

When it comes to scaling vertical surfaces, a large percentage of tasks only require lifting a person and their tools or other load. Unfortunately, the primary methods typically available are: 1) Large lifts, hoists and other equipment and can be very costly overkill for many jobs, or 2) Standard climbing techniques, which employ ropes, pulleys or winches, brute strength and stamina to hand-climb to the top. This method poses the potential for fatigue, which lowers productivity, and in the worse case, personal injury. PowerQuick is a safe, cost-efficient tool that can allow a person to scale surfaces with a variety of loads or haul equipment via a remote control.

PQ 500-1

Compatible with standard climbing gear (Must be used in accordance with manufacturers instructions meet applicable requirements and regulations)

Use with static (low stretch) 11 or 12.7mm kernmantle rope
Note: Care and maintenance of rope required per manufacturer's instructions)

Weight: 28 pounds (13 kg)

Lifting capacity: 500 pounds/227 kg; gross load 550 lbs (250)

Designed for use by one person, for work positioning or moving tools and materials

Easily carry 2 people for rescue applications

Lifting speed: 0.7 ft/second (.22m/sec)

Powered descent speed: up to 1 ft (.9meter)/sec (varies with weight)

Operate using cordless remote or on-unit control

PQ 300-1

Compatible with standard climbing gear

Use with static (low stretch) 11 or 12.7mm kernmantle rope
Note: Care and maintenance of rope required per manufacturer's instructions.

Weight: 18 pounds (8.2 kg)

Lifting capacity: 300 pounds/145 kg; gross load 350 lbs (158.7).

Lifting speed: 1.0 ft/second (.37m/sec)

Powered descent speed: up to 3 ft (.9meter)/sec (varies with weight)

Unpowered backdrive rate: up to 3 ft (.9meter)/sec (varies with weight)

Power Supply

NiMH Rechargeable Battery: 36vdc, 30 amp, 360 amp-minutes discharge to 25 vdc.

Climbing Time: 500 to 600 feet (152-182m) per charge.

Battery Pack Weight: 14 lbs (7 kg)

Designed to withstand 4-ft (1.2meters) drop on hard surface.

Battery life: approximately 800 charge/discharge cycles (temperatures extremes can affect battery life)

Charger

Use to charge PowerQuick NiMH battery packs only

Input: 115/230VAC 60/50 Hz 1.8/1.0A

Output 36VDC/2.6A Continuous

**Optional
Remote Control
Version**

The following is applicable to all PowerQuick® models

Safety Features

Tested to a safety factor of 4 for structural and a factor of 2 operationally

Pending CSA approval for Class I, Div. 2, Groups A-D in accordance with CAN/CSA-C22.2 Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

Remote control overrides local control

Rope cannot be removed from ascender when it is under a load.

Auto-braking in hands-off position provides for both locked-off and emergency or panic lock off. No force need be applied for panic lock off.

Emergency Stop Button: cuts power to unit

Load limiter: Prevents lifting of load in excess of 600 lbs (273 kg).

Auto-braking in hands-off position provides for emergency stop.

Static Load/Stationary holding capacity: 1,100 lbs (500kg)

Dynamic load capacity: 2,000 lbs (907 kg)

Forward reverse power control

Palm Interlock must be engaged to start unit

Low power requirement allows for descent when battery appears "dead".

No pinch points

No sharp edges, points, etc., capable of puncturing or cutting the skin

Accessible surface temperature do not exceed 65° C

Rotating parts protection

No shock hazard

Use restrictions

Not to be used after shock load of in excess of 1200 lbs (544kg).

Not to be used after drop greater than 4 ft (1.2meters) onto hard surface. (Must undergo inspection and recertification after these events)

Environmental conditions

Operating Temperature Range: -31° F to 113° F (-35° C to +45° C).

Moisture: May be used in wet weather. However; do not immerse this product in water, for example, a lake, swimming pool or water puddle. May result in serious personal injury.

No negative affect from corrosive environments, e.g. salt water or spray. Should be cleaned after use in these environments

Dust, sand, dirt, mud etc.: The ascender can be used in oily or dirty conditions without affecting the performance. However; for rope safety, keep ascender clean of heavy debris. Inspect and clean rope prior to each use and periodically during use.



EU DECLARATION OF CONFORMITY (for Annex IV Machinery)
In accordance with Council Directive 98/37/EC

Conforming Machinery:	PowerQuick Model 500-1 Powered Personal Ascender for technical rope access work positioning and rescue operations
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Manufactured at:	Bonanza Products, Inc. 3000-B Conestoga Drive, Carson City NV 89706
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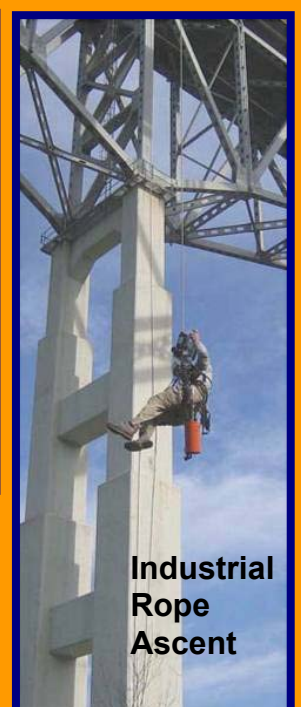
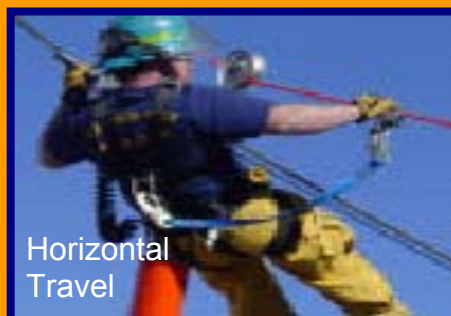
We hereby declare, that all major safety requirements concerning CE Mark Directive 93/68/ ECC, 98/37 EC Machinery Safety, 89/366 Electromagnetic Compatibility, and 73/23 ECC Low Voltage Equipment published by the member states of the ECC Commission – insofar as they apply to this product – have been fulfilled.

Harmonized Standards referenced;	EN 292-1: 1991, EN 292-2:1992, EN 418:1002, EN 953:1997, EN 1050:1996, EN ISO 14982:1998, EN 50260-1:2002, ED 418:1992, prEN1005-1: 1996, prEN1005-2: 1996, prEN 1808:1998, prEN12927-7:1998, prEN 12937:1997,
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Specifications with which Conformity id Declared:	<p>BS 7985: 2002 British Standard Code of Practice <i>The use of rope access methods for industrial purposes.</i> <i>Guidelines on the use of rope access for industrial purposes;</i> Industrial Rope Access Trade Association (IRATA) 2000 AS/NZS 4488.1,2 Australian/New Zealand Standard & AS/NZS 1891 US Federal Spec RR-S-001301 Safety Equipment, Climbing: 22 June 1967 CAN.CSA-C22.2 # 157-92 Intrinsically Safe and Non-Incendive Equipment for use in Hazardous Environment Locations for Class I, Division 2 CAN/CSA Z259.2.3-99 Descent Control Devices MIL-STD- 1474 Noise Limits MIL-STD- 1212 Safety Equipment MIL-STD- 1433b Climber Sets US 29 CFR Non-Mandatory Guidelines for Complying with 1926.502(d) – 126, Subpart M APP C US 29 CFR 1910.268 Special Industries B.C. Reg. 585/77 8.100 Canada Health & Safety Code</p>
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Can also
be used as a
HAUL unit

e.g. with cliff
edge rescue
frames.



Available
for
Hire