

## TECHNICAL DATA SHEET – HELMET, MODEL G-FORCE



The images contained in this document are purely indicative and may not fully reflect the characteristics of the product.

### GENERAL CHARACTERISTICS

The new G-Force model has been specifically designed to protect the health of helicopter pilots who, having to wear the helmet for many hours a day, suffer from its weight, risking compromising their health. The helmet in question presents itself as a solution to these problems, as its carbon fiber composition makes it extremely lightweight. Designed to bring the center of gravity forward, the helmet does not need counterweights in case night vision goggles are used, further reducing the weight on the wearer's neck.

It is EN966:2012+A1:2012 certified, the only European aeronautical certification, which ensures protection on board the aircraft.

### HELMET SHELL

The required helmet is made of carbon composite fibers, through an innovative technology using autoclave-laminated prepreg composite materials.

The helmet can be customized with logos, names, etc., according to various needs, and with honeycomb reflective stickers to ensure better visibility even in low-visibility environments.



**NVolo di Di Giulio Alessandra**  
Via delle Fornacette n.53  
55012 San Gennaro - Capannori – Lucca  
Cell. +39 349 6067112  
P.iva 02488990462 C.F. DGLLSN81E42E715W  
SDI SU9YNJA

## VISOR AND VISOR COVER SYSTEMS

It is equipped with a double visor, available in different colors: clear, smoke, orange.

Both visors are independent and can be operated with one hand from either side of the helmet, right or left, thanks to the presence of an innovative double mechanism. On the sides, in fact, there is a wheel that operates the outer visor, and a lever that operates the inner one.

The visors are protected by a visor cover when retracted; the visor cover, in addition to having a protective function, can be used for the installation of lamps or night vision goggles (NVG). Thanks to the two available visor cover models, NVGs can be installed directly on them or via a quick-release adapter. The use of counterweights is not necessary, as the shape of the helmet is designed to compensate for the weight of night vision goggles without the aid of accessories.

## ACCESSORIES

### *Sizes*

To ensure the best performance of the G-Force helmet, it is very important to find the perfect size and fit; to do so, it is necessary to combine polystyrene, internal padding, and cheek pads.

Two shell sizes are available: small (for sizes XS to L) and large (for sizes XL to XXXL). The internal polystyrene shell is then available in 3 sizes: small, for sizes XS and S; large, for M and L; and one size for the large outer shell, thus from XL to XXXL.

The exact sizes are achieved by replacing the internal padding, which is removable and washable.

In combination, the cheek padding can also be replaced to achieve a perfect fit.

### *Various Accessories*

The helmet is equipped with an adjustable quick-release chinstrap.

The helmet has ventilation holes protected with anti-intrusion mesh to prevent the entry of debris. A cover can also be installed to prevent water from entering through the holes, which is especially useful in the case of winch operators, who work exposed to weather elements.

The helmet is compatible with our maxillofacial protection systems and with the oxygen mask.

## COMMUNICATION SYSTEMS

The helmet is compatible with various radio systems and can be equipped with integrated NVolo



**NVolo di Di Giulio Alessandra**  
Via delle Fornacette n.53  
55012 San Gennaro - Capannori – Lucca  
Cell. +39 349 6067112  
P.iva 02488990462 C.F. DGLLSN81E42E715W  
SDI SU9YNJA

Helicom or NVolo Helicom BT headsets (with integrated Bluetooth system).

Thanks to its composition, which includes an intermediate polystyrene layer between the carbon shell and the padding, the helmet is highly soundproofed, allowing for clear and crisp communications by reducing ambient noise.

The headsets are equipped with 300 Ohm speakers, electret and/or 5 Ohm dynamic microphone, automatic or manual impedance switch (with H/L impedance selector in the manual version), metal boom or metaflex boom, coiled or straight cable with NATO U/174 connector, and volume control on the helmet shell.

**Certifications:** EN966:2012+A1:2012

**Materials:** Carbon fiber