

Republic of the Philippines

DEPARTMENT OF LABOR AND EMPLOYMENT

Occupational Safety and Health Center

North Avenue corner Agham Road, Diliman, Quezon City

SAFETY CONTROL DIVISION PPE TESTING AND ASSESSMENT PROCEDURE



OSHC-QF-SCD-PPE-15

Revision No.: 02

Effective: February 20, 2019

TENSION TEST RESULTS OF

PERSONAL FALL PROTECTION EQUIPMENT COMPONENTS

Request Reference Code:

PPE-PFALL-2019-045

dilla.			
BRAND NAME	SAFEMAN	MODEL NO: FBH035	
TYPE	FULL BODY HARNESS		T.C.
DISTRIBUTOR	KING'S SAFETYNET, INC.	In the second second	SIFILIT
ADDRESS	849 O. L. LIONGSON BUILDING, TOMAS MAPUA ST., STA. CRUZ, MANILA		

MATERIALS AND DIMENSIONS:

Webbing Harness 1 - color: GRAY

Width: 45.5 mm Thickness

Thickness: 1.5 mm

2. Webbing Harness 2 - color: ORANGE

Width: 45.5 mm

Thickness: 1.5 mm

3. D-Ring (Flat) - Ave. Thickness: 7.7 mm

Length: 61.4 mm x 61.4 mm

4. Buckle (Flat) - Ave. Thickness: 3.0 mm

Length: 58.2 mm x 31.6 mm

Remarks:

Testing Standard:

Occupational Safety and Health Standards

Rule 1080: Personal Protective Equipment and Devices

Based on ANSI/ASSE Z359.1 - 2007

Safety Requirements for Personal Fall Arrest Systems, Subsystems, and Components

A. TENSION TEST FOR WEBBING AND ROPE

A. I Elitoioit				
Name of Component	Specimen Number	Tensile Load kN	REMARKS	CRITERIA
1	1	22.2	1	III.
Webbing Harness 1	2	22.2	PASSED	Load bearing strap material shall develop a breaking
Tiarriess !	3	22.2		strength of not less than 22.2 kN.
Webbing Harness 2 2 3	1	22.2	PASSED	Minimum width for load bearing harness straps ≥ 41 mm.
	2	22.2		
	3	22.2		
Webbing Lanyard 1	1 2 5 ¹¹ 3	Ju-	n/a	Lanyards shall have a minimun breaking strength of
Webbing Lanyard 2	1 2 3		n/a	22.2 kN
B1. TENSION	TEST FOR MET	AL COMPONENTS		
Snap Hook 1 (Scaffolding	1 2		nla	Snaphooks shall be capable of withstanding a 22.2 kN

Snap Hook 1 (Scaffolding Hook)	1 2 3	n/a
Snap Hook 2	1	
(Scaffolding	2	n/a
Hook)	3	RC. au

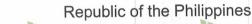
Snaphooks shall be capable of withstanding a 22.2 kN tensile load without breaking or distortion sufficient to release the gate.

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B2. TENSION TEST FOR METAL COMPONENTS				
Name of Component	Specimen Number	Tensile Load kN	REMARKS	CRITERIA
Carabiner	1 2		n/a	Carabiners shall be capable of withstanding a tensile load of 22.2 kN without breaking or distortion sufficient to release the gate.
D-Ring 1	1 2 3	22.2 22.2 22.2	PASSED	D-Rings, O-Rings and Oval Connectors shall be capable of withstanding a tensile load of 22.2 kN without breaking.
D-Ring 2	1 2	Mir.	n/a	D-Rings, O-Rings and Oval Connectors shall be capable of withstanding a tensile load of 22.2 kN without breaking.
Buckle	1 2	Sich	TEST NOT CONDUCTED	Buckles, Oval Connectors used as adjusters, and other adjusters shall be capable of withstanding a minimun tensile load of 17.8 kN without breaking.
Others:	1 2 3	10	n/a	Carabiners shall be capable of withstanding a tensile load of 22.2 kN without breaking or distortion sufficient to release the gate.

COMMENTS:

The specimens passed the requirements of ANSI/ASSE Z359.1 - 2007 for Tension test for Webbing harness and D-ring.

Test Conducted By:

MR. RONALD R. MATEO **Engineering Assistant**

Noted By:

ENGR. DENNIS C. AQUINO

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Engineer IV

21 OCTOBER 2019

ENGR. CONCEPCION T. STO. TOMAS Chief, Safety Control Division

NOEL C. BINAG, CE

Executive Director



BER.