

LIFT MOVE HANDLE

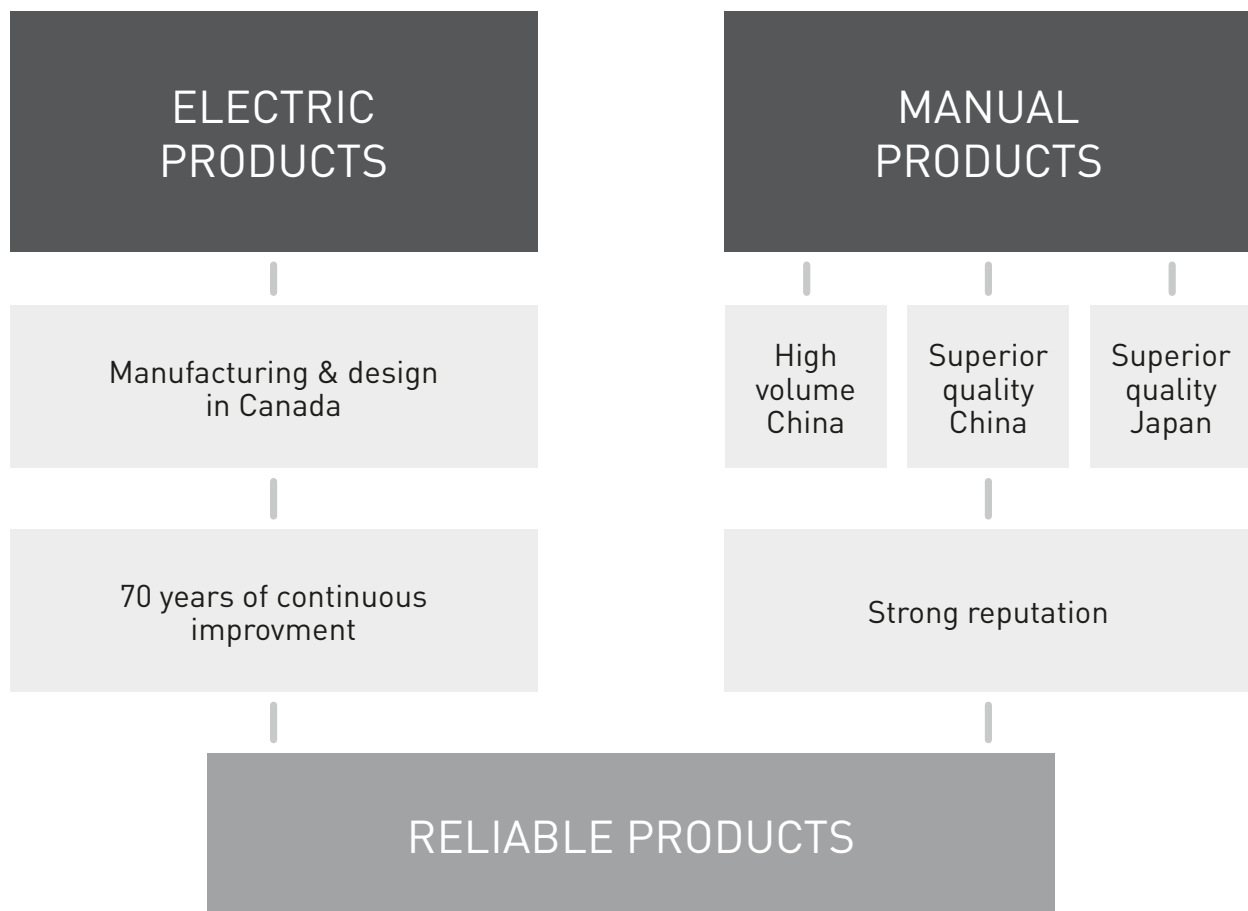
VULCAN HOIST
LIFTING DEVICES



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- Based in Montréal since 1947
- The only Canadian manufacturer of electric chain hoists, trolleys and winches
- Importer of manual lifting and material handling equipment
- Highly skilled personnel
- Reliable, sturdy and custom-made products
- Fast turn-around time
- Attentive customer service

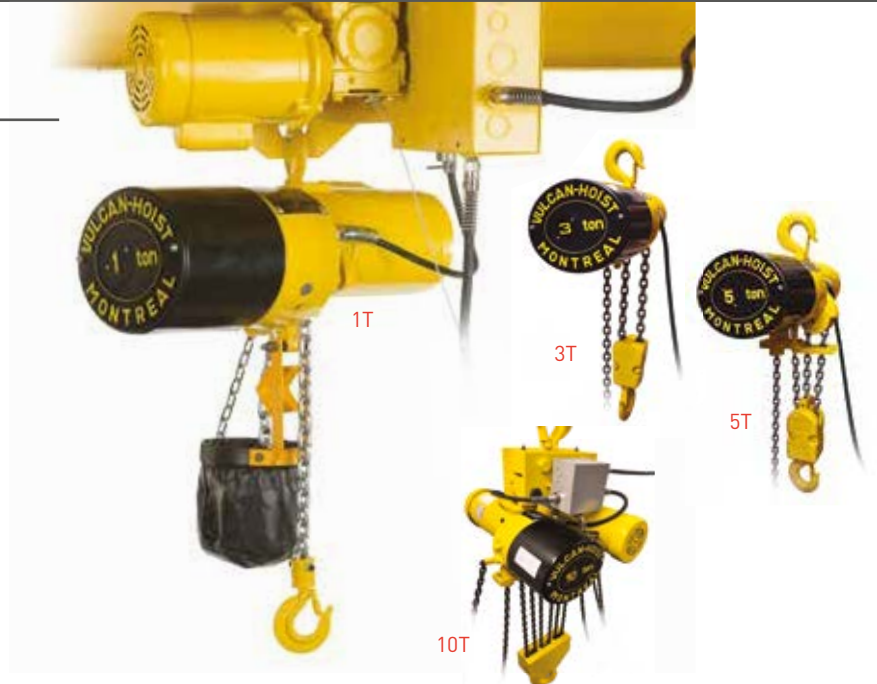


Vulcan provides CSA-certified products that comply with ANSI B30.16 or B30.21 standards. But above all, these products are known for their sturdiness and reliability.

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 CAPACITY

Always establish the maximum load to be lifted. The capacity is clearly indicated on the hoist and the trolley. It is the responsibility of the user to never exceed the maximum load. It is therefore important to specify the maximum possible capacity for all anticipated applications, without exceeding the capacity of the structure.

LIFTING HEIGHT

The required lifting height must also be specified. In a normal application, the height is the distance between the ground and the position of the hook when it is at the upper limit of its travel.

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
HEIGHT ► 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.



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	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
NEMA 4 Trolley Control Box	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Epoxy-treated Stator	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Zinc-plated Hook and Chain	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fan-cooled Motor	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
TEFC Motor	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
TENV Motor	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Synthetic Oil	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Rain Cover	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Class F Motor	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

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.

HOIST

Capacity (T)		SUSPENSION MODE	Fixed*	Swivel
Lift (ft)		Lug		
Lifting speed (ft/min)		Hook		

* Specific parallel or transverse to beam

ELECTRIC CURRENT	Check (x)
50 Hz	
60 Hz	
2-speed motor	
115 V - 1 phase	
230 V - 1 phase	
230 V - 3 phases	
460 V - 3 phases	
550 V - 3 phases	

TROLLEY

	Check (x)
None	
Manual Push	
Manual Gear	
Electric	

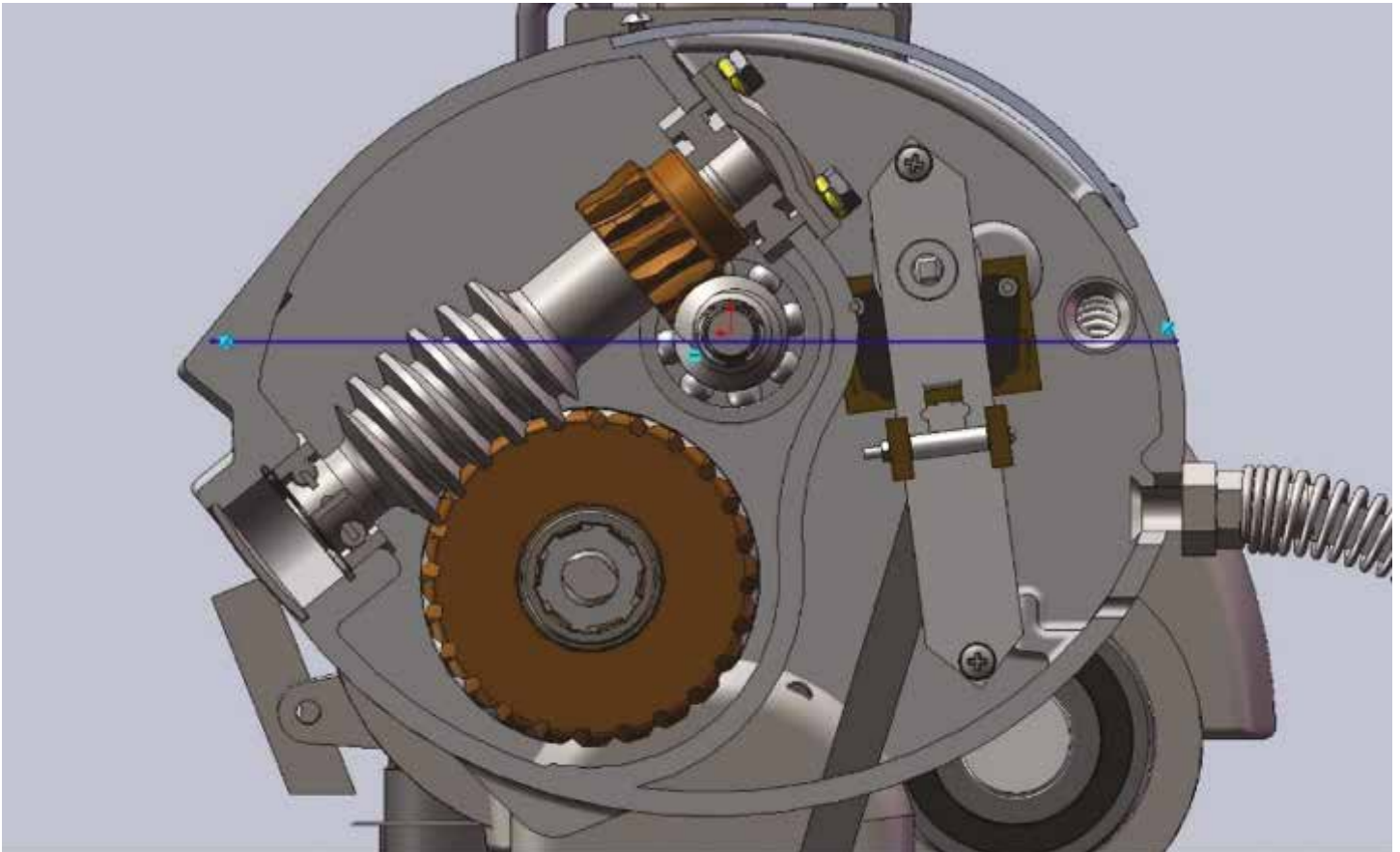
BEAM	Check (x)	DIMENSIONS	Length (in)	Width (in)
I Beam (S Beam)		Flange		
H Beam (W Beam)		Web		

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

Speed (ft/min.)	
Beam Length (ft)	
Festooned Cable System	

OPTIONS

	Check (x)
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:

- Low-maintenance mechanical system
- Safe
- Can handle large reduction



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

VB01T

VPU01.5T

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.

PUSH



VPT02T

GEAR



VGT02T

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

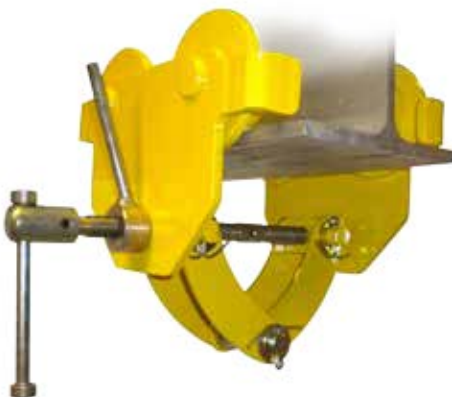


ADJUSTABLE PUSH TROLLEY XT SERIES

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



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

NB10T

NOVA RATCHET PULLER

1/4T to 6T

- ANSI B30.21
- Overload protection available
- Compliance certificate included
- Heat-treated alloy steel chain
- Heat-treated hook



NPU0.75T

PUSH



NPT02T

GEAR



NGT02T

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.

BEAM CLAMP

Beam Clamp (NBC)

1T to 10T



NOVA LIFTING CLAMPS

CDE Vertical Clamp (NVC)

0.8T to 5T



Lifting Clamp (NLC)

1T to 5T



Universal Clamp (NUC)

0.8T to 5T



Horizontal Plate Clamp (NHJ)

1T to 2T



Horizontal Plate Clamp (NHP)

0.75T to 2T



Drum Lifter (NDL)

1T



* Nova lifting clamps and beam clamp have a 1-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 (WIU)

0,25T to 5T



SUPER LIFTING CLAMPS

Screw Cam Clamp (SCC)

0.5T to 3T



Screw Cam Clamp Double Eye (SDC-S)

0.5T to 5T



Srew Cam Clamp with Universal Shackle (SUC)

0,5T à 3T



Lateral Lifting Clamp (HLC-H)

1T to 6T



Vertical Lifting Clamp (SVC-H)

0.5T to 5T



Vertical Lifting Clamp with Universal Shackle (SVC-E)

0.5T to 2T



Vertical Lifting Clamp with Remote Control (SVC-L)

0.5T to 3T



Vertical Lifting Clamp with stopper (SVC)

1T to 5T



* Super lifting clamps have a 2-year warranty.

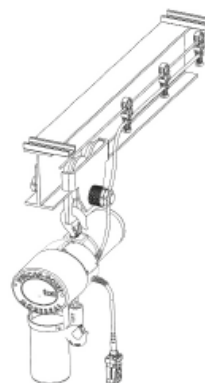
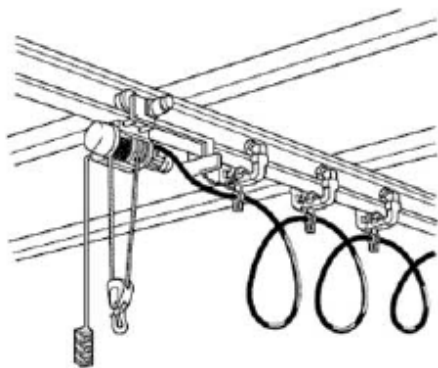
CHAIN



PENDANTS



FESTOON SYSTEM



RATCHET PULLER SERIES XT



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

NEW!



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

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...



36" x 36" x 84"



VULCAN HOIST - PALAN

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