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Consumer Products Division

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Test Certificate Number: PP61582/4/PJT/99

Prepared for:

Petzl
Cidex 105A
Zone Industrielle
38920 CROLLES - FRANCE

Product:

Grillon L52 Mobile Horizontal Lifeline

It is hereby certified that the above mentioned item of protective equipment has been assessed and found to satisfy the requirements of the harmonized standard EN 795 : 1997 for Class C devices.

The manufacturer's Technical File, Instructions for Use (L52620 180559R) and Product Marking in English have been inspected and found to have addressed all of the relevant requirements of the harmonized standards EN 795 : 1997, EN 365 : 1993 and Council Directive 89/686/EEC respectively.

The above item, when used as part of a mobile horizontal lifeline system, is not currently considered to be an item of Personal Protective Equipment and is therefore not subject to the requirements of Council Directive 89/686/EEC.

Signed:

Philip Tate
Senior Consultant PPE Date: 26 February 1999

Notes:

1. These test results relate only to the items tested.

2. This report shall not be reproduced except in full without the written approval of the test laboratory.

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EN 795 : 1997; Class C requirement	Clause	Tested	Result	Comments
General	**4.2**	---	---	---
Can correctly connected PPE become unintentionally detached from the line?	4.2 & 4.3.3.1	Yes	Pass	PPE cannot become unintentionally detached from the line as end stops are fitted. The Grillon requires two separate actions to remove it from the anchorage line.
Can component parts be assembled without being positively locked together?	4.2	Yes	Pass	Component parts cannot be assembled without being positively locked together.
Corners and edges shall be radiused to at least 0.5 mm or chamfered to 45°	4.2	Yes	Pass	All corners and edges are either radiused to at least 0.5 mm or chamfered to 45°
All metal parts shall comply with the corrosion protection requirements of 4.4 EN 362 : 1992	4.2	Yes	Pass	All metal parts are either anodised aluminium or stainless steel. The anchorage line is not designed for permanent installation
Min. strength of rope shall be at least twice the tension in the rope at fall arrest	4.3.3.1	Yes	Pass	Tensile strength of rope = 2 x tension in rope at fall arrest (8 kN). Proven by test for one person (100 kg mass)
Static Strength	**4.3.3.2**	---	---	---
Grillon and rope shall withstand 1.5 x 7.2 kN (max. permitted design force) for 3 minutes	4.3.3.2	Yes	Pass	When loaded on the rope, the Grillon withstood a force of 10.8 kN for 3 min. without damage
Dynamic Performance	**5.3.4.1**	---	---	---
Measure the horizontal peak force in, and deflection of, the anchor line under the action of a vertical peak force of at least 6.0 kN	5.3.4.1	Yes	Pass	Length of line tested = 5.8 m Horizontal preload in line = 59 N (26 kg) Vertical peak force applied = 6.0 kN (100 kg mass falling through 1.1 m) Max. displacement = 1.23 m
Dynamic Strength	**5.3.4.2**	---	---	---
Apply vertical fall energy of 12.0 kN. 100 kg test mass shall be retained	5.3.4.2	Yes	Pass	Length of line tested = 5.8 m Vertical peak force applied = 16.0 kN (100 kg mass falling through 2.0 m). Test mass retained
Technical File, Instructions for Use and Product Marking	6	Yes	Pass	Fulfil the requirements of EN 795 : 1997, EN 365 : 1993 and Council Directive 89/686/EEC respectively

Comments:

The Grillon L52 Flexible Horizontal Anchor Line is supplied without end anchorages (ie. without any expansion bolts or other threaded attachment points) and without any harness or energy absorber.

The samples were tested at Petzl in Crolles on 18/19 February 1999. The tests were carried out without the use of an energy absorber attached to the test weight. The use of a suitable energy absorber is specified in the user instructions for the product.

APAVE lyonnaise

Association Lyonnaise de Propriétaires d'Appareils à Vapeur et Electriques (A.L.P.A.V.E.)
Association sans but lucratif - Siret 775 644 552 00017 - APE 743 B

177, route de Sain-Bel - B.P. 3 - 69811 TASSIN CEDEX - Tél. 04 72 32 52 52 - Fax 04 72 32 52 00

Organisme habilité par arrêté des ministères chargés du travail et de l'agriculture, en date du 24 décembre 1996, identifié sous le numéro 0082 (publié au JOCE du 23 juillet 1994)
Authorized by the decree of the French Ministry of labour, employment, and professionnal training, of 24th of december 1996 and identified under number 0082 (published the 23th of july1994 in the official journal of the E.C.)

En exécution de la directive 89/686/CEE du 21 décembre 1989 modifiée concernant le rapprochement des législations des états membres relatives aux équipements de protection individuelle et des dispositions pertinentes du code du travail, portant transposition de cette directive en droit français, **l'APAVE Lyonnaise** attribue l'
In enforcement of amended directive 89/686/EEC of 21th of december 1989 on the approximation of the laws of the Members States relating to personal protective equipment and in enforcement of relevant requirements of the french labour code, providing for the transcription of this directive into French regulations, APAVE Lyonnaise awards the

EXTENSION DE L'ATTESTATION D'EXAMEN CE DE TYPE
(EC Type - Examination certificate extension)
N° 0082/047/160/08/96/0181 EXT N°02/06/99

Directive 89/686/CEE modifiée

A l'équipement suivant :
To the following equipment

Type d'équipement : **Longe de maintien au travail**
Type of equipment : Work positioning Lanyard

- Marque commerciale : **PETZL GRILLON**
  Trademark
- Equivalences : la présente extension est attribuée aux références suivantes :
  Equivalences : this certificate is awarded to the following references :
  - Référence : **L52 *xx* (avec *xx* longueur en mètre)**
    Reference
- Demandeur : Monsieur François VULLIET
  Applicant
- Fabricant : PETZL - Cidex 105A - 38920 CROLLES - France
  Manufacturer
- Description : Longe de maintien au travail réglable par réducteur amovible, en cordage polyamide 6, longueur de 2 à 20 m, diamètre 11.5 mm avec en extrémités deux boucles cousues sous manchons de protection (description détaillée dans le rapport d'examen CE de type 96.6.0204 et dans le dossier d'extension 99.6.0256).
  Description — *Work positioning lanyard adjustable by removable adjuster, in polyamide 6 rope, length from 2 to 20 m, diameter 11.5 mm, with sewed buckles on both ends (detailed description in report 96.6.0204 and in extension file 99.6.0256).*
- Référentiel technique utilisé : NF EN 358 d'Avril 1993.
  Technical referential in use

Le modèle objet de cette extension diffère du modèle de base sur les points suivants :
The type covered by this extension is different from the basic model as regards the following points :
- Modification de la référence (modèle de référence : L52)
- Longueur (modèle de base : 1.95 m)

Ces modifications ne remettent pas en cause la conformité aux exigences essentielles qui ont été prises en compte pour l'attestation d'examen CE de type délivrée au modèle de base
These changes do not question the conformity with the essential requirements taken into account to award the EC type examination certificate.

Date : le 21 juin 1999

Document authentifié par tampon sec
Document certified by dry stamp

Le Responsable de Groupe du Laboratoire d'Essais Mécaniques
Group Manager of the Mechanical Testing Center

Vincent MAILLOCHEAU

NOTA : Toute modification apportée au matériel neuf objet de la présente extension de l'attestation d'examen CE de type doit être portée à la connaissance de l'organisme habilité en application de l'article R233-62 du code du travail, ainsi que toute modification des informations contenues dans le dossier technique sur la base duquel l'extension d'attestation d'examen CE de type à été délivrée.
Any modification brought about a new equipment covered by this EC type - examination extension must be notified to the body in enforcement of article R233-62 of French labour code, as well as any modification of the technical file on the basis of which the extension of the EC type certificate was awarded.

Cette extension comporte une page. Elle est établie en deux exemplaires originaux transmis au demandeur. Aucun duplicata ne sera délivré.
This certificate includes one page. This certificate is edited in two original copies. No duplicate will be issued.