



MSA Arc Flash Full-Body Harnesses



WE KNOW WHAT'S AT STAKE.

A full-page photograph of two male workers in an industrial setting. The worker on the left wears a tan long-sleeved shirt, a white hard hat, and safety glasses. The worker on the right wears a blue long-sleeved shirt, a black hard hat, and safety glasses. Both are wearing MSA Arc Flash Full-Body Harnesses, which are black with green MSA logos. The background features a sunset sky with orange and red hues, and a large electrical transmission tower is visible on the left. The text "POWER HARNESSSED." is overlaid in the lower center, with "POWER" in orange and "HARNESSED." in white.

**POWER
HARNESSED.**

MSA EVOTECH® and Workman® Arc Flash Harnesses

To keep workers safe around electrical hazards at heights, such as on bucket trucks, scissor lifts or other elevated areas, MSA EVOTECH and Workman Arc Flash Full Body Harnesses are designed to self-extinguish quickly to prevent melting or dripping in the event of an arc flash.

The lightweight and comfortable design molds to the body, allowing workers to wear the harness for hours without having to readjust constantly throughout their shift. Both are ASTM F887 third-party tested to ensure workers are protected from falls even after an arc flash of 40 cal/cm². And with two price points, you can choose the harness best suited to your specific needs.

Harness the power of MSA arc flash-rated fall protection.



Understanding “Arc Flash”

Arc flash — also known as arc fault or arc blast — is a dangerous release of energy created by an electrical fault. An arc flash is a phenomenon where a flashover of electric current leaves its intended path and travels through the air from one conductor to another, or to the ground. The results are often violent; serious injury and even death can occur as a result.

In the United States alone, there are between five and ten arc flash accidents everyday, with more than 3,600 disabling electrical contact injuries each year. What is frightening is that due to the violent nature of an arc flash exposure, when a worker is ten feet away from the blast site, fatal burns can still occur. And when an employee is injured, the injury is serious — sometimes even fatal. Extended medical care for those whose lives have been altered by an arc flash incident is often required, sometimes costing in excess of \$1,000,000.

Arc flash can be caused by:

- Dust
- Dropping tools
- Accidental touching
- Condensation
- Material failure
- Corrosion
- Faulty Installation

Three factors determine the severity of an arc flash injury:

- Proximity of the worker to the hazard
- Temperature
- Time for circuit to break

ASTM F887 Test Requirements

The ASTM F887 standard outlines performance requirements of fall protection products for arc flash resistance. One requirement of the standard is that the webbing material must have a 7,000 lb tensile strength, which is higher than typical full body harness webbings found on the market. Additionally, the harness is put through an Electric Arc Performance test that requires the product to self-extinguish within five seconds after being subjected to an arc flash and cannot melt or drip. Lastly, the harness is put through an ANSI Z359 drop test using a 282 lb test torso and must be able to meet the drop test requirements.

Arc Flash (AF)-Rated Products

When working conditions exist where people are subjected to potential hazards of extreme heat generation that could produce an arc flash, it is critical, particularly when working at heights, to use fall protection systems that not only resist AF exposure, but can perform in a fall situation as well. AF rated products are designed to resist heat from an electrical arc flash. AF designated products have been tested to the applicable standards to maintain the required level of strength and performance with the ability to resist heat. Always look for the Arc Flash symbol for easy identification.



EVOTECH® Arc Flash Full-Body Harness

MSA premium EVOTECH Arc Flash Harness provides outstanding arc flash protection for utility company employees and contractors who work at heights. Its rugged design looks good on the job and is 30% lighter than comparable harnesses.

Made from 100% Kevlar® webbing, the EVOTECH Harness is fire-resistant, so it maintains its performance in the event of a fall after an arc flash. The inherent properties of the harness help to maintain its color, making formal inspection easy. Designed to provide more comfort for the user, our Kevlar shoulder padding has no binding edge. Our patent-pending horizontal leg strap design conforms to the user's body for increased support.

- Harness is lighter — by more than 1 lb. — than comparable harnesses
- Moisture-wicking padding keeps users cooler
- Non-binding edge shoulder padding prevents neck chafing
- 100% Kevlar webbing is fire-resistant and self-extinguishing
- Reflectivity on shoulder padding provides increased visibility in low-light applications
- Patent-pending horizontal leg straps stay in place, providing more mobility and comfort
- RFID capability
- ASTM F887 tested with fire-resistant (FR) properties
- Meets CSA Z259.11 requirements (steel D-ring configuration)
- OSHA 1910.269 & 1926 Subpart V compliant



P/N 10150143

EVOTECH Arc Flash Harness (Web Loop) Ordering Information

PART NO.	Web Loop Configuration	Size				Leg Buckle Type			Standards
	Back	XSM	STD	XLG	SXL	Quik-Fit	Quick-Connect	Belay Loops	OSHA/ANSI
10150159	■	■				■			■
10150160	■		■			■			■
10150161	■			■		■			■
10150162	■				■	■			■
10150147	■	■					■		■
10150148	■		■				■		■
10150149	■			■			■		■
10150150	■				■		■		■
10162697	■	■					■	■	
10162698	■		■				■	■	
10162699	■			■			■	■	
10162700	■				■		■	■	

EVOTECH Arc Flash Harness (Steel D-Ring) Ordering Information

PART NO.	Steel D-Ring Configuration				Size				Leg Buckle Type			Standards
	Back	Back, Hips	Back, Chest	Back, Chest, Hips	XSM	STD	XLG	SXL	Quik-Fit	Quick-Connect	Belay Loops	OSHA/ANSI/CSA
10150155	■				■				■			■
10150156	■					■			■			■
10150157	■						■		■			■
10150158	■							■	■			■
10150143	■				■					■		■
10150144	■					■				■		■
10150145	■						■			■		■
10150146	■							■		■		■
10162701	■				■					■	■	■
10162702	■					■				■	■	■
10162703	■						■			■	■	■
10162704	■							■		■	■	■
10155823		■			■				■			■
10155824		■				■			■			■
10155825		■					■		■			■
10155826		■						■	■			■
10155823		■			■				■			■
10155824		■				■			■			■
10155825		■					■		■			■
10155826		■						■	■			■
10150151		■			■					■		■
10150152		■				■				■		■
10150153		■					■			■		■
10150154		■						■		■		■
10164009		■			■					■		■
10164010		■				■				■		■
10164021		■					■			■		■
10164022		■						■		■		■
10164023			■		■					■		■
10164024			■			■				■		■
10164025			■				■			■		■
10164026			■					■		■		■

Workman® Arc Flash Full-Body Harness

MSA Workman Arc Flash Harness provides excellent arc flash protection in a sleek, black design that's lightweight and comfortable. It's the economical choice for workers needing protection for arc flash and fall arrest. The high strength nylon is designed to maintain its integrity after exposure to an arc flash and in the event of a fall. The Workman Arc Flash Harness is a cost effective option for safety managers and contractors who need to be compliant to the latest electrical requirements without breaking the budget.

- Durable nylon material won't melt or drip in the event of an arc flash
- Y-shaped D-locator pad keeps torso straps off of the user's neck to prevent chafing
- Comes in both vest-type and crossover styles allowing user preference
- Velcro lanyard keepers for lanyard stowage when not in use
- Arc Flash symbol for easy identification
- ASTM F887 tested
- OSHA 1910.269 & 1926 Subpart V compliant
- Optional features: belay loops for rescue; rubber covers



P/N 10162694



P/N 10162686

Workman Arc Flash Harness (Steel D-Ring) Ordering Information

PART NO.	Style		Steel D-ring Configuration	Size				Leg Buckle Type		Standards
	Vesttype	Crossover		XSM	STD	XLG	SXL	Quik-Fit	Tongue Buckle	
10152651	■		■	■				■		■
10152652	■		■		■			■		■
10152653	■		■			■		■		■
10152654	■		■				■	■		■
10152636	■		■	■					■	■
10152637	■		■		■				■	■
10152638	■		■			■			■	■
10152639	■		■				■		■	■
10152659		■	■	■				■		■
10152660		■	■		■			■		■
10152661		■	■			■		■		■
10152662		■	■				■	■		■
10152674		■	■	■					■	■
10152675		■	■		■				■	■
10152676		■	■			■			■	■
10152677		■	■				■		■	■

Workman Arc Flash Harness (Steel D-Ring) Ordering Information

PART NO.	Style		Web Loop Configuration		Size				Leg Buckle Type		Belay Loops	Rubber Covers	Standards
	Vesttype	Crossover	Back	Back, Hips	XSM	STD	XLG	SXL	Quik-Fit	Tongue Buckle			OSHA/ANSI
10152640	■		■		■				■				■
10152648	■		■			■			■				■
10152649	■		■				■		■				■
10152650	■		■					■	■				■
10152632	■		■		■					■			■
10152633	■		■			■				■			■
10152634	■		■				■			■			■
10152635	■		■					■		■			■
10163234	■		■		■					■		■	■
10163238	■		■			■				■		■	■
10163266	■		■				■			■		■	■
10163269	■		■					■		■		■	■
10162689	■		■		■					■	■		■
10162690	■		■			■				■	■		■
10162691	■		■				■			■	■		■
10162692	■		■					■		■	■		■
10162693	■			■	■					■	■		■
10162694	■			■		■				■	■		■
10162695	■			■			■			■	■		■
10162696	■			■				■		■	■		■
10152655		■	■		■				■				■
10152656		■	■			■			■				■
10152657		■	■				■		■				■
10152658		■	■					■	■				■
10152663		■	■		■					■			■
10152671		■	■			■				■			■
10152672		■	■				■			■			■
10152673		■	■					■		■			■
10163240		■	■		■					■		■	■
10163297		■	■			■				■		■	■
10163303		■	■				■			■		■	■
10163305		■	■					■		■		■	■
10162681		■	■		■					■	■		■
10162682		■	■			■				■	■		■
10162683		■	■				■			■	■		■
10162684		■	■					■		■	■		■
10162685		■		■	■					■	■		■
10162686		■		■		■				■	■		■
10162687		■		■			■			■	■		■
10162688		■		■				■		■	■		■



Optional features:
belay loops or
rubber covers

Connecting Devices

V-SERIES® Utility Energy-Absorbing Lanyards



The V-SERIES Utility Lanyards have a shock-absorbing cover to support increased product life by protecting labels and shock absorber. Additionally, the easy to identify arc flash symbol ⚡ on the cover helps to make product selection simple.



P/N 10199061

PART NO.	Type		Snaphooks		Length	Standards		
	Single-Leg	Twin-Leg	Harness Connection	Anchorage Connection		ANSI Z359.13	OSHA	CSA Z259.11-17
10199061	■		Hitch loop	36C	6'	■	■	
10199062		■	Hitch loop	(2) 36C	6'	■	■	
10199064		■	Hitch loop	(2) 36CL	6'	■	■	
10199057	■		Hitch loop	36C	6'			■
10199058		■	Hitch loop	(2) 36C	6'			■
10199060		■	Hitch loop	(2) 36CL	6'			■
10199058		■	Hitch loop	(2) 36C	6'			■

Latchways® Arc Flash Personal Fall Limiters (PFLs)

- Suitable for use in work applications where arc flash is present
- Most compact arc-rated personal fall limiter in its class
- Kevlar web lifeline
- 6.5 ft. length
- Spring radial energy-absorption technology
- Aluminum triple-lock carabiner
- High-impact polycarbonate housing
- Clear housing for ease of inspection
- Can be used as twin-leg version using the TwinLink Connector
- User capacity up to 400 lbs.



P/N 63032-00N

PART NO.	Standards		
	ANSI Z359.14	CSA Z259.2.2	ASTM F887
63032-00N	■		■
63032-00NCA		■	■

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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