

USER'S MANUAL

ENG



TFX Full face helmet complies to the Helmet and visor Standard:

EN966: 2012 + A1: 2012

Helmet for airborne sports Category HPG - Helmets for paragliding and hang gliding

EN ISO 16321-1:2022

Eye and face protection for occupational use

European Regulation (EU) 2016/425

PRODUCT CERTIFICATED BY:

Notified Body n°0426

ITALCERT

Viale Sarca, 336 - 20126 Milan (MI) – Italy

Helmet certified according to Regulation (EU) 2016/425

MANUFACTURER:



www.tonfly.com

Tonfly s.r.o.

Cintorinska 29/18

958 03 PARTIZANSKE - SLOVAKIA (EU)

WARNINGS:

GENERAL INFORMATION

The protection given by a helmet and visor depends on the circumstances of the accident and wearing a helmet cannot always prevent death or long term disability.

A proportion of the energy of an impact is absorbed by the helmet, thereby reducing the force of the blow sustained by the head. The structure of the helmet may be damaged in absorbing this energy and any helmet that sustains a severe blow needs to be replaced even if damage is not apparent.

To achieve the performance of which it is capable, and to ensure stability on the head, a helmet should be as closely fitting as possible consistent with comfort. In use it is essential that the helmet is securely fastened, with any chin strap under tension at all times.

Please read the instruction manual carefully.

Ignoring these instructions may reduce the protection which your helmet is designed to provide.

The helmet's level of protection is only ensured if it includes all of its original components.

Thus, any modification of the product or the removal of one of the original components will cause non-conformity of the delivered material.

Warning: "Protectors (helmet or/and visor) that have been subject to impact shall not be used and shall be discarded and replaced."

Warning: "The helmet and visor must be used together and in the position of use, to provide the indicated protections"

- Never fly without a helmet

Life is too important to risk losing it due to a senseless omission.

- Ensure that the helmet you are using has EN 966 or XP S72-600 certifications

- TFX helmet was manufactured in accordance with specific strict standards:

XP S72-600 Standard 08.2018

EN966: 2012 + A1: 2012

EN ISO 16321-1:2022

- Never trust a helmet without any EN 966 or XP S72-600 certification label

- We always recommend flying with a full-face helmet

A full-face helmet provides the best possible protection.

- Never modify your helmet for any reason

- Handle your helmet and visor with great care.

- Never allow your helmet to fall to the ground

- Always make sure that the helmet's chin strap is properly fastened

- In case of an accident, even if it is just a minor impact and there is no visible damage, the helmet must be replaced

TFX helmet was tested in accordance with XP S 72-600 Standard for Skydiving and Windtunnel

This helmet meets the basic health and safety requirements. This standard concentrates on Skydiving and Windtunnel properties, which includes shock protection, reduction of defects and the ability to remove the helmet under stress.

TFX helmet and visor was also certificated in accordance with EN 966:2012+A1:2012 and EN ISO 16321-1:2022 standard by the Regulation (EU)2016/425. The helmets and visor are tested and checked in accordance with this standard.

The TFX FULLFACE helmet is intended to protect against possible mechanical risks that may be encountered during the practice of airborne sports, such as protecting the head from possible impact and/or penetrations and protects the eyes and face against minor impacts, such as insects that may come into contact with the visor..

HELMET USE AND CORRECT FIT

To ensure maximum safety, it is important that your helmet is used with the chinbar and the visor in position of use.

To ensure maximum safety, it is important that your helmet is well fitted and comfortable.

It shouldn't be neither too loose and wobble around on your head, neither too tight and press against your forehead or temples, in an uncomfortable way.

A helmet that is too loose may lead to several situations: it will move around and up and down on your head, it could slide and cover your eyes or turn to the sides, when you least want it to.

It can be noisy and let in wind; worst of all, it may come off in a crash.

Always make sure that the fastening system (strap) is well fastened and holds the helmet firmly on your head.

The helmet must not be used for other types of sports.

Note: "This protector is appropriate for the headform 1-M."



How to open the Chin Bar

The Chin Bar opens by pushing the button down with your index finger as you lift up the chin bar with your thumb.



How to open the Visor

The visor opens by pushing the hook out and up with your thumb.

How to properly fit TFX helmet



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Wear the helmet by grabbing it by its inner sides and extend them slightly

Make sure that the fastening system (straps) is firmly attached

Adapt the helmet on your head

Slide the chinbar down until you hear a click noise

(Fig. 1)

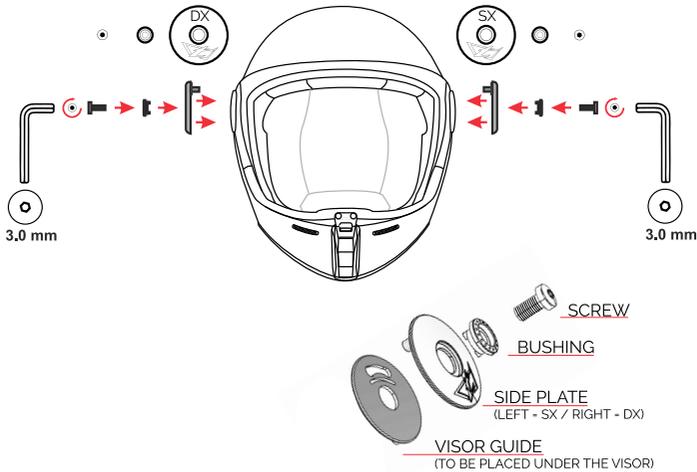
(Fig. 2)

(Fig. 3)

(Fig. 4)

The helmet must be worn so that it does not expose your forehead and does not push uncomfortably against the nape of your neck.

HELMET COMPONENTS FOR VISOR REPLACEMENT



HELMET AND VISOR CARE AND MAINTENANCE

High temperatures, such as those typically found in a car exposed to direct sunlight, may deteriorate the helmet's condition over time.

Any changes made to the helmet or visor, in particular any application of paints, adhesives or any use of detergents, chemicals or solvents, may damage the helmet and reduce the level of protection.

Clean your helmet and visor with water, mild soap and using a soft and clean cloth before storing your helmet for extended time, it is necessary to clean it thoroughly.

Keep the helmet away from any source of heat or direct light, in its original packaging and at temperatures between -10°C and $+40^{\circ}\text{C}$.

When traveling, it is recommended that you protect your helmet using the original protective pouch and that you put the helmet and visor into the original box. Any strike or impact may damage the helmet even if it does not show any clear signs of damage.

A damaged helmet or visor comes with a reduced capacity to protect you from future impacts. For this reason, if you suspect any helmet of being damaged, you must replace it.

Even a well-maintained helmet or/and visor deteriorates over time and can no longer guarantee adequate protection, despite appearing to be in a good shape. It is therefore recommended to have it replaced after 5 years of use; it is recommended to contact Tonfly for evaluation.

Any cracks, loosening parts, deformations, chipping or colour changes represent substantial reasons to have the wear and tear of your helmet checked.

Helmets for children should be replaced when they no longer fit.

Dear customer,

Your TFX helmet is designed to ensure top performance both in high-speed freefall and in the wind tunnel. As with all technical equipment, it is essential to perform a general check before each use to ensure safety and optimal performance.

Standard checks before using your TFX helmet

1. CLEANING THE VISOR

Make sure the visor is perfectly clean before use. For the interior (where the anti-fog treatment is present), use an alcohol-based solution specifically designed for visors. If the exterior surface is particularly scratched, we recommend replacing the visor to maintain clear and safe vision.

2. REPLACING THE VISOR

For proper replacement, please consult the guide at the following link:

<https://www.youtube.com/watch?v=0pD6vVRjHKE>

3. WHEN REPLACING THE VISOR

Every time you replace the visor, you must also replace the black PVC washer on the special sideplate locking screw. This washer is essential: it prevents the screw from accidentally loosening due to vibrations generated by constant use.

4. CHECK PERIODICALLY THE SIDE PLATES SCREWS

Regularly check that the screw is tightened and free from abnormal loosening. If you notice any play or suspicious movement, replace immediately the PVC washers, whose purpose is precisely to prevent accidental loosening.

Team Tonfly



SOUND-REGULATION PADS

TFX helmet offers 2 internal pockets that can fit up to 2 audible altimeters, one of each side of the helmet, which are placed in correspondance of the ears.

Supplied with the helmet, you will find 2 sets of sound-regulation pads, each designed based on the helmet specific use.

Please install the noise-absorbing Pad (n.1), when using the helmet in the wind tunnel, after removing the audibles, to enhance the helmet acoustic protection.

When using the helmet for freefall and with audible altimeters installed, we recommend to place the insert Pads (n. 2), which are designed to let the acoustic signals be heard clearly



CHINSTRAP PROTECTION

The chinstrap protection is a padded lining made of a soft material that:

- Prevents irritation or skin abrasions, especially during prolonged use.
- Increases comfort under the chin.
- It can also help improve hygiene, being removable and washable.



The Fitting Inserts are the perfect way to fine tune the TFX helmet fitting to perfection. Their purpose is to maximize the stability of the helmet and to **move the CHIN AND NOSE closer or further away from the visor and the chinbar**, depending on each individual's need.

The Fitting Inserts will not change the size of the helmet, but rather finely adjust the fit to make it even more firm and stable on the head.

REAR

5mm thickness



FOR EXAMPLE, IF THE VISOR OR THE CHIN BAR FEELS TOO FURTHER AWAY

FRONT

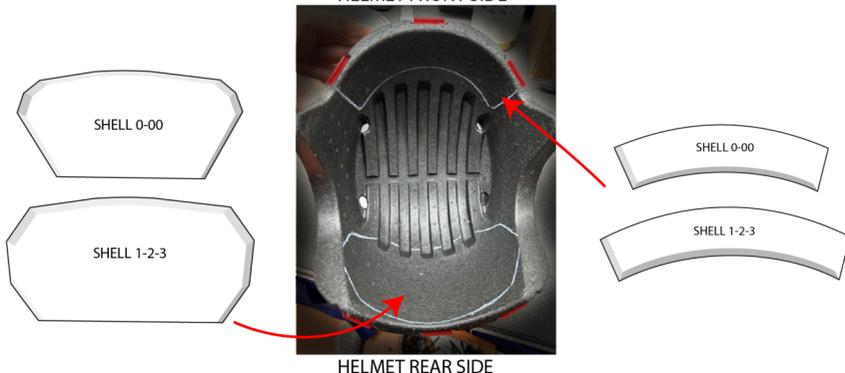
5mm thickness



FOR EXAMPLE, IF THE NOSE OR THE CHIN TOUCHES THE VISOR OR THE CHIN BAR

Made in EVA material, they are self-adhesive and developed to be easily attached directly on the shock absorbing EPS liner, under the helmet comfort paddings.

HELMET FRONT SIDE



CLEANING AND MAINTENANCE

In the long run, high temperatures, such as those inside a passenger car in the sun, may be detrimental to the helmet and visor.

Any changes made to the helmet, in particular application of paints, adhesives and the use of detergents, chemicals and solvents, can damage the helmet and reduce the level of protection. The helmet is cleaned using water, mild soap and a soft and clean cloth.

Before storing for a longer period of time, careful cleaning has to be carried out. Store the helmet at a great distance from sources of heat and direct light in original packaging at temperatures between -10°C and $+40^{\circ}\text{C}$.

Removable internal padding

The interiors of TFX FULLFACE (Center Pad and Cheek Pad) can be easily removed to be washed and/or replaced.

CENTER PAD

The center pad is fixed to the inside lining of the helmet by means of the 2 strips one on the front and one on the back.

CHEEK PAD

The cheek pad is fixed to the inside lining of the helmet by means of the four automatic buttons two on each side of the pad.

Packaging for transportation.

When travelling it is recommended to pack the helmet into the original protective bag and to put inside the original box

MARKING

HELMET MARKING

For this marking, check under the comfort padding.

MODEL DESIGNATION: - Category according EN966: HPG Helmet for airborne sports - HPG Helmet for paragliding and hang gliding use	CERTIFICATION: 
MANUFACTURER: TONFLY s.r.o. MODEL NAME: TFX FULL FACE	MONTH AND YEAR OF MANUFACTURE: 06/2023
Applied Standards: EN966:2012 +A1:2012	SERIAL NUMBER: 00001
WEIGHT OF THE HELMET: 950 g +/- 50 g	HELMET SIZE IN CM: L- 59/60

Model Designation - destination of use of the helmet and category

Category "HPG" - Helmets for paragliding and hang gliding

Manufacturer TONFLY s.r.o. - Name of the manufacturer of the helmet

EN966:2012 +A1:2012 - Reference standard applied

XP S72-600 08.2018 - Reference standard applied

Helmet size - Size of the helmet in cm

Weight - Helmet weight

06/2023 - Month and year of the manufacture of the helmet

CE - CE Marking according to Regulation (EU) 2016/425

00001 - Serial number of the helmet

For this marking, check under the comfort padding.

MODEL DESIGNATION: - Standard XP S72-600 08.2018 For indoor and outdoor flying (Skydiving).	
MANUFACTURER: TONFLY s.r.o. MODEL NAME: TFX FULL FACE	MONTH AND YEAR OF MANUFACTURE: 06/2023
Applied Standards: XP S72-600 08.2018	SERIAL NUMBER: 00001
WEIGHT OF THE HELMET: 950 g +/- 50 g	HELMET SIZE IN CM: L- 59/60

Model Designation = destination of use of the helmet and category

Category "HPG" = Helmets for paragliding and hang gliding

Manufacturer TONFLY s.r.o. = Name of the manufacturer of the helmet

EN966:2012 +A1:2012 = Reference standard applied

XP S72-600 08.2018 = Reference standard applied

Helmet size = Size of the helmet in cm

Weight = Helmet weight

06/2023 = Month and year of the manufacture of the helmet

CE = CE Marking according to Regulation (EU) 2016/425

00001 = Serial number of the helmet

For this marking, check under the comfort padding.

WARNING:

The helmet shall only be used in combination with the attachment(s)

WARNING

If the helmet has accessories, check that they are correctly fitted before use.

For this marking, check under the comfort padding.

WARNING:

The shell of the helmet can be adversely affected by contact with hydrocarbons, cleaning fluids, paints, transfers or other extraneous additions.

For this marking, check under the comfort padding.

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958 03 PARTIZANSKE
SLOVAKIA

For this marking, check the back of the helmet.

SIZE: M-56/57	WEIGHT: 700g
XP S72-600 08.2018 EN966: 2012 + A1: 2012	

EN966:2012 +A1:2012 = Reference standard applied

XP S72-600 08.2018 = Reference standard applied

Size = Size of the helmet in cm

Weight = Helmet weight

VISOR MARKING

For this marking, check on the visor



Tonfly s.r.o. = Name of the manufacturer of the helmet

16321 = Reference standard applied (EN ISO 16321-1:2022) – Basic use, Basic impact level.

TFX FULLFACE = protector model identification

CE = CE Marking according to Regulation (EU) 2016/425

DECLARATION OF CONFORMITY

To get a copy of the EU Declaration of Conformity of this device, visit the website www.Tonfly.com



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