

# Gravity<sup>®</sup> Utility ASTM Harness

Full Body Harness – Arc Flash Hazard protection



*Because every life has a **purpose...***

# Gravity® Utility ASTM Harness

Full Body Harness that can be used in diverse applications like: Confined Space, Rescue, Transmission/Telecom Tower, Rope Access and many others.

Using the **Gravity Utility ASTM Harness** you will always be protected from a fall and in addition the harness has been tested to continue to provide protection when subjected to arc flash.

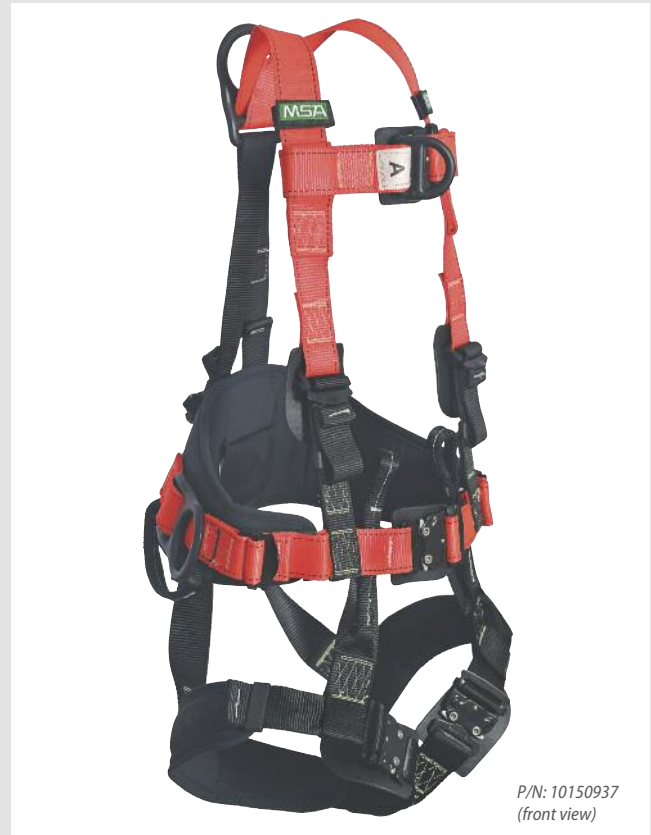
## Features & Benefits

Allows different configurations in the field:

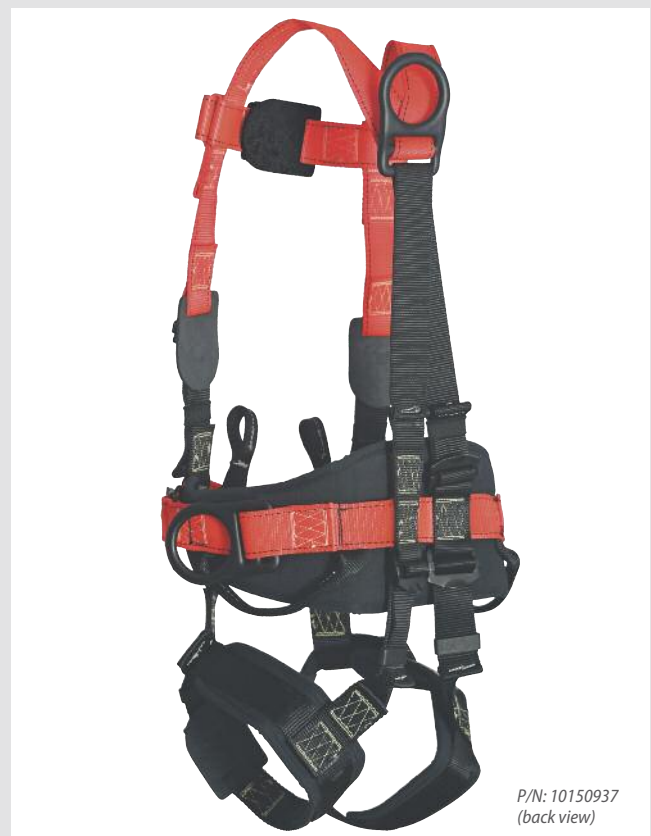
- Attachment options:
  - PVC coated chest D-Ring – for fall arrest and positioning;
  - Dorsal – for fall arrest and restraint;
  - Ventral – for suspension;
  - Waist D-Rings – for positioning and restraint.
- Waist and leg padding with flame resistant fabrics using aramid fibers
- PVC coated buckles and D-Rings are isolation tested to 9 KV
- Buckles are easy to adjust and do not slip during use
- All of the webbing for this harness is made of Nylon, having a minimum static strength of 31 kN (ASTM F887)
- HI-VIZ®: day and night work, also for heavy zones
- Built in load indicator
- Traceability: RFID tag located in the label
- Meet standards: EN 361, EN 358, EN 813, ASTM F887-13

## Ordering Information

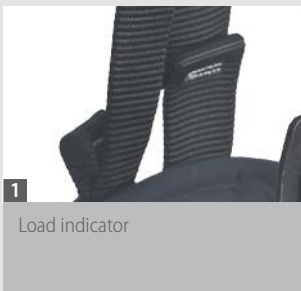
Type	P/N	Size			D-Rings	Standards
		Small	Medium	Large		
ASTM	10150936	X			Forged Steel PVC coated	EN 361, EN 358, EN 813 ASTM F887-13
	10150937		X			
	10150938			X		



P/N: 10150937  
(front view)



P/N: 10150937  
(back view)



Load indicator



PVC coated buckles and D-Rings  
isolation tested to 9 KV



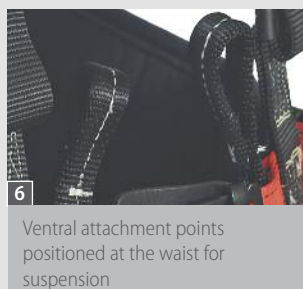
Traceability: RFID tag located in  
the label on back side



Waist and leg padding with flame  
resistant fabric and thread



Bayonet buckles with leather  
isolation



Ventral attachment points  
positioned at the waist for  
suspension



HI-VIZ®: day and night work, also  
for heavy zones



PVC coated chest D-Ring



An arc fault happens when electric current flows through air gaps between conductors. It is a dangerous release of energy. Arc flashes often occur when working with a breaker or transformer. The cause of arc flash can be insulation failure, accidents caused by touching a test probe to the wrong surface or slipping (non-insulated) tools. In its most basic form, an arc is made up of four elements: Thermal Energy (heat), Acoustical Energy (sound), Pressure Wave and Debris. **Each of these elements can cause serious injury or death to a person.**

## Consequences

- Arc flash temperatures can exceed 19,400 °C at the arc end points.
- A typical arc flash incident could be inconsequential but conceivably, easily produce a severe explosion. The result of the violent event can cause destruction of the equipment involved, fire, and injury not only to the worker but also to bystanders.
- During an arc flash, electrical energy can vaporise metal, changing its state from solid to gas or vapor, expanding it with explosive force.

## ASTM F887/2005

This is a unique standard testing the combination of arc flash and PPE for working at height and drop tests in the same equipment.

## Test

MSA Gravity Harnesses are tested to ASTM F887 with an arc flash power of 40 cal/cm<sup>2</sup> by an independent 3rd party laboratory:

- All flames must self-extinguish in less than 5 sec from exposure to the arc and there can be no excessive dripping of material
- The same harness must be submitted to a drop test according to ANSI Z359.1 at all fall arrest attachment points:
  - 1st drop: head up
  - 2nd drop: head down



Before Arc Test



After Arc Test

### Your direct contact

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