



**Madaco Safety Products, Inc**  
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User Manual For Madaco Tuff belt  
**Harnesses**

**The following instructions must be read and known before product is used. Not doing so could result in serious injury or death.**

The instructions/products contained in this manual are manufactured to meet the requirements set by ANSI Z359.1 and OSHA 1926. This manual should be used in conjunction with your companies training program.

## 1: Warning

**1.1** Fall protection harnesses are made to withstand the impact forces of a fall only once. If a harness is subject to a fall the harness must be destroyed and removed from service, even if there is no visible damage to the harness.

**1.2** Only use compatible devices with this harness that will not affect the safe performance of the harness as intended. Be sure that all connecting hardware is compatible before use.

**1.3** Modifications and repairs to the harness must be authorized in writing from Madaco. Unauthorized modification or repair may result in injury or death. Misuse or abuse to the harness will void the manufactures warrantee.

**1.4** The user of this harness should maintain a documented rescue plan and the ability to access it immediately incase a fall occurs.

**1.5** Chemical exposure to the harness may affect integrity and performance of the components. Be highly cautious of acidic chemicals that may cause damage. If harness is exposed to acidic chemicals the harness must be destroyed and removed from service immediately.

## 2: Restrictions

**2.1** Fall protection harnesses are to be used with other components of a complete personal fall arrest system (PFAS). The system when used correctly will stop a fall while lessening and dispersing the impact forces on the body. Madaco fall protection harnesses should only be used with other components manufactured by Madaco unless identified as being safe and compatible by a qualified individual. Use of fall protection harnesses with incompatible (PFAS) systems will negatively affect the performance of the harness. Unless otherwise stated this harness is not fire retardant or resistant. 6 feet is the maximum allowable free fall distance for all Madaco Fall Protection harnesses.

**2.2** The Maximum weight capacity including tools for full body harnesses unless noted otherwise is 310 LBS.

**2.3** Hazards such as but not limited to; corrosive environments, gases, heat, power lines, moving vehicles, sharp edges and chemicals, require additional safety precautions in order to prevent damage to the harness/user. If you have any questions about environmental hazards effects on a harness contact Madaco.

## 3: Training

**3.1** Training: This fall protection harness is intended to be used by a trained, qualified competent person that is aware of the correct uses and applications.

## 4: Applications

**4.1** Madaco fall protection harnesses are manufactured to offer the highest level possible of comfort and safety. Correct adjustment to fit the wearer is essential to achieve proper function of a harness and PFAS system.

## 5: Attachments and Usage

**5.1** Personal fall arrest systems connected to the full body harness are to be connected to the dorsal D-ring only. D-rings located at the chest, waist, shoulders and lower back are for other purposes than fall arrest and should not be used as fall arrest attachments.

**5.2** Anchorage points attached to the Personal fall arrest system shall be capable of withstanding a static load of 5,000 lbs for each user that is attached to the system. (ANSI Z359.1)

**5.3** For inspection, traceability and proper fitting reasons Madaco suggest that each person is designated with their own fall protection harness.

**5.4** To prevent injury due to a swing fall hazard work as directly under and in front of your anchorage points as possible.

**5.5** In case of a fall, user of this fall protection equipment must have a rescue plan prepared and accessible at all times.

**5.6** While working in environments with moving machinery and electrical hazards double check the proper fit of the harness. Loose and sagging webbing may present a danger in hazardous environments.

**5.7** Do not cut or use alternate means not provided by the harness to secure loose webbing. (Tape, rubber bands, glue...Etc) If the harness doesn't fit properly or has excess webbing, contact your manager or Madaco for a solution prior to use.

**5.8** Check the compatibility/function of all components of the fall arrest system both visually and physically before every use.

## 6: Inspection Maintenance and Storage

**6.1** A maintenance log is provided both on this manual and the harness its self, record inspections on both locations. Warning labels and inspection log located on the harness must be present at all times.

**6.2** Formal inspections on the harness should be conducted monthly unless it is being used in a hazardous environment, in which case the harnesses should be inspected before and after each use. When inspecting the harness, look for: burns, cuts, holes, fraying of webbing or stitching, discoloration, cracks, chips or malfunction of the hardware. If any of the above are present destroy harness and remove from service immediately.

**6.3** When storing the harness keep in a place that's away from direct sunlight, extreme temperatures and corrosive present areas. Exposure to these elements over time may cause the webbing and hardware weaken. Store harness in doors and at room temperature.

**6.4** Clean harness as needed with residential grade soap and water do not use acid based solvents. Let the harness dry slowly, in doors, away from sunlight and direct heat.

## 7: Specifications

- Nylon/Polyester or Kevlar/nomex webbing: 7,000 Lbs
- D-Rings/Attachment points: 5,000 Lbs
- Buckles: 4,000 Lbs
- Hardware: Forged or stamped carbon steel

## 8: Warranty

**8.1** Equipment offered by MADACO is warranted against factory defects in workmanship and material for a period of one year from the date of purchase. This warranty does not cover damages to the equipment as a result of abuse, damage in transit, or damages beyond the control of Madaco Safety Products, Inc. The warranty only applies to the original purchaser; also the warranty only applies to products.

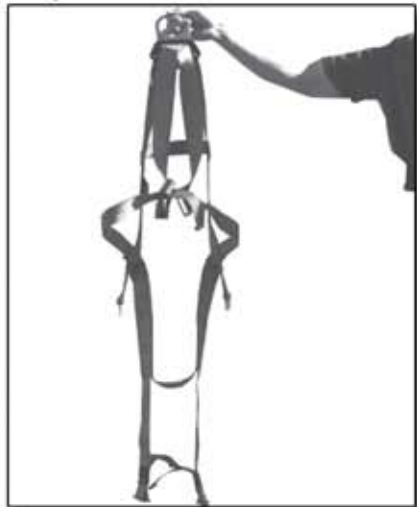
## 9: Models

TB-201A	TB-201A-P
TB-201A-FL	TB-201B
TB-201C	TB-201C-FL
TB-201D	TB-201D-FL
TB-205A	TB-205A-P
TB-205A-AL	TB-205A-XXL
TB-205A-XXXL	TB-205B
TB-205B-RT	TB-205C
TB-205D	TB-201-AV
TB-205-AV	TB-205A-MAX
TB-205K	TB-20K-P-X
TB-205-AVH	TB-208-BOSUN
TB-225AP	TB-218D-RTX
TB-215+	TB-501
TB-502	TB-603
TB-108	TCH-609
TCH-609FR	



# PUTTING ON THE HARNESS

Step 1:



Locate the back D-ring and hold the harness upright.

Step 3:



Make the longer strap on the right side, wrap it around the outside of your leg then bring inward between your legs and connect to shorter strap on the right side. Repeat step 3 for the left side.

Step 2:



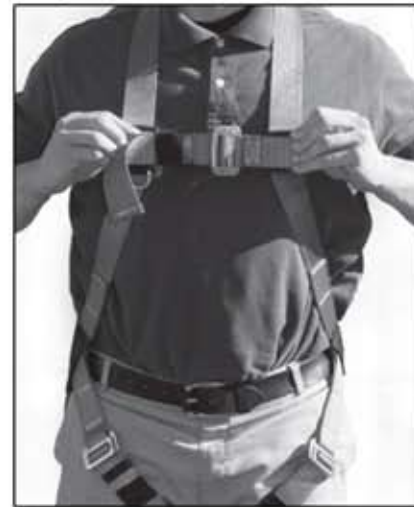
Disconnect buckles at chest and legs to release straps and put on like a jacket.

Step 4:



Connect chest buckles and pull excess strap through tight.

Step 5:



Be sure that the buckle is located at the center of your chest by moving the plastic buckles that join the horizontal and vertical straps up or down.

Proper Fit



Make certain that all straps are untangled and pulled snug to the body. Do not wear harness in a loose or baggy fashion; the harness will not operate effectively if the harness is not used as directed.

## Inspection Log

Date	Item Inspected	Action Taken	Clean Y/N
Inspected By:			
Inspected By:			
Inspected By:			
Inspected By:			
Inspected By:			
Inspected By:			
Inspected By:			
Inspected By:			
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