

# EVOTECH® Full-Body Harnesses

The Latest in Harness Technology



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

# EVOTECH® Full-Body Harness

MSA's new EVOTECH Full-Body Harness offers the latest design features that improve user comfort, ease of use, durability, and user safety.

## Comfort



No binding edge on shoulder padding – prevents neck chafing

Breathable padding with moisture-wicking material keeps users cooler



Patent-pending leg strap design keeps leg straps in place, increasing mobility and comfort

Leg strap padding provides additional comfort during work positioning and personnel riding activities

Patented variable-width sub-pelvic webbing provides 50% more surface area for improved weight distribution, improving comfort during work positioning and personnel riding applications



Cell phone holder now available.  
Part No. 10117271

*"It feels light and is easy to move around in."*  
– TB, Carpenter



*"Easy to put on and take off."*  
– WH, Laborer

## Ease of Use



Dual-color webbing – red pattern on outside, black on inside – simplifies harness donning and promotes easy identification of twisted webbing



Patent-pending web management system provides means of storing excess webbing



Available with Qwik-Fit™ Buckle hardware on chest and leg straps; includes slotted mating buckles for easier connection



Available with Quick-Connect Buckles – makes connecting and adjusting chest and leg straps quick and easy

### RFID Enabled

RFID chip provides easy means of tracking and inspecting product






# EVOTECH® Full-Body Harness

## Durability

- Web finials prevent fraying on web ends
- Washable shoulder pad is easily added and removed with Velcro
- NanoSphere® coating on webbing repels dirt, grease, moisture, etc.
- Covered label pack protects labels from environment

## Added Safety

- Reflective piping integrated into harness webbing increases visibility in low-light environments 
- Available with Suspension Trauma Safety Step to improve post-fall comfort and help to prevent suspension trauma 
- Available with Medical ID kit – provides vital medical information to potential rescuers/emergency personnel in the event of medical emergencies 



Positionable lanyard clip



3-position back D-ring allows users to determine optimal lanyard connection position



Patent-pending single-hand torso adjustment buckles simplify harness adjustment

## Approvals

- OSHA
- ANSI Z359.1
- CSA Z259.10-06

*“Capacity is great because construction workers tend to push the limit of other standard harnesses with body weight and tools.”*

*– CS, Safety Director*

## EVOTECH Full-Body Harness Ordering Information

Part Number	D-ring Configuration				Size		Leg Strap Type			Chest Strap Type		Padding			Accessories	
	Back	Back, Chest	Back, Chest, Hips	Back, Hips	Standard	X-Large	Quick-Connect	Tongue Buckle	Qwik-Fit	Quick-Connect	Qwik-Fit	None	Shoulder	Shoulder & Leg	None	Safety Step
10105889	•				•				•		•	•			•	
10105890	•					•			•		•	•			•	
10105931	•				•				•		•		•		•	
10105932	•					•			•		•		•		•	
10105933				•	•				•		•		•		•	
10105935				•		•			•		•		•		•	
10105936			•		•				•		•		•		•	
10105939			•			•			•		•		•		•	
10105940	•				•		•				•		•		•	
10105941	•					•	•				•		•		•	
10105942				•	•		•				•		•		•	
10105943				•		•	•				•		•		•	
10105944			•		•		•				•		•		•	
10105945			•			•	•				•		•		•	
10105946		•			•		•				•		•		•	
10105947		•				•	•				•		•		•	
10105948			•		•		•				•			•	•	
10105949			•			•	•				•			•	•	
10105950				•	•		•				•			•	•	
10105951				•		•	•				•			•	•	
10105952			•		•			•			•			•	•	
10105953			•			•		•			•			•	•	
10105954				•	•			•			•			•	•	
10105955				•		•		•			•			•	•	
10105956	•				•			•			•		•		•	
10105957	•					•		•			•		•		•	
10105958				•	•			•			•		•		•	
10105959				•		•		•			•		•		•	
10105960				•	•		•				•			•		•
10105961				•		•	•				•			•		•

*"It was the best harness I ever put on."  
 – JS, Carpenter*



# EVOTECH® Construction Harness

## Added Functionality

All the comfort, ease-of-use, and other features of the EVOTECH harness with the added functionality of an integral back pad with tool belt.



Breathable padding with moisture-wicking material keeps users cooler



Construction Harness features integral back pad and tool belt with dual-durometer padding for superior comfort in work positioning applications

*"Everything fit well!"*  
– DB, Safety Manager

"Great harness, very comfortable and sturdy with many advanced features."  
 – RR, Safety Supervisor



## EVOTECH Construction Harness Ordering Information

Part No.	D-ring Configuration		Size		Leg Strap Type			Chest Strap Type		Padding		Accessories		Standards
	Back, Hips	Back, Chest, Hips	Standard	X-Large	Quick-Connect	Tongue Buckle	Qwik-Fit	Quick-Connect	Qwik-Fit	Shoulder	Shoulder & Leg	None	Safety Step	OSHA/ANSI/CSA
10112708		•	•			•	•	•				•		•
10112709		•		•		•	•	•				•		•
10112710	•		•			•		•		•		•		•
10112741	•			•		•		•		•		•		•
10112742		•	•		•			•		•		•		•
10112743		•		•	•			•		•		•		•
10112744	•		•		•			•		•		•		•
10112745	•			•	•			•		•		•		•
10112746	•		•		•			•			•	•		•
10112747	•			•	•			•			•	•		•
10112748		•	•		•			•			•	•		•
10112749		•		•	•			•			•	•		•
10112750	•		•			•		•			•	•		•
10112751	•			•		•		•			•	•		•
10112752		•	•			•		•			•	•		•
10112753		•		•		•		•			•	•		•
10112754		•	•			•			•	•		•		•
10112755		•		•		•			•	•		•		•
10112756		•	•		•			•			•		•	•
10112757		•		•	•			•			•		•	•

A	B	C	D	E	F	G	H	I	J	K
Approval	Style of Harness	D-ring Configuration	Color	Size	Leg Strap Type	D-Ring Type	Chest Strap Type	Back Connection Type	Padding	Accessories
A OSHA C CSA	1 Vest Style 2 Vest Style Construction, Standard Hip D 3 Vest Style Construction, Cranked Hip D 4 Tower with Saddle Standard D 5 Tower less Saddle Standard D 6 Tower with Saddle Crank D 7 Tower less Saddle Crank D	1 Back 2 Back, Chest 3 Back, Chest, Hips 4 Back, Chest, Hips, Shoulders 5 Back, Hips 6 Back, Chest, Shoulders 7 Back, Shoulders 8 Back, Hips, Shoulders	1 Red	1 SM 2 STD 3 XL Vest Style XL Construction 4 SXL Vest Style SXL Construction	1 Quick-Connect 2 Tongue Buckle 3 Qwik-Fit	1 Steel	1 Quick-Connect 2 Qwik-Fit	0 D-ring only 1 Sure-Stop Shock Absorber 2 Dorsal Extension	0 None 1 Shoulder Pad 2 Leg Pads 3 Shoulder & Leg Pads	0 None 1 Safety Step 2 Medical ID Kit 3 Safety Step, Medical ID Kit

• PLEASE NOTE: Construction Harnesses are only available with D-ring configurations that include hip D-rings.

Column: A B C D E F G H I J K  
 AEVO            0  
 PART NUMBER

### Derrick/Monkey Board/Basket Work

The derrickhand/worker is exposed to great risk with regard to falls occurring on a drilling rig. Most related hazards that workers encounter involve working on the monkey board. Accessing the derrick ladder to the board or basket exposes these workers to a fall; 100% tie-off is critical to help ensure worker safety.

Derrick harnesses provide an 18" extension to the dorsal D-ring and a D-ring at the back of the derrick belt for monkey board work, necessary for fall restraint when leaning over the tripping pipe.



#### EVOTECH Derrick Harness Features

- 18" D-ring extension
- Positioning D-ring on back pad
- Metal or nylon saddle

### EVOTECH Derrick Harness Ordering Information

PART NO.	Leg Buckle Type	Saddle			Size			
	Quick-Connect	Metal	Nylon	XSM	STD	XLG	SXL	
10150836	•	•		•				
10152949	•	•			•			
10154124	•	•				•		
10154125	•	•					•	
10155538	•		•	•				
10153611	•		•		•			
10155680	•		•			•		
10155691	•		•				•	



## Comfortable and Easy to Use

*Take a load off during long shifts!  
Comfort seat makes longer work periods more comfortable.*

In addition to the superior technology of the EVOTECH Harness, the EVOTECH Tower Harness offers the following features:

- Variable-width webbing in the sub-pelvic area increases comfort and support when work positioning.
- Adjustable D-ring position.
- Integral body belt and removable saddle, constructed of dual durometer pad and Sorbtek fabric for ultimate comfort!
- ANSI/OSHA and CSA approval

EVOTECH Tower Harnesses include a body belt and saddle.

### Body belt

- Includes two side D-rings and two accessory rings

### Saddle

- Removable, uses two side D-rings
- Adjustable height
- Can be stored when not in use for added comfort when walking



## EVOTECH Tower Harness Harness Ordering Information

Part Number	D-ring Style		Size		Leg Strap Type		Chest Strap Type		Padding		Accessories	
	Tower w/ saddle and std D	Tower w/ saddle, crank D	Standard	X-Large	Quick-Connect	Tongue buckle	Quick-Connect	Qwik-Fit	Shoulder	Shoulder & leg	None	Safety step
10112758	•		•			•	•		•		•	
10112759	•			•		•	•		•		•	
10112760	•		•		•		•		•		•	
10112761	•			•	•		•		•		•	
10112762	•		•		•		•			•	•	
10112763	•			•	•		•			•	•	
10112764	•		•			•	•			•	•	
10112765	•			•		•	•			•	•	
10112766	•		•			•		•	•		•	
10112767	•			•		•		•	•		•	
10112768	•		•			•		•		•	•	
10112769	•			•		•		•		•	•	
10112770	•		•		•		•			•		•
10112771	•			•	•		•			•		•
10112772		•	•		•		•		•		•	
10112773		•		•	•		•		•		•	
10112774		•	•		•		•			•	•	
10112775		•		•	•		•			•	•	
10112776		•	•		•		•			•		•
10112777		•		•	•		•			•		•

All above P/Ns come with vest-type style; back, chest & hips D-ring configuration; red color; steel D-ring; D-Ring only back connection type; and no logo.

# EVOTECH® LITE Full-Body Harness

Working all day with the weight of a safety harness makes a tough job even tougher. MSA's EVOTECH® Lite Harnesses are 20% lighter than standard safety harnesses. Workers will feel the difference at the end of a long day. So lose the weight on workers' shoulders and lighten the compliance load from your back.

## Features

- Lightweight, durable aluminum buckles, D-rings and hardware
- NanoSphere coating repels water, dust and oil
- Patent-pending leg straps
- Shoulder pads with non-binding edge

## Durability

- Web finials prevent fraying on web ends
- Washable shoulder pad is easily added and removed with hook-and-loop fastener
- NanoSphere coating on webbing repels dirt, grease, moisture, etc.
- Covered label pack protects labels from environment



Available with aluminum Quick-Connect Leg Buckles—makes connecting and adjusting leg straps quick and easy



Aluminum back D-ring and hardware



No binding edge on shoulder padding—prevents neck chafing  
Breathable padding with moisture-wicking material keeps users cooler



Variable-width sub-pelvic webbing provides 50% more surface area for improved weight distribution, enhancing comfort during work positioning and personnel riding applications



## Reliable NanoSphere Textile Protection

NanoSphere textile coating uses nanotechnology to repel water, oil and dirt. Ecologically clean NanoSphere textile finish is a part of this product's outstanding cost of ownership.

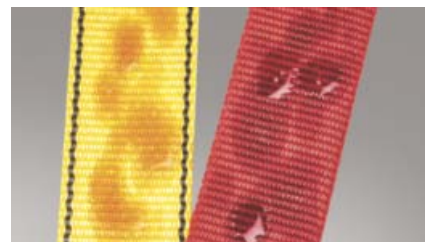
- Nanoparticles create a textile structure that causes water to run off and oil droplets to rinse away easily.
- Use of NanoSphere coating does not affect the appearance, texture or breathability of textiles.
- Self-cleaning function, less frequent washing and wash permanence provide greater product longevity.



NanoSphere-coated harness repels oil and water

## Added Safety

- Reflective piping integrated into harness webbing increases visibility in low-light environments



Harness without NanoSphere coating absorbs oil and water

## Approvals

- OSHA
- ANSI Z359.1
- CSA Z259.10

## EVOTECH LITE Full-Body Harness Ordering Information

Part Number	D-ring Configuration		Size				Leg Buckle Type	Standards	
	Back	Back, Hips	XSM	STD	XLG	SXL	Quick-Connect	ANSI Z359.1	CSA Z259.10
10155574	•		•				•	•	•
10155559	•			•			•	•	•
10155575	•				•		•	•	•
10155576	•					•	•	•	•
10155577		•	•				•	•	•
10155578		•		•			•	•	•
10155579		•			•		•	•	•
10155580		•				•	•	•	•

## Our Mission

MSA's mission is to see to it that men and women may work in safety and that they, their families, and their communities may live in health throughout the world.

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

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



**ID 2302-47-MC / Sept 2014**

© MSA 2014 Printed in U.S.A.

**MSA – The Safety Company**  
1000 Cranberry Woods Drive  
Cranberry Township, PA 16066 USA  
Phone 724-776-8600  
[www.MSAafety.com](http://www.MSAafety.com)

**U.S. Customer Service Center**  
Phone 1-800-MSA-2222  
Fax 1-800-967-0398

**MSA Canada**  
Phone 1-800-672-2222  
Fax 1-800-967-0398

**MSA Mexico**  
Phone 01 800 672 7222  
Fax 52 - 44 2227 3943

**MSA International**  
Phone 724-776-8626  
Toll Free 1-800-672-7777  
Fax 724-741-1553  
Email [msa.international@msanet.com](mailto:msa.international@msanet.com)

### Offices and representatives worldwide

For further information: