

Premana, January 9th, 2020

To: **CARAVAN CO., LTD.**
1-25-7, Sugamo, Toshima-ku,
Tokyo – JAPAN
attn. Mr.Kaiho Naoji

**CAMP Safety ショックアブソーバー ref.2029 (国内品番 5202900) が
2019年2月1日から適用される墜落制止用器具 (ショックアブソーバ第二種)
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



**CAMP Safety ショックアブソーバー ref.2029 (国内品番 5202900)
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 (ショックアブソーバ第二種) に関する日本の規制に適合することを宣言
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 355:2002

証明書番号 : 0082/479/160/06/09/0231

次の通知機関によって発行されています。

APAVE SUDEUROPE SAS - CS60193 - 13322 Marseille CEDEX 16 - France - N.0082

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。



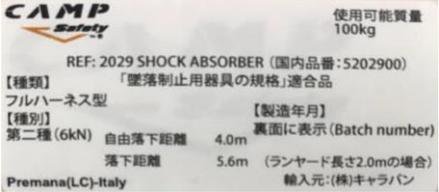
アントニオ・コデガ
品質管理マネージャー
C.A.M.P. s.p.a.

ANNEX 1 to
"Conformity declaration of CAMP Safety Shock Absorber ref.2029
to Japanese regulation for fall arrest equipment applicable starting from February 1st, 2019"

Product: CAMP Safety Shock Absorber ref.2029.

Third party testing/certification carried out: CE, EN 355:2002.

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 ref.2029 certification or internal additional testing	CAMP Safety ref.2029 features that meet specific requirement	Assessment												
1.5	Shock absorber: A device to reduce the impact that occurs when stopping a fall.	EN 355:2002 - 3.1	"Shock Absorber ref.2029" is certified according EN 355:2002 and designed to reduce impact force when stopping a fall.	POSITIVE												
4.5	Shock absorber Fracture and other damages but still functionable after a tensile load of 15.5kN based on the tensile load test specified in Japanese Industrial Standard T8165 (the fall arrest device) or a equivalent test.	EN 355:2002 - 4.5, 5.3	"Shock Absorber ref.2029" is tested according EN 355 for 15 kN for 3 minutes. 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												
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 355:2002 - 4.2	Materials used for the manufacturing of "Shock Absorber ref.2029" 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												
6.5	(1) The lanyard used for the torso belt type fall arrest device shall be no more than 1,700 mm in length. (2) The lanyards used for full harness type fall arrest equipment have the standard free fall distance when using the lanyard, the standard specified in the table of Article 8 paragraph 3 pertaining to the shock absorber used for the lanyard shall not exceed the largest free fall distance that satisfies. (3) Sewing and shape are appropriate for safety.	EN 355:2002 - 4.2	"Shock Absorber ref.2029" is a Type 2 energy absorber to be used with full body harness. Use with torso belts is not allowed. See art.8 assessment for details. Stitchings are made from virgin polyamide or polyester fiber (>0.6 N/tex) and with color contrasting with the webbing for appropriate safety.	POSITIVE												
8.3	The shock absorber with weights must have enough impact-load and elongation of the shock absorber as defined in the following table showing free fall distance based on each classification in comply with the method of drop test defined in Japan Industrial Standard T8165 (the fall arrest device) or equivalent test. <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Type</th> <th style="text-align: left;">Free fall distance</th> <th style="text-align: left;">Impact load</th> <th style="text-align: left;">Elongation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.8 m</td> <td>Less than 4 kN</td> <td>Less than 1.2 m</td> </tr> <tr> <td>2</td> <td>4.0 m</td> <td>Less than 6 kN</td> <td>Less than 1.75 m</td> </tr> </tbody> </table>	Type	Free fall distance	Impact load	Elongation	1	1.8 m	Less than 4 kN	Less than 1.2 m	2	4.0 m	Less than 6 kN	Less than 1.75 m	EN 355:2002 - 4.4, 5.2 EN 364:1992 - 5.3.4	"Shock Absorber ref.2029" is classified as Type 2, which requirements are same to EN 355:2002 ones: 4 m fall distance, impact load less than 6 kN and elongation less than 1.75 m. Elongation for fall factor 2 fall (4 m fall distance) is 1.60 cm. Maximum applicable total weight is 100 kg.	POSITIVE
Type	Free fall distance	Impact load	Elongation													
1	1.8 m	Less than 4 kN	Less than 1.2 m													
2	4.0 m	Less than 6 kN	Less than 1.75 m													

9	<p>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.</p> <p>For shock absorbers, the type of the shock absorber, the largest free fall distance satisfying the criteria defined in the table of the preceding paragraph when using the shock absorber, and the weight of the usable wearer.</p> <p>The maximum value of the total mass of the equipment and the falling distance when used under standard operating conditions shall be displayed.</p> <p>Shock Absorbers must show type of shock absorber, the largest free fall distance satisfying the criteria defined in the table of the preceding paragraph at the time of using the subject shock absorber, maximum weight of its wearer and also all equipment, and also the falling distance at the time of being used under standard operation condition.</p>	<p>EN 361:2002 - 6</p> <p>EN 365:2004 - 4.8.1</p>	<p>Label including name and address of manufacturer, brand, model and month+year of manufacturing is placed at the shock absorber.</p> <p>Additional information required by Japanese Ministry Regulation are applied through an adhesive abrasion resistant label on the back side of the energy absorber, as shown below:</p> 	<p>POSITIVE*</p> <p>(*after application of additional adhesive label by Caravan before sale in Japan).</p>
FINAL ASSESSMENT for CAMP "Shock Absorber ref.2029".			POSITIVE	