



Republic of the Philippines
DEPARTMENT OF LABOR AND EMPLOYMENT
OCCUPATIONAL SAFETY AND HEALTH CENTER

North Avenue corner Sen. Miriam P. Defensor-Santiago Avenue
Diliman, Quezon City



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.: 06

Effective: February 03, 2025

Request Reference Code:

PPE-PFALL-2025-043

BRAND NAME	DELTA PLUS	MODEL :	AN213200BDD
TYPE	DOUBLE WEBBING LANYARD		
MANUFACTURER / DISTRIBUTOR	DELTAPLUS PHILIPPINES, INC.		
ADDRESS	0671 QUIRINO AVENUE, BRGY. SAN DIONISIO, PARAÑAQUE CITY		

Materials and Dimensions:

- Webbing Lanyard 1 : Color: Orange Width: 25.8 mm Thickness: 2.4 mm
- Webbing Lanyard 2 : Color: Orange Width: 25.8 mm Thickness: 2.4 mm
- Scaffolding Hook 1 : Length: 221.0 mm Ave.Thickness: 5.8 mm
- Scaffolding Hook 2 : Length: 221.0 mm Ave.Thickness: 5.8 mm
- Carabiner (Delta) : Length: 114.6 mm Ave.Thickness: 10.7 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		N/A	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			
	3			
Webbing Harness 2	1		N/A	
	2			
	3			
Lanyard 1	1	22.2	PASSED	Lanyards shall have a minimum breaking strength of 22.2 kN.
	2	22.2		
	3	22.2		
Lanyard 2	1	22.2	PASSED	
	2	22.2		
	3	22.2		

B. TENSION TEST FOR METAL COMPONENTS

Hook 1	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		
Hook 2	1	22.2	PASSED	
	2	22.2		
	3	22.2		



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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, Delta-Shaped and Oval-Shaped Link Connectors shall be capable of withstanding a tensile load of 22.2 kN without breaking.
	2			
	3			
D-Ring 2	1		N/A	
	2			
	3			
Buckle 1	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 2	1		N/A	
	2			
	3			

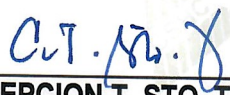
REMARKS:

1. The specimens PASSED the requirements of ANSI/ASSE Z359.1-2007.
2. This Final Test Result shall have a validity of two (2) years.

Test Conducted By:

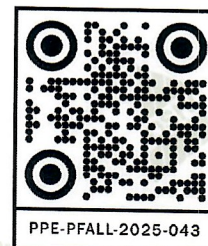

MR. RONALD R. MATEO
Engineering Assistant

Approved By:


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


ENGR. JOSE MARIA S. BATINO
Executive Director

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MAY 28, 2025