

HARNESSES

SAFETY

REFERENCE: 50-09B

HARNESSES WITH SHOCK ABSORBING LANYARD

Description

H model certified standard harness, with 3 metal rings and a fixed energy absorber system lanyard made of polyester webbing.

Peso : 1803g

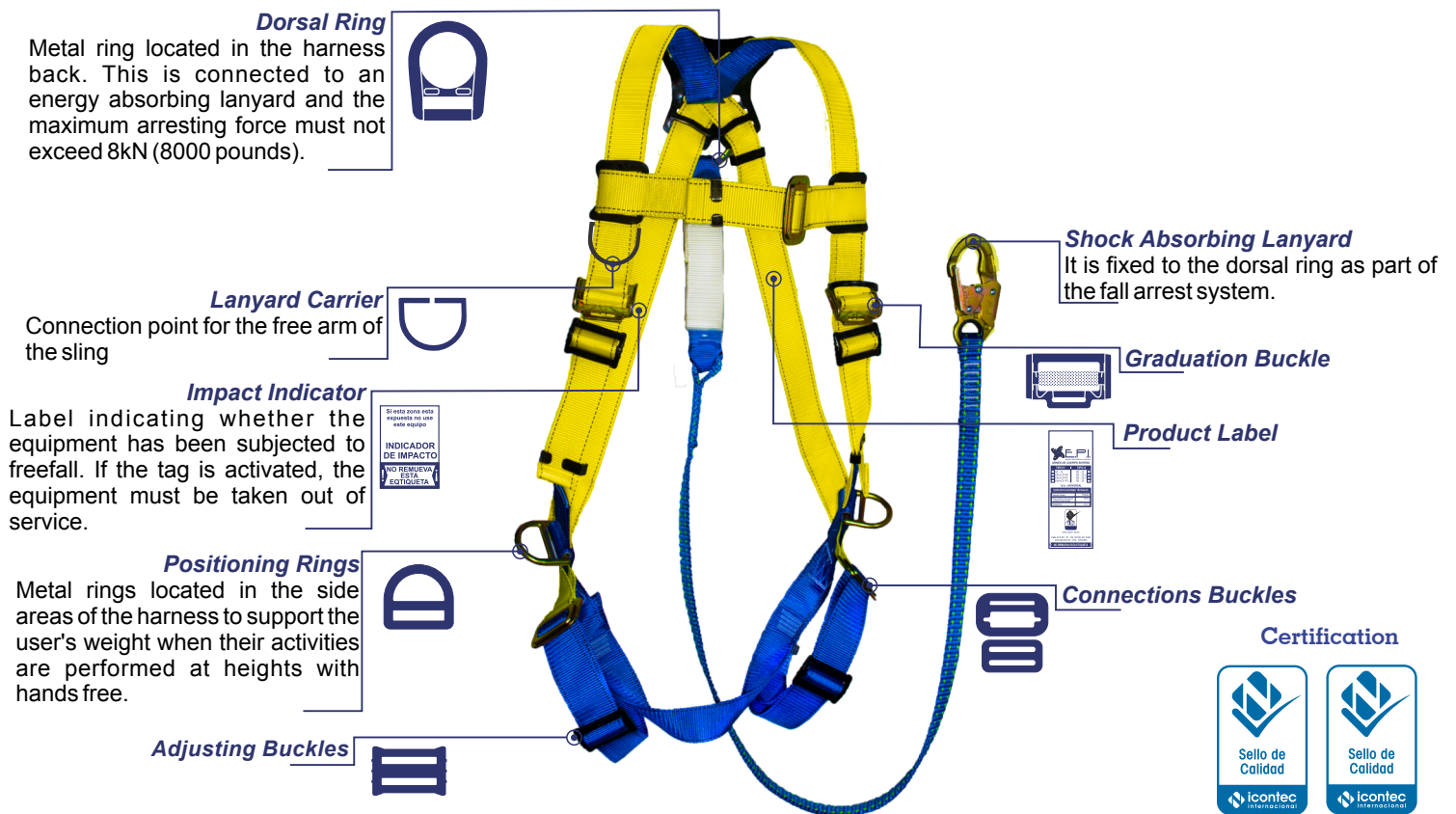
General Information

The harness is part of the Personal Fall Protection System and its use is recommended when carrying out work at heights. (according to requirements established by Colombian Government law, resolution 1409 de 2012).

-Its main function is to correctly distribute the force produced by the braking impact and allow the user to be suspended vertically. With an angle of inclination about 30°.

Lanyard: Shock absorbing system lanyard certified under requirements ANSI Z539.13 for falls about 6ft (1,80m), made of 25 mm polyester webbing and safety hook with double safety system and 3/4 (21mm) opening. The lanyard length before activation is 1,80m.

The energy absorber is made of 45mm polyester webbing and it is designed to reduce the impact force under lower levels to 8kN and once it is opened this stretches the lanyard to 1,20m



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.
- Label for custom marking with name and RH.
- Seam made of high resistance polyester thread.
- Metal rings with tropicalized protection.
- Includes adjusting buckles to hold the spare webbing.
- Manufactured in 45mm wide webbing.
- Webbing and seams for easy inspection.
- Integrated impact indicator.
- Includes lanyard carrier.
- This equipment meets requirements of ANSI/ASSE Z359.11-2014 and NTC 2037-2010.
- The lanyard is certified by ANSI/ASSE Z.359.13-2013.

Applications:

- Fall Arrest (dorsal ring)
- Movement Restriction (dorsal ring)
- 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		ANSI Z359.11-2014	22.2kN	29 kN	Polyester	Neon green and blue	
		NTC 2037-2010	22.2kN				
Connection Buckle	3	ANSI Z359.12-2009	15 kN	18,5 kN	Steel	Yellow Zinc	78g
		NTC 2037-2010	17,8 kN				
Graduation buckle	2	ANSI/Z359.12-2009	15 kN	19 kN	Steel	Yellow Zinc	96g
		NTC 2037-2010	17,8 kN				
Dorsal D ring	1	ANSI/Z359.12-2009	22.2kN	32 kN	Steel	Yellow Zinc	146g
		NTC 2037-2010	22.2kN				
Lateral D rings	2	ANSI/Z359.12-09	22.2kN	30 kN	Steel	Yellow Zinc	80g
		NTC 2037-2010	22.2kN				
¾ safety hook	1	ANSI/Z359.12-2009	22.2kN	37 kN	Steel	Yellow Zinc	332g
		NTC 2037-2010	22.2kN				
Lanyard carrier	1	ANSI/Z359.11-2014	Menor a 500 N	215 N	Polyethylene	Black	5,4g

IMPORTANT:

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

Lab tests

TEST	NORM	REQUIREMENTS	TEST RESULTS	FULFILLS
Static Resistance (To test dorsal, frontal, pectoral and lateral connection points)	ANSI Z359.11-2014	It must to endure a 16kN load in each of the connection points (rings) during a minute without breaking, fraying or release the torso. The slip on the adjustable buckles must not be higher than 25mm.	16kN resistance in each connection point	YES
			There's no breaking, fraying nor release of the torso.	
			There's no slip of adjustable buckles.	
Dynamic Performance (Simulating standing fall to test dorsal, frontal and pectoral connection points)	ANSI Z359.11-2014	The harness is dropped from a height which must generated n impact force greater than 16kN. At the fall moment the harness must hold the torso at less 5 minutes. For falls with the dorsal ring, the angle of repose must be less than 30 ^a and for fall with the pectoral rings, this angle most be less than 50 ^a . The harness stretch must be less than 457mm.	The force impact generated is greater than 16kN	YES
			The angle of repose is: Dorsal: Between 8 ^a and 29 ^a Pectoral:	
			The harness stretch is in the range of 50-250mm.	
			The harness held the torso more than 5 minutes.	
Dynamic Performance (Simulating a head fall to test only dorsal connection point)	ANSI Z359.11-2014	The harness is dropped from a height which allows a head fall with an impact force more than 16kN. At the fall moment, the harness must hold the torso at less 5 minutes and the angle of repose must be less than 30 ^o .	The force impact generated is greater than 16Kn	YES
			The angle of repose is between 8 ^a and 29 ^a	
			The harness held the torso more than 5 minutes.	
Fall Indicator Test	ANSI Z359.11-2014	The harness is dropped from a height which allows a fall of 610mm. An energy absorber certified with ANSI Z359.13-2013 norm must be used and has to activated at the moment of the fall.	The energy absorber was activated after the fall.	YES
Static Resistance (To test only dorsal connection point)	NTC 2037-2010	It must to endure a 22,2kN load in the dorsal connection point during a minute without breaking, fraying or release the torso. The slip on the adjustable buckles must not be higher than 25mm.	22kN load was applied.	YES
			There's no breaking, fraying nor release of the torso.	
			There's no slip of adjustable buckles.	
Dynamic Performance (Simulating a head and standing fall to test only dorsal connection point)	NTC 2037-2010	The harness is dropped from a height which allows a fall of 1M. At the fall moment, the harness must hold the torso at less 5 minutes and the angle of repose must be less than 30 ^o .	The harness held the torso. more than 5 minutes.	YES
			The torso was not released by the harness.	
			The angle of repose is: Head fall: Between 9 ^a and 10 ^a Standing fall: Between 8 ^a and 19 ^a	

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Information on the Label

Manufacturer logo

Product reference

Technical specification

Certificate institution

Manufacturer information

Preventive information

Product identification

Product date

Annual inspection number

Inspection date

Equipment functions description

Weight allowed to equipment use.

ESPECIFICACIONES TÉCNICAS

Materia (Arnés y Eslinga de Absorción):	Poliéster
Peso máximo del usuario incluido herramientas:	140 kg
Resistencia:	22.2 kN

ESPECIFICACIONES TÉCNICAS ABSORBEDOR DE ENERGÍA

Materia:	Poliéster
Fuerza máxima de detención Norma NTC 2037-2010:	4.0 kN
Elongación máxima Norma NTC 2037-2010:	1,067 m
Distancia máxima de caída libre:	3 m
Altura mínima de trabajo:	6 m

FECHA DE FABRICACIÓN

MES		AÑO	
1	2	3	4
5	6	7	8
9	10	11	12
2016		2017	

FECHA DE INSPECCIÓN

AÑO	Nº 1	Nº 2
1		
2		
3		
4		
5		
6		

FUNCIONES INCLUIDAS

- Argolla Dorsal DETENCIÓN DE CAÍDAS
- Argollas Laterales POSICIONAMIENTO
- Argolla Frontal ASCENSO / DESCENSO
- Argolla Pectoral DETENCIÓN DE CAÍDAS LIMITADAS
- Argollas Hombros RESCATE / ESPACIOS CONFINADOS

ANSI Z359.11-2014
ANSI Z359 Reconoce el uso de este Arnés solo para usuarios de peso comprendido entre: **59 - 140 kg.**

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.

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