TECHNICAL SHEET

HARNESS SAFETY

E.P.I.
Equipos de Protección Individual

REFERENCE: PAX-LF-KO

FIREPROOF HARNESS WITH 4 POINTS CONNECTION

Description

X model premium harness made of polyaramide webbing and thread fulfilling the requirements of ASTM F887 (40 Cal/ cm2)

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, resolucion 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 30º.

This harness should be supplemented with positioning lanyard ref. PEP-SRK-1F. In case of descent and ascent activities and fall arrest protection, it is recommended to use Y-Lanyards with energy absorbing system as ref. PED-DYRK-2F..

Dorsal Ring
Dielectric coated metal ring located in the harness back. This ring must be connected to an energy absorbing lanyard and the maximum arresting force must not exceed 8kN (8000 pounds) or it should include a restriction lanyard to limit the user's displacement.

Lanyard Carrier
Connection point for the free arm of the sling

Ring Bushing

Adjusting Buckles

Positioning Rings
Metal rings located in the side areas of the harness to support the user's weight when their activities are performed at heights with hands free.

Impact Indicator
Label indicating whether the equipment has been subjected to freefall. If the tag is activated, the equipment must be taken out of service.

Product Label

Frontal D Ring
Ring located in front zone of the harness to carry out controlled ascent and descent activities.

Connections Buckles

Certification

Sello de Calidad icontec internacional

Sello de Calidad icontec internacional

ANSI/ASSE Z359.11-2014

NTC 2037- 2010

IMPORTANT:

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

Fichas Técnicas Código: MV-FT-020 Versión: 3 Fecha de elaboración: 11/07/2019

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Technical Features

- *Resistant webbing to flame and hot weld splatter.*
- *Resistant webbing to grinding, tension 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 polyaramide thread.*
- *4 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 Z359.15-2014.*

Applications:

- *Fall Arrest (dorsal ring)*
- *Movement Restriction (dorsal ring)*
- *Positioning on structures and poles (lateral rings)*
- *Controlled ascent and descent activities (frontal ring)*
- *To be used at:*

Mining,
Industry,
Installations
Construction
Cabling
Outside
Cleaning
metal cutting
work as grinding
flame cutting.

Technical information

REFERENCE	Q	REGULATORY REQUIREMENTS			MATERIAL	COLOR	WEIGHT
		NORM	MIN.STRENGH	REAL VALUE			
Webbing		ANSI Z359.11-2014	22.2kN	40 kN	Polyaramide	Black	
		NTC 2037-2010	22.2kN				
Connection Buckle	3	ANSI Z359.12-2009	15 kN	18,5 kN	Steel	Yellow Zinc	80g
		NTC 2037-2010	17,8 kN				
Graduation buckle	1	ANSI Z359.12-2009	15 kN	19 kN	Steel	Yellow Zinc	96g
		NTC 2037-2010	17,8 kN				
Lateral D rings	1	ANSI Z359.12-2009	22.2kN	32 kN	Steel	Yellow Zinc	146g
		NTC 2037-2010	22.2kN				
Lateral D rings	2	ANSI Z359.12-2009	22.2kN	30 kN	Steel	Yellow Zinc	80g
		NTC 2037-2010	22.2kN				
Front D rings	1	ANSI Z359.12-2009	22.2kN	40 kN	Steel	Yellow Zinc	170g
		NTC 2037-2010	22.2kN				
Lanyard carrier	1	ANSI/Z359.11-2014	Menor a 500 N	215 N	Polyethylene	Negro	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)l	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 There's no breaking, fraying nor release of the torso. There's no slip of adjustable buckles.	YES
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 30ª and for fall with the pectoral rings, this angle most be less than 50ª. The harness stretch must be less than 457mm.	The force impact generated is greater than 16kN The angle of repose is: Dorsal: Between 8ª and 29ª Pectoral: The harness stretch is in the range of 50-250mm. The harness held the torso more than 5 minutes.	YES
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 30º.	The force impact generated is greater than 16Kn The angle of repose is between 8ª and 29ª The harness held the torso more than 5 minutes.	YES
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. There's no breaking, fraying nor release of the torso. There's no slip of adjustable buckles.	YES
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 30º.	The harness held the torso. more than 5 minutes. The torso was not released by the harness. The angle of repose is: Head fall: Between 9ª and 10ª Standing fall: Between 8ª and 19ª	YES

IMPORTANT:

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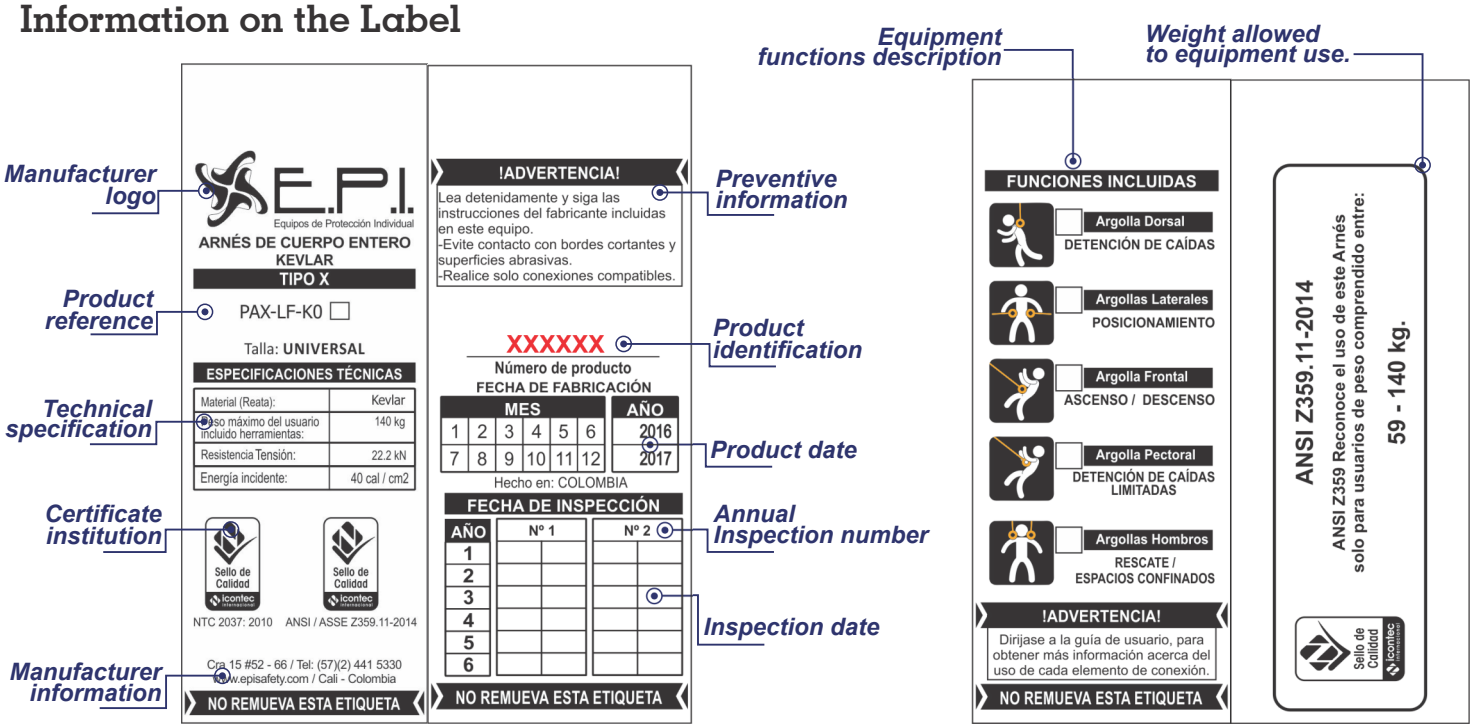
Information on the Label



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 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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