CONCEZIONE ARTICOLI MONTAGNA PREMANA

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To: **CARAVAN CO., LTD.**
1-25-7, Sugamo, Toshima-ku,
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CAMP Safety GT チェストとツリーアクセス EVO ref.216601+2163T（国内品番 5216601 および 5216301）を組み合わせて使用するフルボディハーネスが 2019 年 2 月 1 日から適用される墜落制止用器具に関する日本の規制に適合することの宣言書

CAMP 社により

GT チェストとツリーアクセス EVO ref.216601+2163T（国内品番 5216601 および 5216301）を組み合わせて使用するフルボディハーネスが、日本の厚生労働省が発表し、2019 年 2 月 1 日から適用される、墜落制止用器具に関する新しい日本の規制に準拠していることを宣言します。

適合性の評価に適用される、JIS T8165：2018 と同等またはそれ以上の方法：
EN 361:2002; EN 358:2018; EN 813:2008.

証明書番号：16-0075Rev.1; 16-0087Rev.1.
次の通知機関によって発行されています。
DOLOMITICERT s.c.a.r.l. -Zona Industriale Villanova、7 / A-32013、Longarone（BL）
Italy – N.2008
日本の規制要件への適合性の詳細な評価については、2 ページ以降の別紙を参照ください。

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ANNEX 1
to
"Conformity declaration of CAMP Safety GT Chest+Tree Access Evo ref.216601+2163T full body harness to Japanese regulation for fall arrest equipment applicable starting from February 1st, 2019"

Product: CAMP Safety GT Chest+Tree Access Evo ref.216601+2163T full body harness.

Third party testing/certification carried out: CE0123, EN 361:2002, EN 813:2008, EN 358:2018.

Relevant article of Japanese regulation	Requirement of Japanese Ministry Regulation (English translation)	Equivalent or superior requirement prescribed by EN and/or ANSI standard used for GT Chest+Tree Access Evo ref.216601+2163T certification or internal additional testing	CAMP Safety GT Chest+Tree Access Evo ref.216601+2163T features that meet specific requirement	Assessment
1.1	Full body harness: a device with a structure that supports the load applied to the body of a person who wears a fall prevention device (hereinafter referred to as a "wearer") at the shoulder,waist, thigh, etc. when stopping fall.	EN 361:2002 - 3.1	GT Chest+Tree Access Evo ref.216601+2163T full body harness is certified according EN 361:2002 as full body harness. Note: sit part and chest part are supplied separately and the conformity as full body harness is granted only when they are used assembled together. Full body harness is a body support primarily for fall arrest purposes, i.e. a component of a fall arrest system. The full body harness comprises straps, fittings, buckles or other elements, suitably arranged and assembled to support the whole body of a person and to restrain the wearer during a fall and after the arrest of a fall.	POSITIVE
1.2	Torso (body) belt: a belt-like device worn on the waist of the body.	EN 358:2018 - 3.1	GT Chest+Tree Access Evo ref.216601+2163T full body harness is certified according EN 358:2018 as a work positioning belt. It is also certified according EN 813:2008 (sit harness). Waist belt is a body support that encircles the body at the waist.	POSITIVE
3.1.1	The structure which appropriately supports the load applied to the wearer's body by the full body harness in the shoulders, waist, thighs, etc. when stopping the fall.	EN 361:2002 - 4.2	GT Chest+Tree Access Evo ref.216601+2163T full body harness supports the load in the shoulders, waist, thighs when stopping the fall.	POSITIVE
3.1.2	The full body harness should be able to fit the wearer properly.	EN 361:2002 - 4.2	GT Chest+Tree Access Evo ref.216601+2163T full body harness is equipped of adjustment buckles at the shoulders, at the waist and at the thighs in order to fit the wearer properly. It is supplied in two different sizes.	POSITIVE
3.1.3	The full body harness should be able to be properly connected to lanyards (including energy absorbers).	EN 361:2002 - 4.2	GT Chest+Tree Access Evo ref.216601+2163T full body harness is equipped of two fall arrest attachment elements (one sternal and one dorsal) to connect energy absorbing lanyards.	POSITIVE
3.1.4	Buckles should be able to be properly coupled and the connection not be easily removed.	EN 361:2002 - 4.2 EN 358:2018 - 4.1.2.1, 4.1.2.2, 5.2.2, 5.2.3	All buckles installed in the GT Chest+Tree Access Evo ref.216601+2163T (both traditional buckles and STS automatic buckles) are designed to be released only by at least two deliberate manual actions and they cannot unintentionally open.	POSITIVE
3.2.1	The structure shall properly support the load applied to the wearer's body by the torso belt at the torso portion when stopping the fall.	EN 358:2018 - 4.1.1	Waist belt of GT Chest+Tree Access Evo ref.216601+2163T is designed to support the wearer at the torso portion. Note: for European use, connection to waist belt for fall arrest purposes is not allowed.	POSITIVE

3.2.2	The torso belt can be properly adapted to the wearer.	EN 358:2018 - 4.1.1.1	GT Chest+Tree Access Evo ref.216601+2163T full body harness is equipped of adjustment buckles the waist in order to fit the wearer properly. It is supplied in two different sizes.	POSITIVE
3.2.3	The torso belt should be able to be properly connected to lanyards.	EN 358:2018 - 4.1.1.2	GT Chest+Tree Access Evo ref.216601+2163T is provided of 4 attachment points at the waist: one ventral for suspension, one bridge style for suspension in tree climbing activities and two side for work positioning.	POSITIVE
4.1	Full body harness Full body harness must not be broken when a tensile load of 15.5kN is applied to the head direction(side) of the torso or when a tensile load of 10.0kN is applied to the torso's foot (side) in the part direction according to the method of the tensile test specified in Japanese Industrial Standard T8165(the fall arrest device) or a method equivalent thereto.	EN 361:2002 - 4.3 EN 364:1992 - 5.1.4.2, 5.1.4.3	Sternal and dorsal attachment points for fall arrest of GT Chest+Tree Access Evo ref.216601+2163T full body harness are certified according EN 361:2002 for 15 kN for 3 min. head up and 10 kN for 3 min. head down. Additional internal testing at C.A.M.P. s.p.a. R&D highlighted a breaking strength head up of more than 15.5 kN.	POSITIVE
4.4	Connector Fracture, deformation to a degree enough to lose its function, or still functionable as connector when tensile load test of 11.5kN specified in Japanese Industrial Standard T8165 (Fall Arrest) or equivalent test was applied.	C.A.M.P. s.p.a internal testing	HMS Belay Lock connector ref.1176 is installed between chest and sit part. C.A.M.P. has carried out an internal testing: connector has been loaded with 11.5 kN for one minute. After unloading, no fracture nor permanent deformation was detected and it was perfectly functioning.	POSITIVE
5	The material of the parts of the fall arrest device listed in the upper column of the table of the preceding article has the strength shown below in the table when the part is subjected to the mechanical, thermal and chemical actions assumed under normal use conditions.	EN 361:2002 - 4.2 EN 358:2018 - 4.2.2	Materials used for the manufacturing of GT Chest+Tree Access Evo ref.216601+2163T full body harness meet basic requirements prescribed by international standards for this kind of activities. Limitation of conditions for "normal use" are described in the user's manual.	POSITIVE
6.1	Full body harness (1) Width of the main part that supports the load applied to the wearer's body when stopping a fall is 40 mm or more. (2) The width of parts other than the parts of the preceding item must be at least 20 mm. (3) Sewing and shape are appropriate for safety.	EN 361:2002 - 4.2 EN 358:2018 - 4.2.2, 4.2.3	For the construction of GT Chest+Tree Access Evo ref.216601+2163T full body harness, primary webbings used are all 44 mm wide. Secondary webbings used are all wider than 20 mm. They are all made of polyester. Stitchings are made from virgin polyamide fiber (>0.6 N/tex) and with color contrasting with the webbing for appropriate safety.	POSITIVE
6.2	Torso belt (1) Width must be 50 mm or more (40 mm when combined with the auxiliary belt). (2) The sewing and shape should be appropriate for safety.	EN 358:2018 - 4.1.1.4, 4.2.3	Torso belt of GT Chest+Tree Access Evo ref.216601+2163T includes an auxiliary belt. Primary webbings used are all 44 mm wide. They are all made of polyester. Stitchings are made from virgin polyamide fiber (>0.6 N/tex) and with color contrasting with the webbing for appropriate safety.	POSITIVE
6.3	Auxiliary belt (1) Width must be 75 mm or more. (2) Thickness must be 2 mm or more. (3) Sewing and shape are appropriate for safety.	EN 358:2018 - 4.1.1.4, 4.2.3	Auxiliary belt of GT Chest+Tree Access Evo ref.216601+2163T has a variable width: minimum 80 mm at the sides, maximum 180 mm at the center. It is made by thermoformed padding with variable thickness: minimum 2 mm, maximum 15 mm. Stitchings are made from virgin polyamide fiber (>0.6 N/tex) and with color contrasting with the webbing for appropriate safety.	POSITIVE

6.4	Buckles The belt can be reliably held when a test is conducted according to the method of vibration test defined in Japanese Industrial Standard T8165 (the fall arrest device) or a method equivalent thereto.	EN 358:2018 - 4.1.2.4, 5.6.2	All buckles included in the GT Chest+Tree Access Evo ref.216601+2163T full body harness have been tested for repeated loading in order to check for slippage of the webbing. All buckles have been found conform.	POSITIVE
6.6	Connector (1) To have an appropriate release device. (2) The shape is appropriate for safety.	EN 362:2004 - 4.1.3, 4.1.5, 4.1.6 EN 362:2004 - 4.1.1, 4.1.2	HMS Belay Lock connector ref.1176 is installed between chest and sit part in order to allow for easy donning of the harness and it is certified according EN 362:2004. It is equipped with a closure lever that allows for release of the connector from the ventral point of the harness. It is equipeed with a screwgate locking system and an anti-rotation function. It's certified as B and T shaped and all features are verified to avoid safety problems to the user.	POSITIVE
7	The components of the fall arrest device must be properly connectable and also not loosen easily. The connection parts must be not to cause any malfunction by connecting the fall arrest device.	EN 358:2018 - 4.1.2.3, 5.2.4, 5.2.5	All buckles included in the GT Chest+Tree Access Evo ref.216601+2163T full body harness have been tested for repeated loading in order to check for slippage of the webbing. Automatic STS buckles have been also tested against accidental opening. Connection parts are desinged in order to avoid any malfunctioning when connecting compatible components.	POSITIVE
8.1	The full harness must hold the torso when it is tested by the torso based on the drop test defined in Japanese Industrial Standard T8165 (the fall arrest device) or equivalent tests.	EN 361:2002 - 4.4, 5.2 EN 364:1992 - 5.1.2	Sternal and dorsal attachment points of the GT Chest+Tree Access Evo ref.216601+2163T full body harness have been dynamically tested according EN 361 for a 4 m fall with 100 kg dummy, head up first then head down. The dummy was successfully retained.	POSITIVE
8.2	The angle between the centerline of the torso and the lanyard should be no more than 45 degrees above the neck of the torso when performing the test of the preceding paragraph. However, in the case where a connector for connecting a full harness and a lanyard rope or the like is provided on the front of the body, etc., the angle may not exceed 50 degrees.	EN 361:2002 - 4.4, 5.2 EN 364:1992 - 5.1.2	After dynamic tests, angles of less than 45° have been detected for the dorsal point and less than 50° for the sternal point. Note: detected angle may vary depending on the type of adjustment of the harness on the dummy.	POSITIVE
9	The fall arrester shall be such that the type of fall arrester, the name of the manufacturer and the date of manufacture are displayed in an easy-to-see place.	EN 361:2002 - 6 EN 365:2004 - 4.8.1	Label including name and address of manufacturer, brand, model and month+year of manufacturing is placed at one side of the auxiliary belt, it's easily accessible and properly protected by abrasion.	POSITIVE
FINAL ASSESSMENT for CAMP Safety GT Chest+Tree Access Evo ref.216601+2163T full body harness.				**POSITIVE**