



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

BRAND NAME	SAFEMAN		MODEL NO : FBH035	
TYPE	FULL BODY HARNESS			
DISTRIBUTOR	KING'S SAFETYNET, INC.			
ADDRESS	849 O. L. LIONGSON BUILDING, TOMAS MAPUA ST., STA. CRUZ, MANILA			
MATERIALS AND DIMENSIONS:			Remarks:	
1. Webbing Harness 1 - color: GRAY Width: 45.5 mm 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			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				
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		
Webbing Lanyard 1	1		n/a	Lanyards shall have a minimum breaking strength of 22.2 kN
	2			
	3			
Webbing Lanyard 2	1		n/a	
	2			
	3			
B1. TENSION TEST FOR METAL COMPONENTS				
Snap Hook 1 (Scaffolding Hook)	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			
Snap Hook 2 (Scaffolding Hook)	1		n/a	
	2			
	3			



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B2. TENSION TEST FOR METAL COMPONENTS				
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, O-Rings and Oval 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	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		TEST NOT CONDUCTED	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		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			
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

ENGR. DENNIS C. AQUINO
 Engineer IV

Noted By:

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

Date:

21 OCTOBER 2019

NOEL C. BINAG, CE
 Executive Director