



HELITE
airbag technology expert

AIRBAG PROTECTION

OFF ROAD

RIDE SAFE | BE ADVENTUROUS

HELITE has developed an airbag that meets the requirements of riders and the extreme conditions of off-road.

This vest is worn under the pilot's jacket.

It has been designed with 2 cartridges allowing a **double triggering**, offering the possibility to the pilots not to have to change the cartridge after the first inflation, and to leave immediately.

Developed and approved for off-road use, the vest **protects vital areas** (Kenny Mission EN 1621-3 level 2 chest, SAS TEC level 2 elbows and shoulders) and incorporates Turtle technology (SAS TEC level 1 back).

An airbag vest with electronic triggering, always without subscription.



Characteristics



🛡️ **Ergonomic design** : a technical and breathable fabric, ultra resistant and elastic which will adapt perfectly to the morphology of the pilots including when the airbag is triggered. It is also distinguished by its optimized weight. The addition of a second cartridge allows for an even weight distribution.



🛡️ **Electronic system** : it has a remote button to turn on and off the system, to control the battery level but also to check the operating status of the airbag. The Off Road vest has an autonomy of 25 h.



🛡️ **Reusable** : like the entire HELITE product range, the product range, the OFF ROAD airbag vest is reusable. It innovates thanks to its double release system. After the first inflation, the left cartridge is activated first the vest deflates automatically and the electronic system switches and the electronic system switches to the full cartridge*. The pilot will then be ready to go again without losing time.

**a time delay of 3 minutes between two activations is automatically activated*



🛡️ **Unisex** : for women and men.



Water bag



Removable sleeves (sold separately)



Remote button



Double triggering

Protection



Protection of vital areas :

The airbag offers HELITE's expertise in protecting vital areas: back, neck, thorax, abdomen.

Turtle Technology :

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High-performance algorithm :

The OFF ROAD detection mode has been specially developed for developed for the Dakar. It allows to follow at best the movements of the pilot in real time, to analyze the situation and to detect the fall as soon as possible to activate the inflation of the airbag. However, for a more versatile use, and not only focused on the rally, the vest offers two different modes:

○ **Rallye/Enduro** mode: the airbag is activated from 20 km/h to detect most falls.

○ **Adventure/trail** mode : the airbag is activated from 18 km/h and is more sensitive to fast movements and movements and shocks.

Both of these modes also have a «sun» function that allows them to inflate at low speeds on this type of fall.

Volume of protection :

The OFF ROAD provides 14L of protective volume for maximum impact absorption and coverage of vital areas and inflates quickly in 80 ms.

Size chart

Remember, the OFF ROAD airbag is worn under the rider's jacket. Each person has his own morphology. Our size charts are for information purposes only.

OFF ROAD (cm)	XS	S/M	L/XL	2XL
Height	150-167	165-177	175-187	185-195
Chest size with clothes	83-91	87-100	97-110	107-120
Length waist shoulder with clothes	40	42	44	46
Cartridges reference	e-50 CC off road	e-50 CC off road	e-50 CC off road	e-50 CC off road



Quality



Made in France

For 20 years, the Helite team has been putting its expertise at the service of your protection.



Helite 4 year warranty

Register your airbag on the my.helite.com website and benefit from a free 2-year warranty extension.



Responsive customer service

Our customer service is always available to answer your questions and advise you on the proper use of your airbag.



Certification CE

the OFF ROAD airbag is CE certified by ALIENOR CERTIFICATION notified body n° 2754 according to the protocol AMC-012 : 02/2020 and the standard NF EN 17092-6 : 2020. It complies with the requirements of the EU regulation 2016/425.

FAQ

? How to activate and deactivate the vest?

The OFF ROAD vest is wireless and easy to use. To turn it on or off, simply press the ON/OFF button located at the bottom right of the airbag vest 3 times, 3 beeps will sound and a green LED will flash.

? What is the autonomy of the sensor of the vest?

The OFF ROAD has an autonomy of 25 hours. You can recharge it with the USB cable provided with the vest.

? How to clean the vest?

Do not machine wash, do not wash by hand, do not immerse in water or dry clean. The only way to clean the airbag is with a soft cloth slightly soaked in soap. Do not use detergents or bleach. We recommend that you dry them on a hanger in a dry place. Do not put it in the dryer, on a radiator or near a heat source. Do not iron.

? How does the double trigger work?

The OFF ROAD vest is equipped with 2 independent cartridges. This innovation allows pilots not to have to change the cartridge immediately after a first inflation and to start again immediately.

The electronic system of this airbag switches automatically from the empty cartridge to the full one. The first activation is done with the left cartridge.

When both cartridges are empty, the airbag indicates this via a light and sound signal. It is then necessary to proceed to the replacement of the cartridges by following a very simple and fast procedure.

? What are the falls detected by the system?

The «Electronic Airbag System» technology developed by HELITE provides 360° protection.

The falls detected by the system are of two types:

- Collision with an obstacle (vehicle, wall, pole ...) from the front, side or rear;
- Loss of control of the motorcycle: low side or high side slide.

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