



**GECKO**  
**2023**  
**COMPANY** **BROCHURE**

# ABOUT US

We are a family run company who pride ourselves in offering a unique and personalised service. Our PAS 028 helmets were the first in the world to be certified by BSI.

We don't believe in 'all risk' helmets because all risk helmets are not optimised for their intended environment – Gecko helmets are designed from the water up.

Every aspect of the manufacturing process is handled in England, in our Bude based production facility. Gecko helmets are hand-made to order giving our customers flexible configuration and design options as well as unmatched manufacturing quality.

We are the only company in the world who specialise in marine safety helmets so our expertise in this area is unrivalled.

**1993**

**1993**

Jeff Sacree founded Gecko Head Gear

**1994**

The Gecko surf lid is released to market

**1995**

The RNLI commission Gecko to design an open face helmet for users of fast watercraft

**1998**

MK5 is released as first production version of the Marine Safety Helmet

**1999**

Gecko partner with BSI, the RNLI and MOD to create a marine helmet safety standard

**2000**

PAS 028 marine safety standard is created by BSI with input from Gecko, RNLI and MOD

**2002**

A revised model of the open face is released to the market (MK9)

**2004**

The cut away helmet is released to market (MK9)

**2006**

A revised model of the open face is released to the market (MK9)

**2007**

Gecko design and patent the inflatable helmet liner

**2008**

The Gecko full face is released to market

**2009**

Gecko launch their water-proof communication headsets

**2011**

A revised model of the open face helmet is released to the market (MK11)

**2014**

A revised model of the cut away helmet is released to the market (MK10)

**2019**

The Gecko one is being designed (MK12)

**2023**

Gecko One modular helmet is released to market

**2023**



our  
**HELMET RANGE**

Gecko Head Gear helmets were the first helmets certified to marine safety helmet standard **PAS 028**.



the  
**CUT  
AWAY**



The **Cut Away** is a variation of our popular Open Face helmet, the shape of the Cut Away has been modified to allow for ear defenders to be mounted to, or worn underneath the helmet. The retention system has been designed to fit around ear defenders. Available in one size to fit a head of 57cm-62cm and weighing just 620 grams. Meets marine helmet safety standards PAS 028, eye protection BS4110 with a visor and ear defence EN352-3 when used with ear defenders.

### DESIGN

Using computer aided design the ABS construction provides incredible protection and the grooved design gives an excellent strength to weight ratio. The patented inflatable liner is an integral part of the helmet design; through an oral valve the liner has the ability to inflate or deflate to create a perfect fit every time. The strap has been designed to fit around your ear defenders allowing for a snug fit to your head.

### SPECIFICATION

Size: 57cm - 62cm

Weight: 620 grams

Marine Safety Helmet PAS028:2002

Eye Protection BS4110 with visor

Ear Defence EN352-3 with eardefenders



the  
**OPEN  
FACE**



**The Open Face** is our most popular helmet model; as used by the RNLI, Royal Air Force, Police and MOD this helmet has been designed to provide maximum head protection in an incredibly lightweight helmet that can be comfortably worn all day. Available in one size to fit a head of 56cm-63cm and weighing just 670 grams. Meets marine helmet safety standards PAS 028, mountaineering helmet standard EN 12492, eye protection BS4110 with a visor and ear defence EN352-2 with ear plugs.

### DESIGN

Using computer aided design the ABS construction provides incredible protection and the grooved design gives an excellent strength to weight ratio. The patented inflatable liner is an integral part of the helmet design; through an oral valve the liner has the ability to inflate or deflate to create a perfect fit.

### SPECIFICATION

Size: 57cm - 62cm

Weight: 700grms

Marine Safety Helmet PAS028:2002

Eye Protection BS4110 with visor



the  
**FULL  
FACE**



**The Full Face** much like the open face helmet but with additional protection for the chin. The Gecko full face helmet is often chosen by those who operate in super fast watercraft and jet skis, or those who face high speed first impacts. Available in one size to fit a head of 57cm-62cm and weighing just 700 grams. Meets marine helmet safety standards PAS 028 and eye protection BS4110 with a visor.

**DESIGN**

Designed to give the most protection of all the marine safety helmets, the full face is the number one choice for personal watercraft users, giving a motorcycle helmet level of protection without the weight and negative buoyancy. The helmet incorporates the high line at the rear to allow the user to wear buoyancy aids without restricting movement.

**SPECIFICATION**

- Size: 57cm - 62cm
- Weight: 700grms
- Marine Safety Helmet PAS028:2002
- Eye Protection BS4110 with visor



# the **SURF**



The surf and watersports helmet was originally designed by Jeff Sacree' for himself, so he would have something warm to wear on his head in the surf and something to protect his head from rocks hiding below the surface. This stylish lightweight helmet is an essential piece of kit for surfers, body boarders, windsurfers, kitesurfers, wakeboarders and kayakers alike. Available in small (53cm-56cm) or large (57cm-59cm) and weighing only 500 grams.

## **DESIGN**

Knowing its life was going to be spent in the bottom of a wetsuit bucket the shell is made from fibreglass and the materials used in the liner and strap are designed to avoid soaking up water, so you can rinse off the salt water at the same time you rinse your suit.

## **SPECIFICATION**

Small 51cm - 55cm

Large 55cm -59cm

Weight: 500grms



the

# MARINE BALLISTIC



The MBH (Marine Ballistic Helmet) was specifically designed with the needs of the personnel all across the world for protection in marine environments while under threat of gunfire. The design has been evolved from the worlds leading marine safety helmet The Gecko Open Face offering the inflatable liner to give you a 100% custom fit. Teaming up with NP Aerospace we have designed an internal ballistic protection to stop high velocity 9mm rounds and only weighing in a 650 grams. To deal with the impacts we have designed alongside Skydex an impact mitigation layer inside to act as an impact layer for safety standards and deformation protection.

## DESIGN

Armour Rating: NIJ IIIA 0101.04    Size: 56cm - 63cm

Performance Specification;  
9mm FMJ 124 gr 425m/s  
9mm BFD >25.4mm at 380m/s  
.44mag 240gr SJHP 425m/s  
17gr FSP V50 at 670m/s  
16gr Sphere V50 at 670m/s

## SPECIFICATION

Weight: 1400grams  
Marine Safety Helmet PAS028:2002  
Mountaineering Helmet:EN:12495:2012







ONE

the NEW

# GECKO ONE

**25 Years of marine helmet design has gone into producing the g1 to make it the standout against the ordinary.**

The G1 design has come from the demand from a modular helmet to adapt to different environments/conditions/requirements and preferences, while maintaining its core principle to protect.



**The Cut Away** is the core of the G1 and is where all variants are based upon. The half cut design offers uncompromised situational awareness while offering full marine impact protection. The unique benefit of the Cut Away is the availability to add ear defenders. Which can be Passive or Active noise cancelling with or without integrated communications. Our Sea-Com can also be worn without ear defenders to accommodate our waterproof communication headsets.



**The Open Face** is the most common variant worn by military, coastguards and fisheries. It offers great all round protection from the elements while allowing attachments for long clear visors. To reduce the risk of bucketing the visors are designed to snap off in the event of high pressure forced upon the helmet. The sides offer two mounting points for communications and grip inserts. It also allows the fitting of the open face liner for an encompassing fit.



**The Full face** offers the most coverage and favoured by military and Security forces and PWC users. The large vents on the front drive air in and down to move hot air away from the visor to reduce the fogging. The visors are easy removed or changed if required. The inflatable liner also seals around the head to stop water rushing up and into the helmet and causing strain into the neck. The Full face gives that extra protection while offering the benefits of the open face mounting points and open face liner.



## FEATURES

- Inflatable liner pressurised by a thumb press intergrated into the strap asembly
- Slotted vent inserts for partial ventilation
- Sealed vent inserts for maximum heat retention.
- Open vent for maximum ventilation
- Ear aperature can be used for communications with an external ptt.
- Half cut design to allow fittment of ear defenders.
- Full face visor easily removed or changed.
- Visor attatchment for various visor options.
- Side aperature for mounting accessories
- Strap assembly designed to fit around ear defenders and stop helmet rotation.



CUT AWAY



CUT AWAY  
(WITH VISOR)



OPEN FACE



OPEN FACE  
(WITH VISOR)



FULL FACE

design  
**FEATURES**

UV resistant ABS plastic shell for longevity

Liner can be adjusted while the helmet is being worn

All over head protection including crown, forehead and sides

Specifically designed to be compatible with headsets for clear VHF radio communications

Grooved liner to allow space for ventilation, water displacement and the arms of glasses

Liner creates a seal to prevent water entering the helmet during a feet first fall

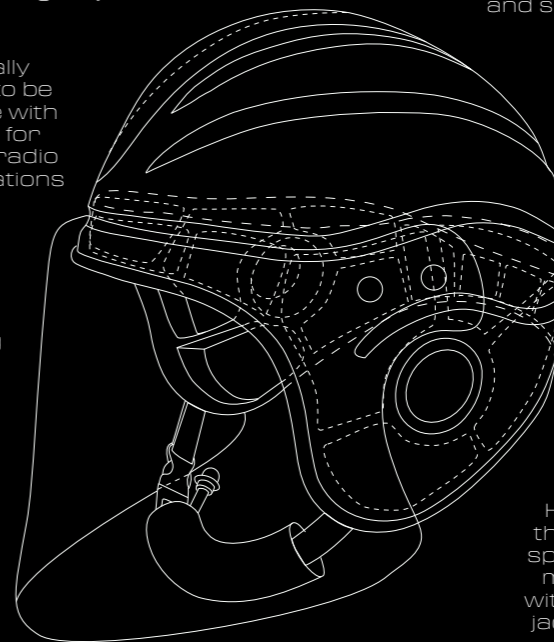
Gecko patented inflatable liner to create a 100% custom fit without pressure points making Gecko helmets the warmest and most comfortable on the market

The open face helmet weighs only 670 grams so you'll hardly know you are wearing a helmet

High cut line at the rear to allow space for the helmet to be worn with an inflated life jacket and spray hood

Removeable ear inserts for flexible acoustic configurations and for mounting accessories

Marine grade 316 stainless steel studs for rust resistance in a saltwater environment



# helmet TESTS

## 1. Shock Absorption

The shock absorption test is designed to mimic a person falling from height by way of a controlled fall of a helmet and headform onto a metal anvil. To pass this test, the helmet must prevent more than 10,000 Newtons of force from reaching the headform when the impact energy above (in Joules) is applied.

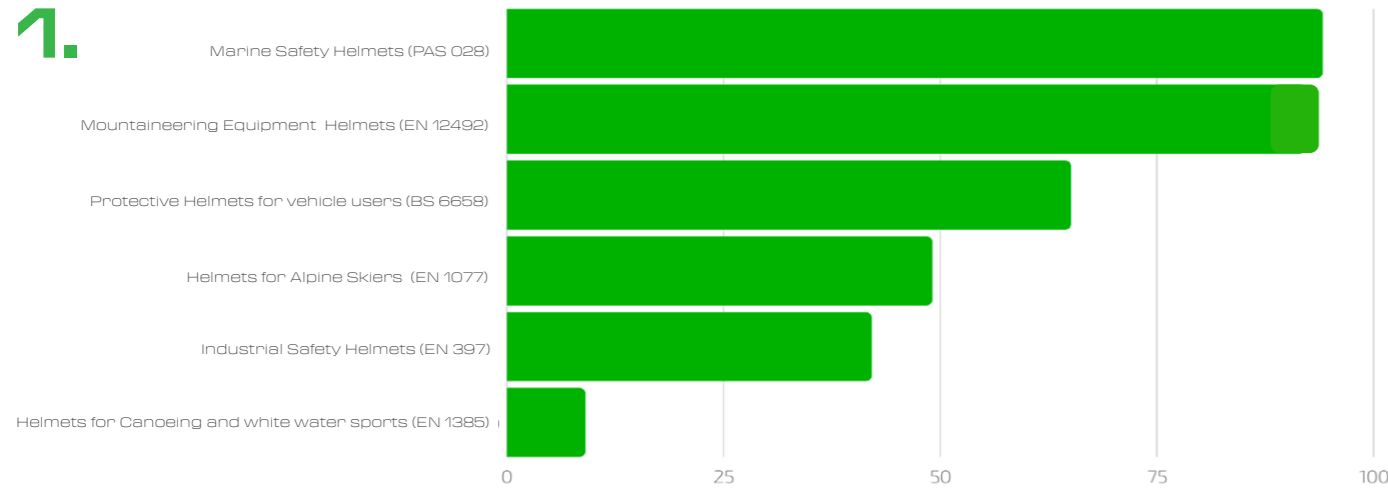
## 2. Standard Specifics

Showing the full range of testing scenarios that helmets certified by each BSI standard are subjected to. Comparing Marine safety helmets to canoeing and watersport helmets as well Mountaineering equipment helmets and many other helmet safety standards.

## 3. Penetration Test

The penetration test is designed to mimic a sharp object falling from height onto the helmet by way of a guided falling pointed hammer onto the helmet. To pass this test, the helmet must not allow the hammer to penetrate to the headform when the impact energy above (Joules) is applied.

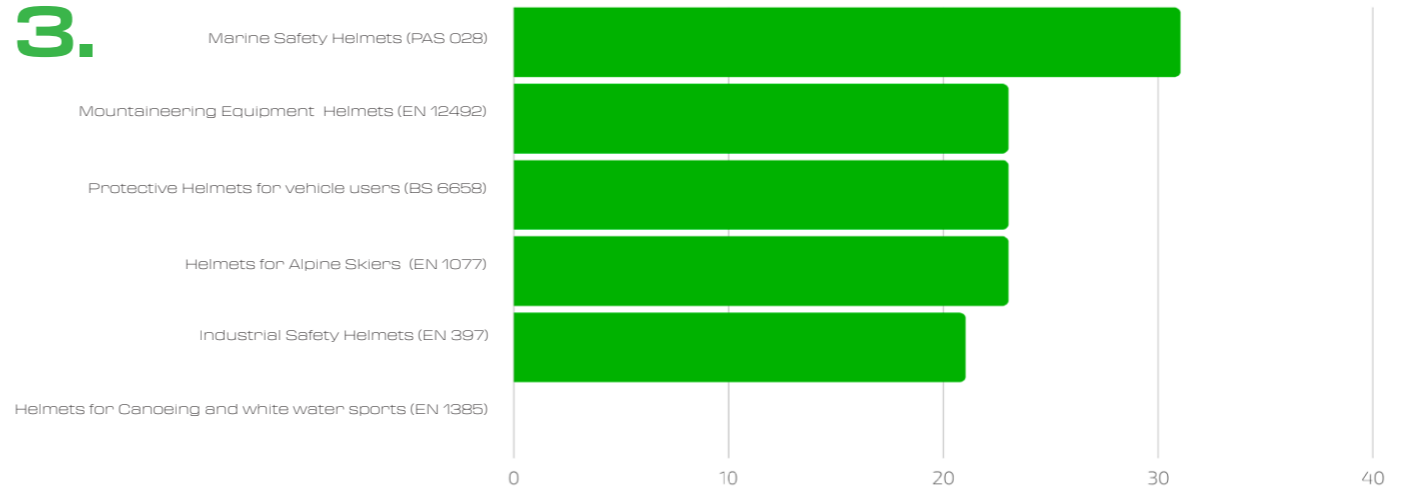
## 1.



## 2.

|                                                       | MARKING REQUIREMENTS | COVERAGE | SHOCK ABSORPTION | RETENTION SYSTEM EFFECTIVENESS | RESISTANCE TO PENETRATION | BUOYANCY | VENTILATION | MASS | ELECTRICAL INSULATION | FLAME RESISTANT |
|-------------------------------------------------------|----------------------|----------|------------------|--------------------------------|---------------------------|----------|-------------|------|-----------------------|-----------------|
| MARINE SAFETY HELMETS (PAS 028)                       | ✓                    | ✓        | ✓                | ✓                              | ✓                         | ✓        |             | ✓    |                       |                 |
| MOUNTAINEERING EQUIPMENT HELMETS (EN 12492)           | ✓                    | ✓        | ✓                | ✓                              | ✓                         |          | ✓           |      | ✓                     | ✓               |
| PROTECTIVE HELMETS FOR VEHICLE USERS (BS 6658)        | ✓                    | ✓        | ✓                | ✓                              | ✓                         |          |             |      |                       |                 |
| HELMETS FOR ALPINE SKIERS (EN 1077)                   | ✓                    | ✓        | ✓                | ✓                              | ✓                         |          |             |      |                       |                 |
| INDUSTRIAL SAFETY HELMETS (EN 397)                    | ✓                    | ✓        | ✓                | ✓                              | ✓                         |          |             |      |                       |                 |
| HELMETS FOR CANOEING AND WHITE WATER SPORTS (EN 1385) | ✓                    | ✓        | ✓                | ✓                              |                           | ✓        |             |      |                       |                 |

## 3.



customisation &

## ACCESSORIES

### VISORS

Visors can be attached to any Gecko marine safety helmet and they provide additional protection plus shield you from the elements and spray. Gecko visors are manufactured from Lexan polycarbonate which meets the highest impact requirement of BS4110 eye protectors for vehicle users. Available in a range of tints including clear, smoke, dark, gradient and yellow, visors provide UV protection ranging between 97% and 100%. Fitted using 'quick release' studs allows the visor to snap off if the wearer is thrown overboard; a safety precaution to reduce the risk of a strain injury to the neck

### EAR DEFENDERS

Ear defenders can be mounted onto your cut away helmet. Alternatively, they can be worn underneath your cut away helmet using a headband

We believe that the best marine standard ear defenders are manufactured by 3M™ Peltor™. We offer Peltor ear defenders as separates or mounted on the cut away helmet as a customisation option. Peltor provide ear defenders to suit a variety of noise blocking requirements; they also offer variations with built-in radio communication headsets that work on DECT, Bluetooth and Wifi.

### GRIPS

Gecko Equipment Grips Can be Used to Attach Marine Lights and Cameras to Your Helmet  
There are four types of equipment grip; the grip pad, the grip insert, the go-pro grip and the grip rail

The grip on both of these varieties is designed to hold cylindrically shaped accessories with a 10-30mm diameter. They are designed to break free if caught on a wire or taught rope to prevent damage to the wearer's neck so we recommend using a lanyard to secure any equipment to prevent losing it in the event of an entanglement.

### BAGS

Gecko helmet and accessory storage bags, made with the dimensions of your kit in mind, offer protection and easy transportation for your favourite head gear. Choose from a padded storage bag to protect your helmet and visor when not in use, or a dry storage bag for keeping your marine apparel dry alongside your Gecko. Alternatively, our new dry rucksack offers both water resistance and padded protection for your Gecko helmet and its accessories. We also stock a separate accessories bag, for your visors and comms.

FIND OUT MORE AT - <https://www.geckoheadgear.com>



## communication **HEADSETS**

With a push fix attachment to the Gecko marine safety helmet, the lightweight Gecko push to talk (PTT) marine communications system provides head protection combined with the ability to communicate clearly with colleagues on land, sea or air, at the push of a button, while using handheld VHF or UHF radio. The lightweight device does not impede or alter the design safety features of the helmet.

**Test Standard:**  
**BS EN 60529:1992**



Various radio connections available



Comfortable to use over long periods



High quality speaker tailored to speech bandwidth for clear transmissions



25dB noise cancelling robust microphone to allow clear communication in high noise environments



Easily fits in our open and full face helmets



Waterproof to IPX-7 (1M for 30 minutes)



Push to talk (PTT) located on earpiece



Can connect to full-duplex or wired VHF radio system



## **THE SEA COMM**

The Gecko Headset can be used even when a helmet is not required. By mounting the headset into a sea comm headband that can be worn on its own or under a cut away helmet. The headset fits into a casing that is mounted on a one-size-fits-all elastic sea comm headband. This product is only compatible with single speaker Gecko headsets as it only has headset casing on one side over the right ear.



## COLOURS & LIVERY

Gecko helmets can be manufactured in any colour on request, or from our range of stock colours that includes black, matte black, navy blue, red, orange, yellow, white, fluorescent orange and fluorescent yellow.

You can add text or a logo to your Gecko helmet using plain vinyl or retroreflective lettering, both available in a choice of colours. For increased night time visibility you can also add retroreflective strips to the crown and sides of your helmet. More complex multi-coloured logos can also be applied to the sides by way of a custom-made sticker.





our  
**CUSTOMERS**

**Gecko's marine safety helmets have a wide range of applications**

As a result, our helmets are used in numerous marine sectors



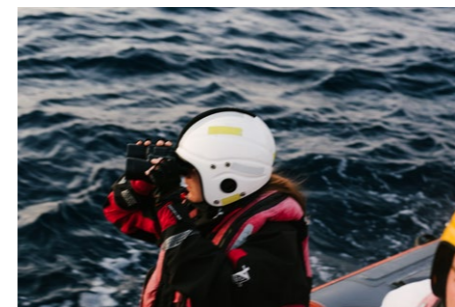


# SEARCH & **RESCUE**

Gecko Head Gear has been Manufacturing Lifeboat Helmets for Lifeboat Crews Worldwide for Over Twenty Five Years

This includes the RNLI, who was instrumental in the development of the original Gecko open face helmet; a purpose designed lifeboat helmet providing a motorcycle helmet level of protection in a lightweight and buoyant design. The Royal National Lifeboat Institution worked alongside Gecko to develop the first-ever open face marine safety helmet and they assisted in the development of safety standard PAS 028.







MOD  
**ROYAL NAVY**

Helmets for armed forces who operate in a marine environment is a niche sector, but one in which Gecko Head Gear specialise. The head protection requirements of armed forces vary considerably from one organisation to another and Gecko understands how to adapt products to meet specific client needs, from variations in impact protection to accessory brackets to colours and livery. As our helmets for armed forces have derived from our traditional marine safety helmet range they can be used alongside all your usual Gecko accessories such as comms, visors and marine lights. The Royal Navy is the United Kingdom's naval warfare force and they have been using the Gecko open face helmet in a plain matt black design for over ten years.





## MOD **POLICE**

Helmets for emergency services who operate in a marine environment is an extremely niche market and there is only one company in the world to specialise in it, that is Gecko Head Gear. The original Gecko open face marine safety helmet was originally designed for the RNLI since they required a motorised vehicle level of protection in a helmet that is appropriate to use around water. The inflatable liner that all Gecko helmets come fitted with as standard, provides positive buoyancy so a rescuer or casualty can be assured that their head will float. Additionally, as helmets for emergency services may be required to fit a number of different personal the inflatable liner can be adjusted to fit almost any head size. PAS 028 certified helmets like the Gecko marine safety helmet range meet the strictest performance requirements of any BSI helmet standard, so that our emergency services can have peace of mind that they are safe while they are helping others.

# SEA SHEPHERD

Sea Shepherd Conservation Society (SSCS) is an international non-profit, marine wildlife conservation organization that aims to end the destruction of habitat and slaughter of wildlife in the world's oceans in order to conserve and protect ecosystems and species





## marine **PILOTS**

The most popular helmet choice for maritime pilots is the open face helmet, which has been extensively tested for helicopter rescues where the rescuer jumps into water from a height of ten or more meters; the chamfered helmet edge and inflatable liner work together to prevent much water from entering the helmet and the grooves in the liner allow displacement of any water that does. The retention system has enough elasticity in it to allow for some movement of the helmet as it hits the water without allowing the helmet to come off the head or injure the chin. Gecko marine safety helmets provide the maximum impact protection of any BSI helmet safety standard with 100 Joules of on crown impact energy absorption.

pro  
**ATHLETES**

Gecko Sponsor Several Professional Athletes Providing Protective Head Gear for Extreme Situations. Gecko's sponsors choose to work with us because they love our products and rely on effective head protection in their sport.

Our sponsored professional athletes include big wave Northern Irish surfer Al Mennie and Fuerteventura based wave windsurfer Corky Kirkham. We also endeavour to support fund raising and record breaking attempts where appropriate.

