

# LANYARD

# SAFETY

REFERENCE: 50-23RG

ADJUSTABLE SHOCK ABSORBING LANYARD

## Description

Shock absorbing lanyard manufactured in 25 mm polyester webbing with adjustable length.

## Generalidades

The lanyard ref. 50-22GA/50-22GC is part of the Personal Fall Arrest System/Restriction system and its use is recommended when carrying out work at heights. (according to requirements established by Colombian Government law, resolucion 1409 de 2012).

• **50-23RGA:** Adjustable Energy absorber lanyard made of 25mm wide polyester webbing and hooks with double safety system and 21mm / 55mm opening to easy connection to anchor point. The length can be adjusted between 60cm and 1.80m.

Its functions are:

- Fall arrest system.
- It is recommended higher heights than 6m.
- It supplements harnesses with reference: 50-11, 50-12, 50-13.

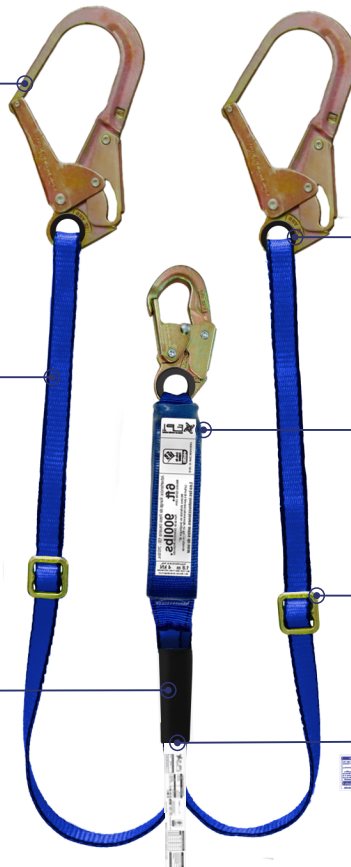
## Certification



ANSI/ASSE Z359.13-2013

| Energy Absorber          |                                 |
|--------------------------|---------------------------------|
| Icontec Certified:       | <b>ANSI Z359.13 - 2013</b>      |
| Length after Activation: | <b>1,08 m</b>                   |
| Stop Force:              | <b>900 lb (4 kN)</b>            |
| Maximum Free Fall :      | <b>6ft. (1.8 m)</b>             |
| User Weight Range :      | <b>130-310 lbs. (59-140 kg)</b> |

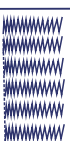
**Ganchos de seguridad**  
Hooks with double safety system, one of them with a 2½" opening to connect with the harness dorsal ring and two hooks with 3/4 to connect to anchor point.



**Polyester Webbing**  
25mm wide webbing made of braided polyester fibers.



**Reinforced Seam**  
Polyester thread seam design in zigzag reinforced to offer a better resistance.



**Plastic Bushing**  
To protect the webbing from friction against the safety hook.



**Energy Absorber**  
The integrated absorber provides energy absorption in a fall and thus limits the impact force on the



**Graduation Buckle**  
Metal buckle to adjust the lanyard length by hand.



**Protective Cover And Label**  
Cover to protect the label which contains information as product number, certification, production date, blank spaces for inspection and warnings.

## IMPORTANT:

This element must not be used as implement for extreme sports with freefall.

**Technical Features**

- 100% polyester webbing with resistance to friction and abrasion.
- Includes label with product information and blank spaces to inspection.
- Seam made of high resistance polyester thread.
- Manufactured in 25mm wide webbing.
- Webbing and seams for easy inspection.
- This equipment meets ICONTEC requirements for ANSI/ASSE Z539.13-2013.

**Applications:**

- Fall Arrest
- Movement Restriction
- To be used at:

*Mining,  
Industry,  
Installations  
Construction  
Cabling  
Outside  
Cleaning  
Painting  
Specialized Work*

**Technical information**

| REFERENCE         | Q | REGULATORY REQUIREMENTS |              |            | MATERIAL  | COLOR             | WEIGHT |
|-------------------|---|-------------------------|--------------|------------|-----------|-------------------|--------|
|                   |   | NORM                    | MIN.STRENGTH | REAL VALUE |           |                   |        |
| Webbing           |   | NTC 2037-2010           | 37,8 kN      | 40 kN      | Polyester | Verde Neón / Azul |        |
| Snap hook 3/4"    |   | ANSI Z359.12-2009       | 22,2 kN      | 37 kN      | Steel     | Yellow Zinc       | 332 g  |
|                   |   | NTC 2037-2010           | 22,2 kN      |            |           |                   |        |
| Rebar hook 2 1/2" |   | ANSI Z359.12-2009       | 22,2 kN      | 45 kN      | Steel     | Yellow Zinc       | 800 g  |
|                   |   | NTC 2037-2010           | 22,2 kN      |            |           |                   |        |
| Graduation Buckle |   | ANSI Z359.12-2009       | 15 kN        | 18 kN      | Steel     | Yellow Zinc       | 46 g   |

**Lab tests**

| TEST   | NORM              | REQUIREMENTS  | TEST RESULTS  | FULFILLS |
|--|-------------------|---|---|----------|
| <b>Static Resistance</b>   | ANSI Z359.13-2013 | It must to endure a 22.2kN load during a minute without breaking.   | The lanyard endures a 22.2kN load for more than 1 minute. | YES      |
| <b>Dynamic Performance</b>   | ANSI Z359.13-2013 | The lanyard is connected to an anchor point and attached to a test weight of 128kg. It is dropped from a height of 1,80m, and the maximum arresting force must be less than 8kN. The lanyard must not stretch more than 1,2m and must not release the weight.   | Maximum arresting force:<br>Between 3,95kN and 4,04kN     | YES      |
|  |                   |   | Average force:<br>Between 3,07 kN and 3.86kN              |          |
|  |                   |   | The elongation is between<br>0,68m and 1.060m             |          |
| <b>Rendimiento dinámico</b><br>(Environment tests)<br>Heat: 45°C for 8 hours.<br>Cold: -38°C for 8 hours.<br>Humid: Immersed in water at 20°C for 8 hours. | ANSI Z359.13-2013 | The lanyard is preconditioned for the estimated hours, connected to an anchor point and attached to a test weight of 128kg. It is dropped from a height of 1,80m, and the maximum arresting force must be less than 8kN. The lanyard must not stretch more than 1,2m and must not release the weight. | Maximum arresting force:<br>Between 3,85kN and 4,12kN     | SI       |
|  |                   |   | Average force:<br>Between 3,17 kN and 3.81kN              |          |
|  |                   |   | The elongation is between<br>0,68m and 1.060m             |          |

**IMPORTANT:**

The service life of this product is given by the use, care, maintenance and proper storage.

Information on the Label

**Manufacturer logo**

**Product reference**

**Product identification**

**Inspection date**

**Preventive information**

**Technical specification**

**Product date**

**Manufacturer information**

**Annual Inspection number**

**EPI** Equipos de Protección Individual

**ESPECIFICACIONES TÉCNICAS**

|   |           |
|---|-----------|
| Material:   | Poliéster |
| Distancia máx. de caída libre -6:                     | 1,80 m    |
| Altura mínima de trabajo (desde el punto de anclaje): | 6 m       |
| Elongación máxima:                                    | 1,067 m   |

**ESLINGA DE ABSORCIÓN DE ENERGÍA**

| FIJA                             | GRADUABLE                         |
|----------------------------------|-----------------------------------|
| <input type="checkbox"/> 50-22   | <input type="checkbox"/> 50-22G   |
| <input type="checkbox"/> 50-22-2 | <input type="checkbox"/> 50-22-2G |
| EN Y                             | EN Y                              |
| <input type="checkbox"/> 50-23   | <input type="checkbox"/> 50-23G   |
| <input type="checkbox"/> 50-23R  | <input type="checkbox"/> 50-23RG  |

No es posicionamiento

**A B C 6**

Longitud: \_\_\_\_\_ m.

Número de producto: **XXXXXXXXXX**

**FECHA DE FABRICACIÓN**

AÑO: **2018** / **2019**

Hecho en: COLOMBIA

Calle 32 # 2C - 51 / Tel: (57)(2) 441 5330 - www.episafety.com / Cali - Colombia

**FECHA DE INSPECCIÓN**

| AÑO | Nº 1 | Nº 2 |
|-----|------|------|
| 1   |      |      |
| 2   |      |      |
| 3   |      |      |
| 4   |      |      |
| 5   |      |      |
| 6   |      |      |

**¡ADVERTENCIA!**

- Lea detenidamente y siga las instrucciones del fabricante incluidas en este equipo.
- Evite contacto con bordes cortantes y superficies abrasivas.
- Realice solo conexiones compatibles.
- Utilice este absorbedor en sistemas de detención de caídas de acuerdo a la distancia de caída necesaria sin que supere la máxima distancia permitida.
- Conecte el brazo libre de la eslinga en el porta eslinga del arnés.

**NO REMUEVA ESTA ETIQUETA**

Warnings

- The service life of this product is given by the use, care, maintenance and proper storage.
- Service life timeline starts at the moment the harness is subjected to first use. It should not be used manufacturing time to determine service time.
- It must be to follow instructions included within the harness at the moment it is dispatched.
- Before using this product, make a correct calculation of the requirements needed (height, activity, kind of work) to be sure the product is suitable.
- Do not alter the product.
- This product is not electricity, flame or chemical resistant, therefore take the necessary precautions for use in environments that have these sources of risk.
- This product offers limited protection in highly corrosive environments, therefore take the necessary precautions to protect the product and prolong its service life.
- This product has not sunlight protection so avoid long sun exposure which could cause discoloration on the product. Take the necessary precautions to protect the product and prolong its service life.
- The user must be trained to use this equipment; therefore, they must meet the training requirements established by Colombian Government law (resolucion 1409 de 2012).
- This equipment must be inspected once a year by qualified personal according EPI S.A.S. inspection standard.

Warranty Policies

- This product is certified under quality standards ANSI Z359. 11-2014 and NCT 2037-2010
- Warranty applies ONLY before first use due to manufacturing defects or defects of any of its parts.
- As manufacturing defects: Fraying in ropes or seams, rips, damaged plastic buckles, missing parts.

The product will be not accepted if presents:

- webbing with paint contamination or it is frayed by external elements.
- The seams show wear.
- Lack of any of the labels due to being torn off or illegibility of them by use.
- Damage on metal parts such as breaks, sharp edges, deformation, corrosion, chemical attack, alteration and abusive use.
- Damage on webbing produced by knots, excessive elongation, chemical attack, sulfation, excessive dirt, abrasion, alteration, excessive lubrication and abusive use.
- Alteration, Absence of parts, evidence of damage due to improperly performed functions, or by mechanical devices and connectors.

Note:

- It is important to read all the information included in the instruction guide before using any product.
- The company is not responsible for any product that has been repaired outside its facilities.
- Exchange of products due to low rotation is not accepted.

IMPORTANT:

Service life timeline starts at the moment the harness is subjected to first use.