



SAFETY CONTROL DIVISION
PPE TESTING AND ASSESSMENT PROCEDURE
TENSION TEST RESULTS OF
PERSONAL FALL-ARREST EQUIPMENT AND COMPONENTS

OSHC-QF-SCD-PPE-15
Revision No.: 08
Effective: November 26, 2025

Request Reference Code: **PPE-PFALL-2025-116**

BRAND NAME	SAFEMAN	MODEL :	SM100 (FBH035)
TYPE	FULL BODY HARNESS		
MANUFACTURER / DISTRIBUTOR	KING'S SAFETYNET INC.		
ADDRESS	849 O.L. LIONGSON BLDG., TOMAS MAPUA ST., STA. CRUZ, MANILA		

Materials and Dimensions:

- 1. Webbing Harness 1 : Color: Gray Width: 43.78 mm Thickness: 1.52 mm
- 2. Webbing Harness 2 : Color: Orange Width: 43.70 mm Thickness: 1.58 mm
- 3. D-ring 1 (Round) : Length: 62.29 mm Ave.Thickness: 8.00 mm
- 4. Buckle 1 (Flat) : Length: 74.49 mm Ave.Thickness: 3.00 mm
- 5. Buckle 2 (Flat) : Length: 58.92 mm Ave.Thickness: 2.95 mm

Testing Standard:
Occupational Safety and Health Standards
Rule 1080: Personal Protective Equipment and Devices

Reference Standard:
ANSI/ASSE Z359.1 - 2007
Safety Requirements for Personal Fall Arrest Systems,
Subsystems, and Components

A. TENSION TEST FOR WEBBING AND ROPE

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

B. TENSION TEST FOR METAL COMPONENTS

Hook 1	1		N/A	Snaphooks shall be capable of withstanding a 22.2 kN tensile load without breaking or distortion sufficient to release the gate.
	2			
	3			
Hook 2	1		N/A	
	2			
	3			



SAFETY CONTROL DIVISION
PPE TESTING AND ASSESSMENT PROCEDURE
TENSION TEST RESULTS OF
PERSONAL FALL-ARREST EQUIPMENT AND COMPONENTS
Request Reference Code: **PPE-PFALL-2025-116**

OSHC-QF-SCD-PPE-15
Revision No.: 08
Effective: November 26, 2025

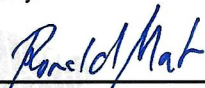
Name of Component	Specimen Number	Tensile Load kN	Remarks	Criteria
Carabiner	1		N/A	Carabiners shall be capable of withstanding a tensile load of 22.2 kN without breaking or distortion sufficient to release the gate.
	2			
	3			
D-Ring 1	1	22.2	PASSED	D-Rings, Delta-Shaped and Oval-Shaped Link Connectors shall be capable of withstanding a tensile load of 22.2 kN without breaking.
	2	22.2		
	3	22.2		
D-Ring 2	1		N/A	Buckles and other adjusters shall be capable of withstanding a minimum tensile load of 17.8 kN without breaking.
	2			
	3			
Buckle 1	1	17.8	PASSED	Buckles and other adjusters shall be capable of withstanding a minimum tensile load of 17.8 kN without breaking.
	2	17.8		
	3	17.8		
Buckle 2	1	17.8	PASSED	
	2	17.8		
	3	17.8		

REMARKS:

1. The specimens PASSED the requirements of ANSI/ASSE Z359.1-2007 for Static Performance Tension Tests.

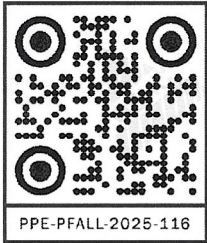
2. This Final Test Result shall have a validity of two (2) years.

Test Conducted By:


MR. RONALD R. MATEO
Engineering Assistant

Approved By:


ENGR. ABYGUEL M. MELGAREJO
Engineer III - Safety Control Division



DECEMBER 05, 2025


ENGR. JOSE MARIA S. BATINO
Executive Director