

ATLAS TACTICAL LADDER SYSTEM ATL

The ATL is the foundation of an ultralight Litter/Ladder/Bridge system designed for operators conducting austere special operations missions. Built on a core Atlas Devices ladder technology backbone, the ATL system combines the packable, height-conformable strength and tailor-ability of a ladder and bridge with the speed, efficiency, and security of a vertical/horizontal hoist-able patient litter. The integrated handle designs enable effective patient manipulation and longer duration carries which provide a multi-mission tool that is useful through primary and contingency phases of operations. Two ATL ladders can also be connected too-free into a extended 15 ft ladder by using the ATL-JOIN kit.



Bridge



Ladder



Litter



Hoist

CAPABILITIES AND SPECIFICATIONS

- Deployment time: <5 seconds
- Secondary positive joint locks can automatically engage on deployment
- Joints manually lockable for noise control
- Stow time: <10 seconds
- Tool free joining of up to 2 full ATL segments to yield 4,6 m / 15 ft ladder
- Compliant with relevant portions of NFPA 1931015, ANSI-ASCA14.2-2007

Length	2,1 m	7 ft
Stowed envelope	410 x 480 x 230 mm	16" x 19" x 9"
Total weight	4,5 kg	10 lbs
Capacity (all configurations)	181 kg	400 lbs

RECOMMENDED MISSION PROFILES

- Direct Action
- Personnel Recovery
- Asset Recovery
- Confined Space/ Structural Collapse
- CASEVAC/TACEVAC
- Urban Ops
- Maritime Ops
- Jump / MFF Ops
- Crevasse

KITS

RACC PATIENT PACKAGING KIT

Load rated vertical/horizontal hoisting patient packaging system including hoist bridle, patient straps, and retention/stowage covers. Originally co-developed with Roco Rescue.

MODULAR SYSTEM INTEGRATED GEAR (MSIG) PACK

An ultralight anodized aluminum MOLLE-style semi-flexible panel backpack that allows vertical and horizontal mounting options integrated into the ATL with the addition of the speed clip accessory.

ATL PATIENT PACKAGING

RACC PATIENT PACKAGING KIT

RACC (Roco-Atlas Casualty Carrier)

Load rated vertical/horizontal hoisting patient packaging system including hoist bridle, patient straps, and retention/stowage covers. Originally co-developed with Roco Rescue.

CAPABILITIES AND SPECIFICATIONS

- Components: Tubular Webbing, Patient Packaging w/ Cobra Buckles and Tactile Adjusters, Vert/Horiz Hoisting Bridle,
- In-Rail Stowage Covers, Patient Comfort Straps
- Fits within HH-60 airframe
- Rigid ATL Frame Protects Patient
- RACC Kit Weight: <3 lbs / 1.4 kg
- Tubular harness-style patient packaging straps
- In-rail stowage covers with elastic strap retention
- Patient comfort straps suspend patient over structure and secure structure when not in use
- Structure and hoist bridle system compliant with NFPA 1983-12
- Vertical and horizontal hoisting



MODULAR SYSTEM INTEGRATED GEAR (MSIG) PACK

An ultralight anodized aluminum MOLLE-style semi-flexible panel backpack that allows vertical and horizontal mounting options integrated into the ATL with the addition of the speed clip accessory.

CAPABILITIES AND SPECIFICATIONS

- Weight: 4.2 lbs / 1.9 kg
- Sizes: (20.5 and 22) x 13.5 x 1/8 in / (52 and 56) x 34 x 0.3 cm
- Flexible Anodized Aluminum Panel Frame
- Variable Suspension Load Carriage Options
- Vertical / Horizontal MOLLE Compatible frame pattern



SPEED CLIPS

Lightweight rigid pack attachment system for rapid don/doff of ATL systems from MSIG pack. Modular rung positioning enables use for mounting MSIG Sled Dog pack onto ATL to instantly create litter backplate and patient attachment method.



ATL CONFIGURATIONS

USE CONFIGURATION: HOISTING

(Requires AK-RACC accessory kit)

Litter mode easily converts between horizontal and vertical hoist modes.

CAPABILITIES AND SPECIFICATIONS

- Hoist bridles rated to 5,000 lbf / 23 kN
- Accommodates patients from 4-7 ft / 1.2 – 2.1 m
- Litter load rating suspended from bridles (average body weight distributed across rungs): >2,500 lbs / 1,134 kg
- Redundant attachment system links to four rungs each side
- Convert from vertical to horizontal configuration in <5 seconds
- Integrated ergonomic carry handles for patient carry and manipulation protect attendant's fingers
- Rigid frame protects patient and is rated for vertical pivot



USE CONFIGURATION: HIGH POINT

(Requires AK-RACC accessory kit)

The ATL with hoist bridles can be set up to provide a structural A-frame for use as a high point or redirect for high angle operations (ex. confined space, roof edge transition).

CAPABILITIES AND SPECIFICATIONS

- 400 lbs / 180 kg Load rating in all configurations
- Adjustable Bridle Footprint
- Variable High Directional Heights
- Single Point load rated
- Load Share Anchoring Capable



ATL CONFIGURATIONS & ACCESSORIES

USE CONFIGURATION: EXTENDED LADDER

(Requires 2x ATL units and 1 ATL-JOIN kit)

With a pair of extra outer rails from the ATL-JOIN kit, two complete ATL units can be joined tool-free to create a double length 15 ft ladder.

CAPABILITIES AND SPECIFICATIONS

(1 pair of ATL outer joining sections with tool less connection)

- Total Length: 15 ft (176 in) / 4.6 m (447 cm) rung to rung
- Load capacity: 350 lbs / 159 kg as ladder at 75 degrees (Safety factor >2)
- Stowed dimensions: 19 x 16 x 18 in / 48 x 41 x 46 cm
- Deployment: <10 sec
- Partial deployment allows on-the-fly tailored height
- Tool-free assembly and separation of individual ATL units
- Folding and stowing method identical to single ATL unit



MULTI - HANDLE HOOK

- Extends carry handles for easier load carrying.
- Can create tabletop to hold patient in inclined or declined position, or hold level above ground to reduce ground contact conduction heat loss.
- In hook mode can extend the reach of an ATL by hooking over wall or rail like a pool ladder.

CAPABILITIES AND SPECIFICATIONS

- Weight: < 0,7 kg / 1,5 lbs (pair)
- Quickly change configurations in < 5 sec
- Stow along with ATL unit with negligible increase to stowed volume
- Ergonomic grip handle protects attendant's fingers
- Configurable carbide tipped skid/grip feature
- Rotational adjustment locking joint
- Collapsible stow position
- Tool-free rapid on/off to ATL



Multi - handle - lock

SKID PUCK

Configurable end caps for stable positioning or smooth draggable wear surface.

CAPABILITIES AND SPECIFICATIONS

- Weight: < 0,45 kg / 1 lbs (pair)
- Tool-free rapid on/off to ATL
- High impact plastic construction
- Carbide spikes grip at all ladder angles and catch on edge for uneven bridging
- Replaceable carbide spikes
- Negligible impact on ATL stow volume



Skid puck