



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.: 00
 Effective: September 20, 2017

TENSION TEST RESULTS OF
PERSONAL FALL PROTECTION EQUIPMENT COMPONENTS

Request Reference Code: PPE-PFALL-2019-008

BRAND NAME	SAFEMAN	MODEL:	EAL004
TYPE	DOUBLE WEBBING LANYARD		
MANUFACTURER	KING'S SAFETYNET, INC.		
ADDRESS	849 O. L. LIONGSON BLDG., TOMAS MAPUA ST., STA. CRUZ, MANILA		

<p>MATERIALS AND DIMENSIONS:</p> <ol style="list-style-type: none"> Webbing Lanyard 1 - Color/Stripes: ORANGE Thickness: 1.6 mm Width: 44.2 mm Webbing Lanyard 2 - Color/Stripes: ORANGE Thickness: 1.6 mm Width: 44.2 mm Hook 1 (Scaffolding) (Flat) - Ave. Thickness: 6.4 mm Length: 217.2 mm Hook 2 (Scaffolding) (Flat) - Ave. Thickness: 6.4 mm Length: 217.2 mm Carabiner (Round) - Diameter : 10 mm Dimension: 107.5 mm x 56.8 mm 	<p>Remarks:</p> <p>Testing Standard: Occupational Safety and Health Standards Rule 1080: Personal Protective Equipment and Devices</p> <p>Based on ANSI/ASSE Z359.1 - 2007</p> <p>Safety Requirements for Personal Fall Arrest Systems, Subsystems, and Components</p>
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A. TENSION TEST FOR WEBBING AND ROPE

Name of Component	Specimen Number	Tensile Load kN	REMARKS	CRITERIA
Webbing Harness 1	1			Load bearing strap material shall develop a breaking strength of not less than 22.2 kN.
	2		n/a	
	3			
Webbing Harness 2	1			Minimum width for load bearing harness straps ≥ 41 mm.
	2		n/a	
	3			
Webbing Lanyard 1	1	22.2	PASSED	Lanyards shall have a minimum breaking strength of 22.2 kN
	2	22.2		
	3	22.2		
Webbing Lanyard 2	1	22.2	PASSED	
	2	22.2		
	3	22.2		

B1. TENSION TEST FOR METAL COMPONENTS

Snap Hook 1 (Scaffolding Hook)	1	22.2	PASSED	Snaphooks shall be capable of withstanding a 22.2 kN tensile load without breaking or distortion sufficient to release the gate.
	2	22.2		
	3	22.2		
Snap Hook 2 (Scaffolding Hook)	1	22.2	PASSED	
	2	22.2		
	3	22.2		



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B2. TENSION TEST FOR METAL COMPONENTS				
Name of Component	Specimen Number	Tensile Load kN	REMARKS	CRITERIA
Carabiner	1	22.2	PASSED	Carabiners shall be capable of withstanding a tensile load of 22.2 kN without breaking or distortion sufficient to release the gate.
	2	22.2		
	3	22.2		
D-Ring 1	1		n/a	D-Rings, O-Rings and Oval Connectors shall be capable of withstanding a tensile load of 22.2 kN without breaking.
	2			
	3			
D-Ring 2	1		n/a	D-Rings, O-Rings and Oval Connectors shall be capable of withstanding a tensile load of 22.2 kN without breaking.
	2			
	3			
Buckle	1		n/a	Buckles, Oval Connectors used as adjusters, and other adjusters shall be capable of withstanding a minimum tensile load of 17.8 kN without breaking.
	2			
	3			
Others	1			
	2			
	3			

COMMENTS:

The specimens passed the requirements of ANSI/ASSE Z359.1 - 2007.

Test Conducted By:

RONALD M. MATEO
 Engineering Assistant

ENGR. DENNIS C. AQUINO
 Engineer IV

Noted By:

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

Date:

10 JANUARY 2019

ENGR. JOSE MARIA S. BATINO, CESO IV
 Deputy Executive Director