

01/08/2023

# INFORMATIVE REPORT

For the use of OMG Equestrian Protective Wear

READ PRIOR TO USE



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**OMG Apparel Pty Ltd does not represent or warrant the suitability of the Products for any particular purpose; or the extent to which its products protect people from injury or death. This report is for information and guidance only. Any reliance on this information is at your sole risk.**

**Activities you may engage in using OMG Equestrian Protective Wear, such as horse-riding have inherent risks. You must not engage in riskier behaviour under the assumption that the OMG Equestrian Protective Wear will provide additional protection. Your use of the OMG Equestrian Protective Wear should complement, not replace, appropriate safety measures and caution during use.**

OMG Equestrian protective wear is **Personal Protective Equipment (P.P.E)**. OMG Equestrian garments include SAS-Tec Protective pads that carry the **EN 1621 – 1:2012** (Joint protection) and **EN 1621 – 2:2014** (Back protection) motorcycle safety ratings. All the pads are either rated level 1 or level 2 protection, as per the **EN 1621 – 1:2012** and **EN 1621 – 2:2014** European standards. The level 2 offers greater performance.

**OMG Equestrian protective wear has been designed and manufactured to reduce the severity of shocks caused by direct impacts. The protective wear provides limited protection for the rider from falls.**

The user is responsible for correct use of the protectors, including positioning the protectors in their intended way and if applicable fastening/closing systems have been secured. It is essential for OMG Equestrian protective wear to be used as intended, as the proper functionality of these items depends on their correct positioning over the region intended to be protected. OMG Equestrian apparel has been made to be used with other garments or alone.

### HOW TO READ PROTECTIVE LABELS AND SAFETY CODES

**Note:** OMG Equestrian garments are intended as equestrian wear, however the SAS-Tec safety pads are designed and tested for motorcycle riding. User discretion is advised.

#### **What is “CE”**

The CE stand for “Conformité Européene” in French, which translates to “European Conformity.” Protectors are stamped with a large CE marking, plus the smaller “EN” mark followed by a code. The letters “EN” stand for “European Norm.”



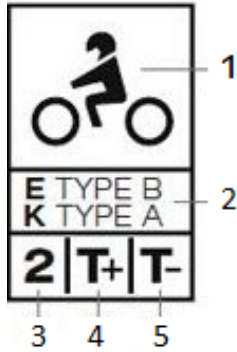
#### **How to read an “EN” standard. For example: 1621-1:2012**

- EN – The marking means the armour conforms to the CE standard.
- 1621 – The armour is meant for motorcycle applications.
- 1621-1 – The armour is for anywhere but the back i.e., shoulder, elbow, forearm, hip, knee, shin.

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- 1621-2 – You can find this code only on back protectors.
- 2012 – The year the armour was certified.

#### How to read the protector label example.



- 1) Purpose of the protector (for motorcycle riding)
- 2) Area of protection & Coverage type
  - (a) Area = E – Elbow & K – Knee
  - (b) TYPE A – Smaller coverage area but more specialized application.
  - (c) TYPE B – Means normal coverage.
- 3) Level of protection
- 4) Passed optional test at T+ = 40° C
- 5) Passed optional test at T- = -10° C

#### There are also two levels of protection:

##### Back Protectors

- Level 1 – Maximum transmitted force must be below 18 kN (kilo-Newton).
- Level 2 – Maximum transmitted force must be below 9 kN.

##### Joint Protectors

- Level 1 – Maximum transmitted force must be below 35 kN.
- Level 2 – Maximum transmitted force must be below 20 kN.

This means Level 2 protection allows less forces through, hence providing better protection.

#### List of codes for different parts of the body (EN1621-1 protectors):

- S – Shoulder
- E – Elbow
- H – Hip
- K – Knee
- K + L – Knee plus upper and middle tibia
- L – Front of leg
- KP – Knuckle protection (for gloves)

#### List of codes for back protectors (EN1621-2):

- FB – Full back protector for the central back and scapulae
- CB – Central back
- L or LB – Lumbar

## MATERIALS AND FABRICATION

The protective pads are crafted from viscoelastic foam, which has the unique characteristic of returning to its initial shape seconds after experiencing impact or other forms of deformation. Unlike some other cushioning materials, our PU-foam can withstand multiple impacts. This means that even if an area is repeatedly affected by impacts or high pressure, the protector remains undamaged and maintains its full functionality. The protectors that SAS-TEC has certified meet CE standards and exhibit superior residual forces. Some pads even demonstrate performance that is up to 50% better than the legal parameters set forth in the EN 1621 norm. Despite their lightweight nature, the protective pads possess high absorbency. This adaptive absorption is due to the air encapsulated within the foam's cells, which allows for progressive absorption. The protector remains soft under slowly increasing forces, but when a fast and heavy impact occurs, the foam's resistance grows exponentially. The reaction of the SAS-TEC foam is instant and there's no delay, even when it comes to minor impacts. This ensures that the energy absorption remains nearly linear, thereby keeping the impact forces exerted on the human body minimal.

Part of the raw materials used in our foam production are derived from renewable sources. As a result, the protectors can be disposed of with regular household waste. The garments themselves are made from recycled nylon and spandex.

## USE OF THE P.P.E

Our report relates to use of the garments for equestrian use only. The protective pads have been designed and tested for **motorcycle** use. Our product, only if used correctly, aims to reduce the risk of injuries, by reducing the energy transferred to the user at the intended region of protection, in case of a fall or impact against an object.

**Note:** The protective pads within our garments are designed, intended for, tested to meet the motorcycle industries safety standards of EN 1621.

The use of our garments for equestrian use is done so at the user's discretion and acknowledgment that the equestrian industry does not have as at 10<sup>th</sup> of September 2023 a current safety standard for this type of P.P.E.

OMG Equestrian can only guarantee our product when the protective pads placed within our garments are purchased through OMG Equestrian.

## RISKS WHERE THE PROTECTORS OFFER ONLY LIMITED PROTECTION

Our protectors are designed to protect their intended covered areas and minimise injury to that region that may occur from direct impact or blunt trauma resulting from falling onto a surface from a horse. The protective pads **MAY** reduce the severity of bruises, abrasions and fractures that would have been a result from a fall, accident, or impact.

### **RISKS where the protectors DO NOT guarantee protection:**

Our protectors cannot guarantee ANY protection against injury caused by over-stretching, bending, twisting, violent/extensive contortion of the spinal column and/or severe movements prior to or on

impact. Our protectors cannot reduce injuries caused by or resulting from crushing, stomping or trampling. Our protectors cannot reduce injuries caused by or resulting from impact or blunt force trauma to the abdomen or chest, in such cases of a collision from a natural or fabricated object. Therefore, OMG APPAREL PTY LTD cannot provide ANY protection or rule out spinal injuries.

**Warning:** There is no scapula protection in the use of central back protectors and no upper back protection in the use of lumbar protector!

### RESTRICTIONS REGARDING USE OF THE P.P.E

In equestrian sport there is a certified standard for protectors that safeguard the torso, these protectors meet the EN 13158 standard. Our protectors through design offer limited protection to the back, shoulders, elbows, hips, and tail bone, while maintaining functionality, flexibility, comfort, and lightness, but reduced protection in comparison to those protectors certified EN 13158. An individual must consider what type of protector best suits their abilities, discipline, and horse.

- Protectors can NOT provide complete protection against all impacts!
- Horse riding is a dangerous activity that can cause injury and/or death.
- Protectors can NOT prevent injury to the spine and surrounds!
- The outlined instructions for the use of our protectors MUST be adhered to!
- Do not misuse the P.P.E. Incorrect handling can drastically reduce the level of protection!
- The protectors can only provide limited protection to the areas outlined and certified for use.
- Do not expose the protectors to high or low temperatures. Climatic changes in temperature less than 5°C (unless tested and stamped -T for -10°C) and greater than 40°C (unless tested and stamped =T for +40°C), can significantly reduce the level of protection provided by the protector.
- Strictly DO NOT change or modify the protector in any way!

### INITIAL ASSESSMENT PRIOR TO USE

It is essential prior to using the P.P.E, that it has been assessed and deemed in good working order. If damage to the protectors occurs, including cuts, breaks, failure of seams, scraps or scuffs, replacement will be required. The P.P.E can only meet its certification requirements if in good condition and if it is secured properly. Modifying the protectors or fastening systems from their original features will diminish the intended level of protection. If the fastening systems are compromised, they will need replacing.

### PERFORMANCES

The following protectors comply with the **EN 1621 – 1:2012** and **1621 – 2:2014** requirements.

Protector Code	Type of Protector	Test Results	Level Achieved	Safety Standard Awarded
SCL-ML 19	FB	8.1 kN	2	EN 1621 – 2:2014
SCL-L 19	FB	7.5 kN	2	EN 1621 – 2:2014
SCL-XL 19	FB	7.2 kN	2	EN 1621 – 2:2014
SC-1/41	S/E/K Type A	15 kN	2	EN 1621 - 1:2012
SC-1/EB2	E Type B	18 kN	2	EN 1621 - 1:2012
SC-1/KB2	S/E/K/H Type B	18 kN	2	EN 1621 - 1:2012
SP-T	coccyx	-	N/A	N/A

### CARING FOR AND MAINTAINING PROTECTORS



#### Cleaning:

1. Prior to washing, remove the pads from the garments.
2. Hand launder the pads separately, using a lightly damp cloth to remove dirt.
3. Avoid using chemicals or solvents to clean the protector.
4. The protector has a water absorption rate of less than one per cent.

#### Storage:

1. When not in use, store the protectors in a cool and dry environment.
2. Keep the protectors away from direct sunlight.
3. Do not store or come into contact with chemicals.
4. Avoid placing heavy objects or weights on the protectors.
5. Do not store sharp objects together with the protectors.
6. Store the protectors flat and avoid over bending or folding them.

**Note:** To clean the clothing garment, follow the care instructions on the garments care label.  
**REMOVE** the protective pads prior to laundering.

After removing the protective pads for cleaning, always ensure to assess the condition of the protective pad for damages. If you have any concerns regarding the condition of the protective pad, replace the protective pad immediately.

Ensure the pads are correctly put back into the garment in its intended position.

Claims or replacement requests for improperly used or cared for products will not be accepted.

### SIZE SELECTION AND FUNCTIONAL DESIGN

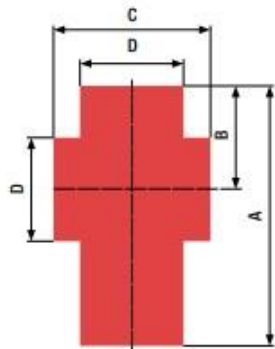
For our protectors to provide their intended level of protection it is necessary to make sure that the wearability complies with the following criteria.:

1. The protectors, especially including the back protector, must not interfere with your usual or correct riding style or position. You must be able to correctly control of your ride.
2. The back protector must not be too large causing it to interfere with the helmet and/or saddle.
3. The back protector must not be too small that the required area isn't protected.
4. The protectors must be positioned in the correct area, that the protector is certified for.
5. For the protectors to perform as required, the garments must be close-fitting to the body. Chose a garment that best fits your body type, while maintaining the protectors correct positioning with a close fit.

To ensure that the P.P.E is fitted correctly please select the garment that best fits your body type. Our garments are made from varying degrees of stretch fabrics to allow a close-fitting garment to be selected, without the functionality of the garment to be compromised. It is essential that the back protector selected is in accordance with the manufacturers fitting guide. This is aligned with a person's measurements from shoulder to waist. This is because there is no fixed correlation between a person's body size (height and shape).

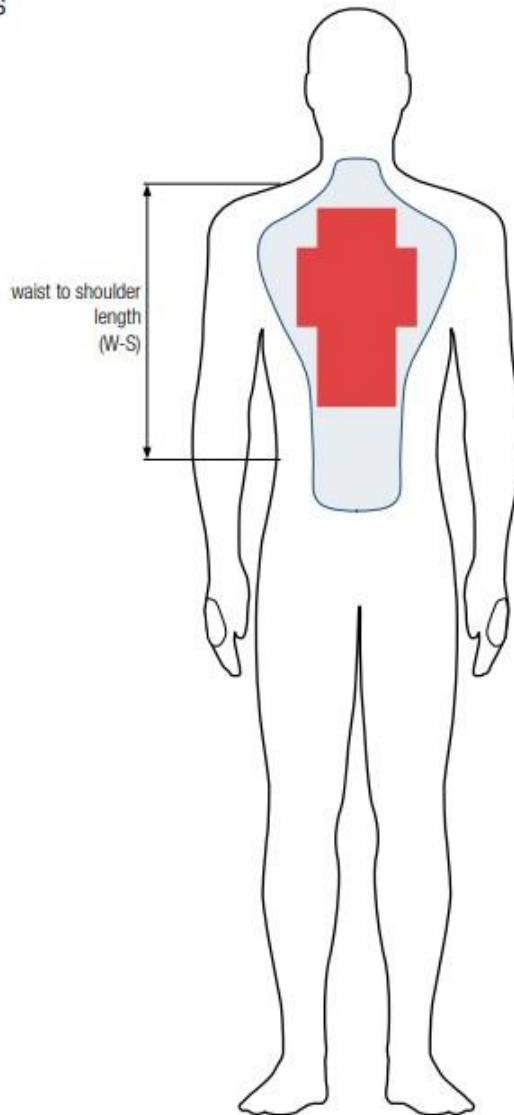
Type	SCL-S 19	SCL-M 19	SCL-ML 19	SCL-L 19	SCL-XL 19
Size	S	M	ML	L	XL
	FB	FB	FB	FB	FB
Performance level	Level 2	Level 2	Level 2	Level 2	Level 2
Length approx. (mm)	320	360	405	450	505
Width approx. (mm)	180	205	225	245	265
Height approx. (mm)	19	19	19	19	19
Weight approx. (g)	175	205	280	325	415
Certification length cm (Waist - Shoulder)	29-32	32-36	36-41	41-45	45-50
Recommended for body height* (cm)	120-140	135-155	150-170	165-185	180-205

Certification sizes for back protectors



Certification zone:

- A: 72% W-S
- B: 29% W-S
- C: 44% W-S
- D: 29% W-S



waist to shoulder length (cm)	body height approx. (cm)
29	110
32	122
35	133
36	137
37	141
40	152
41	156
42	160
44	167
45	171
46	175
47	179
48	182
50	190
52	198
55	209

## OUR RECOMMENDATIONS FOR REPLACEMENT AND DISPOSAL

The atmospheric conditions exposed to the protectors may change the ageing process of the protectors in a negative manner. This includes, dirt, sweat, heat and cold conditions. Please monitor the condition of your garments closely and assess if they need replacing.

The clothing garments will be subject to general wear and tear and may need replacing due to this or if any fastening fixtures becomes compromised.

If kept in a cool and dry environment, the protective pads have an expected life expectancy of 5 years from manufacture. After 5 years replacement may be required.

Our garments and protectors can safely be disposed of with household general waste and rubbish.

## EXEMPTION OF LIABILITY

OMG Apparel Pty Ltd are not liable for any Loss or Damage arising from Products purchased included, but not limited to your reliance on any of our information, or your use or misuse of any Product.

To the extent which we are entitled to do so, our liability under the Australian Consumer Law will be limited, at our option to: -

- the replacement of the products or the supply of equivalent products; or
- the payment of the cost of replacing the products or of acquiring equivalent products.

In any case, our liability to you will not exceed the amount actually paid by you to us for the most recent Product you have paid for.

You agree to indemnify us, and to keep us indemnified from any Claim arising out of or in connection your reliance on any of our information.

**Australian Consumer Law** means Schedule 2 of the *Competition and Consumer Act 2010 (Cth)*.

**Claim** means any claim, under statute, tort, contract or negligence, any demand, award, or costs.

**Loss or Damage** means any direct, indirect, incidental, punitive, special, or consequential loss or damages of any kind, including but not limited to, any loss of profits, revenue, savings, loss of enjoyment, personal injury, death, negligence, property damage and legal costs.

**OMG Equestrian Wear/ Products** means any of our certified and customisable tops and riding pants with SAS-TEC technology.

**We, us, or our** means OMG Apparel Pty Ltd t/as OMG Equestrian [ABN 15649246024] and includes any of our directors, officers, employees, agents, partners, and contractors.

## DECLARATIONS OF CONFORMITY

Available at the following web address: [www.omgequestrian.com.au](http://www.omgequestrian.com.au)