

Miller 1011890

Miller Titan 1P Fall Protection Harness User Manual

Model: 1011890



Image 0.1: General view of a construction site, highlighting the importance of safety equipment.

1. PRODUCT OVERVIEW

The Miller Titan 1P Fall Protection Harness (Model 1011890) is a lightweight and economical harness designed for fall protection systems. It is fully adjustable to fit various sizes and complies with European standard EN 361:2002.

Key features include:

- Durable polyamide webbing with a breaking strength of over 15 kN.
- Blue and black pattern for easy identification of correct adjustment.
- Galvanized steel quick-release buckles.
- Sliding stainless steel dorsal D-ring for comfort.
- Sub-pelvic strap to maintain user comfort and upright position.
- Approximate weight: 0.5 kg.
- Temperature range: -30°C to +50°C.





Image 1.1: The Miller Titan 1P Fall Protection Harness, showing its overall design.

2. SETUP AND ADJUSTMENT

Proper fitting of the harness is crucial for safety and comfort. Follow these steps for correct setup:

1. **Inspect the Harness:** Before each use, visually inspect the harness for any signs of damage, wear, cuts, or chemical exposure. Ensure all buckles and D-rings are free from corrosion or deformation.
2. **Donning the Harness:**
 - Hold the harness by the dorsal D-ring. Shake it gently to allow the straps to fall into place.
 - Step into the leg straps, ensuring they are not twisted. The sub-pelvic strap should be positioned correctly.
 - Pull the shoulder straps over your shoulders. The dorsal D-ring should be centered on your back, between your shoulder blades.
3. **Adjusting the Straps:**
 - **Leg Straps:** Fasten the leg strap buckles. Adjust the straps so they are snug but allow for a flat hand to be inserted between the strap and your leg.
 - **Chest Strap:** Fasten the chest strap buckle and position it across the mid-chest area. Adjust it to be snug, ensuring the shoulder straps are kept taut.
 - **Shoulder Straps:** Adjust the shoulder straps to ensure the harness fits snugly over your shoulders without excessive slack. The blue and black pattern helps confirm correct orientation and adjustment.
 - **Sub-Pelvic Strap:** Ensure the sub-pelvic strap is properly positioned to maintain comfort and an upright position in case of a fall.
4. **Final Check:** After adjustment, ensure all buckles are securely fastened and all excess webbing is neatly stowed.

The harness should fit snugly without restricting movement.



Image 2.1: Proper placement of the dorsal D-ring on the back.



Image 2.2: Side view of a worker wearing the harness, demonstrating proper fit during activity.

3. OPERATING INSTRUCTIONS (FALL PROTECTION)

The Miller Titan 1P harness is designed as a component of a personal fall arrest system. It must always be used in conjunction with other compatible fall protection equipment, such as lanyards, energy absorbers, and anchor points, as per local regulations and safety standards.

- **Connection:** Connect your fall arrest lanyard or other connecting device to the dorsal D-ring. Ensure the connection is secure and compatible with the D-ring.
- **Anchor Point:** Always connect to an approved anchor point that can withstand the required load (typically 5000 lbs or 22 kN per worker).
- **Clearance:** Ensure sufficient fall clearance below the work area to prevent contact with lower levels or obstructions in the event of a fall. Account for lanyard length, energy absorber deployment, and harness stretch.
- **User Weight:** The harness is designed for users within a specific weight range. Refer to the specifications section for maximum weight capacity.
- **Post-Fall Procedure:** In the event of a fall, immediately remove the harness from service. Do not reuse a harness that has sustained a fall. Inspect all components of the fall arrest system. Seek medical attention if necessary.



Image 3.1: Worker utilizing the harness during climbing activities, connected to a fall protection system.

4. MAINTENANCE AND STORAGE

Proper maintenance and storage extend the life of your harness and ensure its continued safety performance.

- **Cleaning:** The harness should be hand washed only. Use a mild soap and water solution. Rinse thoroughly with clean water and allow to air dry completely in a shaded area, away from direct sunlight or heat sources.
- **Inspection:** Conduct a thorough inspection before each use. Look for:
 - Cuts, fraying, or excessive wear on webbing.
 - Deformation, cracks, or corrosion on metal hardware (D-rings, buckles).
 - Damage to stitching.
 - Signs of chemical exposure, heat damage, or UV degradation.
- **Storage:** Store the harness in a clean, dry, and cool place, away from direct sunlight, corrosive chemicals, extreme temperatures, and sharp objects.
- **Service Life:** Adhere to the manufacturer's recommended service life, typically indicated by a date on the product label. Even if unused, materials can degrade over time.

5. TROUBLESHOOTING AND SAFETY WARNINGS

This section addresses common issues and critical safety warnings.

5.1 Troubleshooting Common Issues

- **Harness feels uncomfortable or loose:** Re-adjust all straps (leg, chest, shoulder) to ensure a snug fit. Refer to Section 2 for detailed adjustment instructions.
- **Straps are twisted:** Remove the harness and untwist all straps before donning again. The blue and black pattern helps identify correct orientation.
- **Difficulty fastening buckles:** Ensure buckles are clean and free of debris. If they are damaged or corroded, the harness must be removed from service.

5.2 Safety Warnings

- **Training Required:** This harness must only be used by trained and competent persons who understand its proper application, limitations, and the associated risks.
- **System Compatibility:** Only use this harness as part of a complete fall arrest system with compatible components. Consult the manufacturer's instructions for all components.
- **Inspection:** Always inspect the harness before each use. Any damaged or suspect equipment must be immediately removed from service.
- **Fall Event:** A harness that has been subjected to fall arrest forces must be immediately removed from service and destroyed.
- **Modifications:** Never alter or modify the harness. Repairs must only be performed by the manufacturer or an authorized service center.
- **Environmental Factors:** Be aware of environmental factors such as extreme temperatures, chemicals, sharp edges, and electrical hazards that can affect the harness's performance.

6. SPECIFICATIONS

Model Number	1011890
--------------	---------

Brand	Miller
Type	1-Point Fall Protection Harness
Material	Polyester Webbing
Color	Blue/Black
Size	Universal (1P)
Weight (approx.)	0.5 kg
Breaking Strength	>15 kN
Maximum Weight Capacity	1500 kg
Temperature Range	-30°C to +50°C
Standard Compliance	EN 361:2002
Care Instructions	Hand wash only

Note: The stated maximum weight capacity of 1500 kg refers to the ultimate breaking strength of the harness. For safe use, always refer to the specific user weight limits provided by the manufacturer, which typically include the user's body weight plus tools and equipment.

INDUSTRIEL CONFORT (IC)	QUICK FIT (QF)	INDUSTRIEL STANDARD (IS)	HAUTE VISIBILITÉ (HV)
			
Rembourrage ergonomique, léger et très respirant au niveau des épaules et du dos Sangle confortable spécialement formulée pour les jambes et les épaules Portes longues pratiques et faciles à réinstaller	• Gilet en maille respirante léger • Sangle confortable spécialement formulée pour les jambes et les épaules • Portes longues pratiques et faciles à réinstaller	• Solution intelligente anti-emmêlement facile à enfiler • Sangle confortable spécialement formulée pour les jambes et les épaules • Portes longues pratiques et faciles à réinstaller	• Veste de haute visibilité doublée confortable et légère (EN ISO 20471 classe 2) • Sangle confortable spécialement formulée pour les jambes et les épaules

Image 6.1: Overview of different Miller harness types and their features.

7. WARRANTY AND SUPPORT

This Miller Titan 1P Fall Protection Harness comes with a manufacturer's warranty.

- **Warranty Period:** 1-year manufacturer warranty.
- **Warranty Claims:** For warranty claims or technical support, please contact Miller customer service or your

authorized dealer.

- **Contact Information:** Refer to the product packaging or Miller's official website for the most current contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question