

# ATLAS PR-A2 PARACHUTE RELEASE

The Atlas PR-A2 Parachute Release is a mechanism that separates the parachute from its cargo upon delivery. This eliminates the possibility of the cargo being inadvertently dragged under high winds and/or adverse weather conditions. The Atlas PR-A2 is designed to release the cargo when it senses reduction in the suspended weight of the cargo upon ground impact. To prevent premature release during the parachute deployment phase, a user-adjusted 10 to 20 second timer is set (the time delay allows the parachute and cargo to stabilize). Once the timer stops, the unit is armed and sensing mechanisms are activated.

The rugged features, reliability and most importantly, the purely mechanical inner workings (no pyrotechnics or electronics involved) make the Airborne Systems' Atlas PR-A2 (for weights from 500 to 5000 lb) the ideal choice for parachute releases.

## FEATURES:

### Rapid, easy rigging

No requirements for specialized connection hardware.

### Simple to use

Set the timer and the unit is ready to go. Reset the timer and close the jaw to prepare for another deployment.

### Maintenance

No regular repair or overhaul required.

### Water and corrosion resistant

Stainless steel and hard bronze construction and sealed design prevent water and corrosive agents from contacting mechanical parts.

### Reliable and rugged

Meets in-service requirements for acceleration, vibration, shock, sand and dust as well as temperature extremes.

### Compact

Fits in your pocket

### Unlimited shelf life

The 100% mechanical operation means no batteries to replace, fluid to refill, or pyrotechnics to re-certify. Just blow with compressed air and wipe clean for storage.



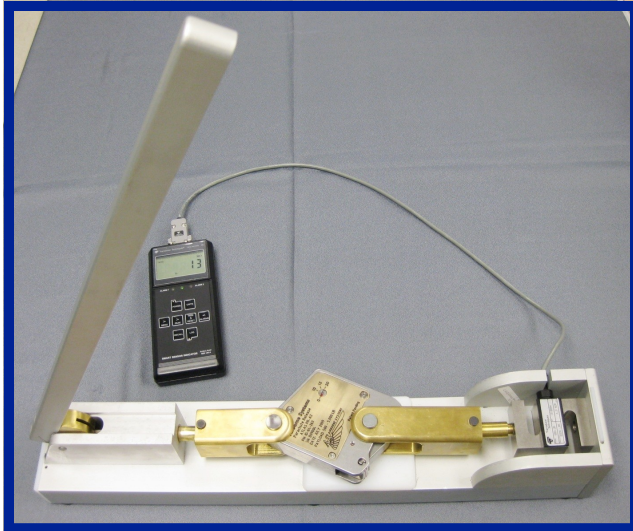
Atlas PR-A2 & Link Assemblies

## TECHNICAL DATA

Item	Specification
<b>PARACHUTE RELEASE</b>	
Part Number:	ID-64-263
NATO Stock Number:	1670-20-004-7288
Weight:	3.3 lb (1.5 kg)
Size:	4 x 3.5 x 1.15 in (102 x 89 x 30 mm)
Suspended Payload:	500–5000 lb (230–2900 kg)
Operating Temperature Range:	-60° F/+ 160° F
<b>LINKS ASSEMBLY (SHACKLES)</b>	
Part Number:	ID-64-264
NATO Stock Number:	TBD
Weight (2 Shackles):	2 lbs (0.9 Kg)

# ATLAS PR-A2

## PR-A2 TESTER



Tester with PR-A2

The PR-A2 Tester was developed to test the Airborne Systems family of Parachute Releases. The self-contained, battery-powered unit is both compact and portable.

Force is applied through hand pressure on the arm of the unit, simulating the forces that would naturally be applied to the PR-A2 in the air. The battery-powered load cell displays the applied force directly in force units. Once the time delay on the Parachute Release has lapsed, the equipment is armed. After this time, easing the pressure on the unit arm would simulate “touchdown” and the PR-A2 opens to release the load.

The simplicity of use and ruggedness of this product makes it a desirable tool to have on hand for testing of the Atlas PR-A2 Parachute Release.

### FEATURES:

- **Rapid, easy setup** - Parachute Releases are attached to the tester through easily inserted pins.
- **Size** - Length: 26”    Width: 4”    Height: 6”
- **Maintenance** - No regular repair or overhaul required.
- **Weight** - 13 lbs / 6.0 kg
- **Reliable and rugged** - Solid construction allows for the tester to be used anytime and anywhere.
- **Materials Used** - All parts used in manufacturing are made of aluminum and stainless steel.
- **Load Cell** - Omega LC 101-2K
- **Display** - Transducer Technologies PHM-100
- **Safety** - Its design also includes a safety to protect against violent openings. The unit comes equipped with rubber feet to protect work surfaces.



This data sheet is for information only and shall not form part of a contract

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