

## DOLOMITICERT

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### TEST REPORT

**Client:** P.N. INTERNATIONAL

**Address:** C-12, Amausi Industrial Area - NADARGANJ - 226008 U.P  
NADARGANJ LUCKNOW (UP) LUCKNOW INDIA - IN

**Article:** Anchorage Connector Component

**Model:** SA 17

**Sampling:** Performed by the Client

**Job n.:** D170238

**Report n.:** 170325

**Receiving date:** 22/02/2017

**Date of test begin:** 19/05/2017

**Date of test end:** 31/05/2017

**Issuing date:** 31/05/2017

**Standard applied:** ANSI/ASSE Z359.1:2007 – “Safety Requirements for Personal Fall Systems, Subsystems and Components”

**Laboratory Technical Coordinator:**

**Luca Tamburlin**

**Note 1:** This Test Report is valid exclusively for the samples utilized for tests and any modification shall be solely performed with the issuing of a new test report.

**Note 2:** The partial divulgation of this test report is permitted against written authorization by Dolomitcert.

**Note 3:** The declared uncertainty of the measure is expressed double the spread (which corresponds, in the case of a normal distribution, to a confidence level of about the 95%).

Date: 31/05/2017



LAB N° 1539

## Sample identification

Samples are identified as follow:

Model / External code	Type	Batch N° / Serial N°	Internal code
SA 17	Anchorage Connector Component, adjustable in height	Year: 2017	170325_1
SA 17 MEGAPOD.PDF		[1]	170325_2 [2]

[1] No batch or serial number or other means of traceability present on the sample.

[2] This sample represents the instructions and installation manual regarding anchorage connector component model "SA 17", containing information supplied by the manufacturer.

## Strength Requirements

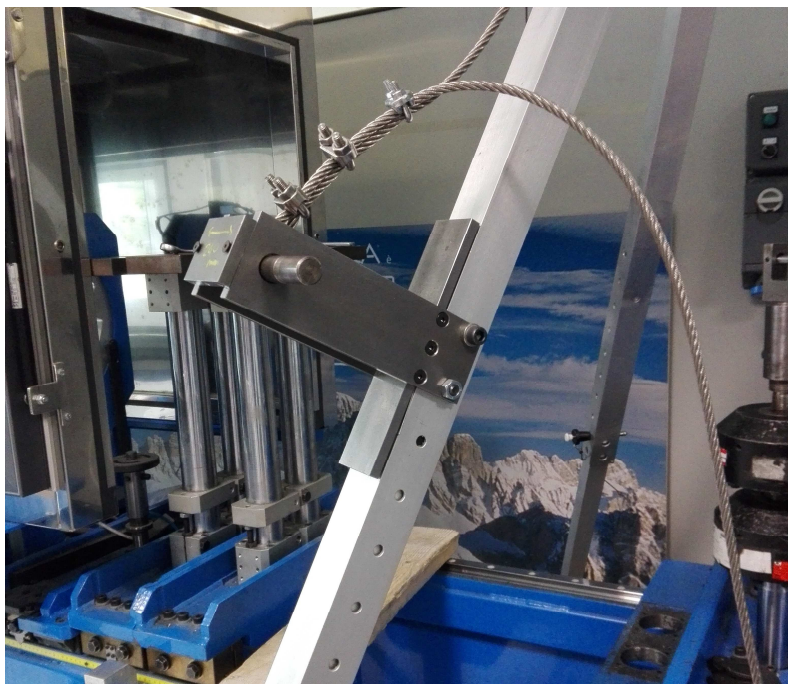
ANSI/ASSE Z359.1:2007, Clause 3.2.5.1

### Specifications

When tested in accordance with clause 4.3.6, anchorage connectors shall withstand a tensile load of 22.2 kN - multiplied by the maximum number of users or PFAS (Personal Fall Arrest System) might be attached to the device - statically applied for a period of 1 minute. Connector elements integral to or a part of the device shall withstand a tensile load of 16 kN for a period of 1 minute and they shall not cracking, breaking or permanent deformation visible to the naked eye. The loading rate shall not be greater than 51 mm/min of the specified load.

#### a) Configuration

<b>Simulate structure</b>	Suitable floor able to sustain the test load, equipped with three steel plates on which the device supports, one for each of the three legs
<b>Method of fixation to the simulate structure</b>	<p>Device supported on the three steel plates and installed as indicated in the instructions supplied by the manufacturer. Load applied by a test cable that simulates the wire cable of the winch; test cable connected to the supporting leg of the device by means of an equipment, "H" shaped (see figure number 1), that simulates the support base of the winch and reproduces the same the point of application of the load when used with the winch, composed by:</p> <ul style="list-style-type: none"> <li>- a rectangular support plate, dimensions 240 x 53 mm, that is baking on the supporting leg of the device during test;</li> <li>- two vertical plates equipped with two holes for the connection to the device (at winch connections foreseen by the manufacturer) by means of two pins and equipped with an anchor point hole to connect the test cable, distant 150 mm from the support plate;</li> <li>- support plate and the two vertical plates connected one with the other by means of bolts</li> </ul>



**Figure 1: Image of the test equipment**

**Outcomes**

After performed the test on the devices, it has been achieved the following results:

*a) Deformation test of the integral connector element*

Sample	Nominal load applied (kN)	Test	Notes
170325_1	16.0	N/A	[3]

[3] This test performed only to follow test method proposed by the standard; no evaluations carried out because no connector elements are present in the device.

NOTE: "N/A" corresponds to "Not Applicable".

*b) Strength test for the complete device*

Sample	Nominal load applied (kN)	Test	Notes
170325_1	22.2	PASS	[4]

[4] Test performed after completing deformation test.

## Stability and compatibility

ANSI/ASSE Z359.1:2007, Clause 3.2.5.3

### Specifications

In anchorage connector design shall be considered the stability and compatibility between anchorage connector and anchorages.

### Outcomes

After performed the evaluations on the device, it has been achieved the following results:

Sample	Test	Notes
170325_1	PASS	Device is properly designed to be installed on even surfaces properly balanced and parallel to horizontal plane as indicated in the instructions for use supplied by the manufacturer

## Exposure to hazards

ANSI/ASSE Z359.1:2007, Clause 3.2.5.4

### Specifications

In anchorage connector design shall be considered the exposure to hazards as thermal, electrical and chemical. In addition, the device shall be sustain the exposure to sharp edges and abrasive surfaces.

### Outcomes

After performed the evaluations on the device and on the documentation provided, it has been achieved the following results:

Sample	Test	Notes
170325_2	PASS	In the leaflet containing information for use supplied by the manufacturer are considered the limitations for the device when exposed to the hazards indicated above and the usage limits.

## General Marking Requirements

ANSI/ASSE Z359.1:2007, Clause 5.1

### Specifications

Warning shall be in English. The legibility and attachment of required markings shall be designed to endure for the life of the component, subsystem or system being marked. When pressure sensitive labels are used, they shall be in accordance with UL 969-2001 "Marking and Labeling Systems". Equipment shall be marked at least with the minimum information listed in clause 5.1.3 of the Standard.

**Outcomes**

After performing the evaluations required, it has been achieved the following results:

Sample	Test	Notes
170325_1	PASS	---

**Specific Marking Requirements – Anchorage Connectors**

*ANSI/ASSE Z359.1:2007, Clause 5.2.5*

**Specifications**

In addition at clause 5.1, the anchorage connectors shall be marked at least with the minimum information listed in clause 5.2.5 of the Standard.

**Outcomes**

After performing the evaluations required, it has been achieved the following results:

Sample	Test	Notes
170325_1	PASS	---

**General Instructions requirements**

*ANSI/ASSE Z359.1:2007, Clause 5.3*

**Specifications**

Instructions shall be in English and affixed to the equipment or included in the packaging; shall contain at least the minimum information listed from clause 5.3.2 to 5.3.6 of the Standard.

**Outcomes**

After performing the evaluations required, it has been achieved the following results:

Sample	Test	Notes
170325_2	PASS	---

**Specific Instructions requirements**

*ANSI/ASSE Z359.1:2007, Clause 5.4.5*

**Specifications**

In addition at clause 5.3, the anchorage connectors shall be marked at least with the minimum information listed in clause 5.4.5 of the Standard.

**Outcomes**

After performing the evaluations required, it has been achieved the following results:

<b>Sample</b>	<b>Test</b>	<b>Notes</b>
170325_2	PASS	---

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**End of the test report**