting clamps and beam clamp have a 1-year warranty.

* Nova lifting clamps and hook have a 1-year warranty.

* Super lifting clamps have a 2-year warranty.

HOOKS

Hook (STD) 0,25 to 1T
Hook (STD) 1,5T
Hook (STD) 2T to 3T
Hook (STD) 5T
Hook (STD) 10T
Self-locking hook (SLH) 0,25 to 1,5T
Self-locking hook (SLH) 2T to 3T
Self-locking hook (SLH) 5T
Eye hook (WU) 0,25 to 5T

SUPER LIFTING CLAMPS

Screw Cam Clamp (SSC) 0.5T to 3T
Lateral Lifting Clamp (HLC-H) 1T to 5T
Screw Cam Clamp Double Eye (SDC-S) 0.5T to 3T
Vertical Lifting Clamp (SVC-L) 0.5T to 3T
Vertical Lifting Clamp (SVC-H) 0.5T to 3T
Vertical Lifting Clamp with Remote Control (SVC-L) 0.5T to 3T
Vertical Lifting Clamp with Stopper (SVC-H) 0.5T to 3T
Vertical Lifting Clamp with Remote Control (SVC-L) 0.5T to 3T
Universal Shankle (SVC-H) 0.5T to 2T

* Nova manual products have a 1-year warranty.

* Nova lifting clamps and beam clamp have a 1-year warranty.

* Super lifting clamps have a 2-year warranty.
**VULCAN’S XT SERIES RATCHET PULLER:**

- A technologically advanced, compact, light and sturdy lifting equipment
- 3/4T to 9T capacities
- 2-year warranty
- ANSI B30.21 certified
- Complete nameplate with serial number
- 150% test load
- Testing and inspection certificate included

**Safe**
- Overload protection included
- Automatic brake engagement
- Ultra-robust fork-type hardened-steel safety latch

**Weatherproof**
- High-resistance powder coat paint
- Zinc-plated grade 100 chain

**Sturdy**
- Hardened-steel hook
- Shockproof steel case

**Easy to handle**
- Top and bottom hooks rotate 360 degrees
- 360-degrees handle rotation

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Not only are we the only Canadian manufacturer of electric chain hoists, trolleys and winches, we also provide you with range of services:

**RENTAL**
- Manual and electric lifting equipment
- From 1/2T to 20T
- Customized rental... If we don’t have it, we’ll make it

**INSPECTION, MAINTENANCE & REPAIRS**
- Complete inspection, preventive maintenance and quick repair at our service centre

**TESTS & COMPLIANCE**
- Test and validation program of your lifting device’s compliance with industry standards

**VULCANHOIST.COM**
- Complete information on all our products and services
- Downloadable detailed spec sheets and user manuals
- Hoisting equipment configurator
- Subscription to our newsletter
- Warranty registration for all your Vulcan products
- And much more...