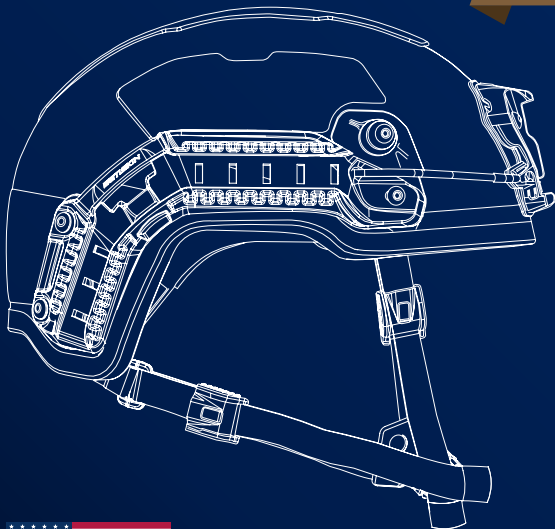


COMBAT HELMET

# BATLSKIN hellbender™ FE



## HELLBENDER FE

HEAD PROTECTION SYSTEM

## INSTRUCTION GUIDE

# BATLSKIN HELLBENDER HEAD PROTECTION SYSTEM

**TO THE AGENT** – No matter the pace, the obstacles, or the environment, your command wants you to have full-spectrum protection for your mission. The Hellbender system combines the performance of the U.S. Army's Advanced Combat Helmet (ACH) with an enhanced shell geometry. Offering increased structural rigidity and improved impact protection.

**GALVION. EMPOWER YOUR MISSION.**

**HAVE QUESTIONS OR COMMENTS? CONTACT THE PROJECT TEAM.**

**1-866-713-0406 | [CUSTOMERCARE@GALVION.COM](mailto:CUSTOMERCARE@GALVION.COM) | [GALVION.COM](http://GALVION.COM)**

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**PLEASE BE SURE TO READ ALL INSTRUCTIONS AND FOLLOW ALL WARNINGS. POOR SET-UP AND ADJUSTMENT MAY COMPROMISE THE SYSTEM'S ABILITY TO PROVIDE THE PROTECTION THAT IT IS DESIGNED TO DELIVER DURING A BLUNT FORCE OR BALLISTIC IMPACT.**

# CONTENTS

This manual provides information regarding the components of your Batlskin Hellbender Head Protection System. The Hellbender helmet system offers a range of adjustments to ensure the user can find the best balance between comfort, fit, stability, protection and operational capability. It is important to follow the instructions regarding the adjustment of your head protection system. Poor adjustment and over tightening of the hardware may compromise the system's ability to provide the protection it is designed to deliver.

| HELMET ANATOMY    |   | FIT & CUSTOMIZATION        |    | ACCESSORY COMPATIBILITY |    |
|-------------------|---|----------------------------|----|-------------------------|----|
| Hellbender Helmet | 4 | Sizing                     | 6  | HED Integration (Band)  | 12 |
| APEX Liner        | 5 | How to measure head size   | 6  | HED Integration (Rail)  | 13 |
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## HELLBENDER HELMET



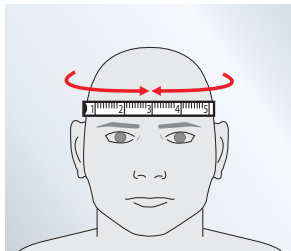
## APEX LINER



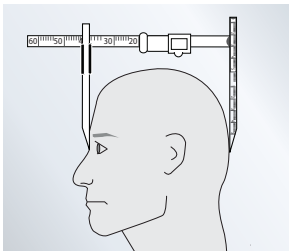
## SIZING - HOW TO MEASURE HEAD SIZE

User will obtain the most accurate head measurements using a caliper for length and width and a tape measure for circumference.

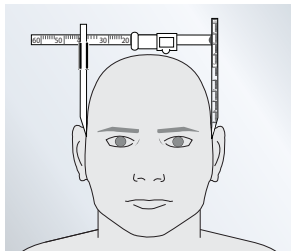
Evaluate size while wearing the typical, everyday headwear, hairstyle, head coverings, etc., worn with helmet.



Using a measuring tape at approximately  $\frac{1}{2}$ " above eyebrows and ears, measure head **CIRCUMFERENCE**.



In the absence of a caliper, use 2 pencils. Hold one pencil between eyebrows and one at the back of head. An extra set of hands is important to ensure pencils are straight. Measure distance between pencils - this is the **LENGTH** measurement.



In the absence of a caliper, use 2 pencils. Hold one pencil at either side of head above ears. An extra set of hands is important to ensure pencils are straight. Measure distance between pencils - this is the **WIDTH** measurement.

## SIZING - HELMET

### THICK COMFORT PADS AVAILABLE

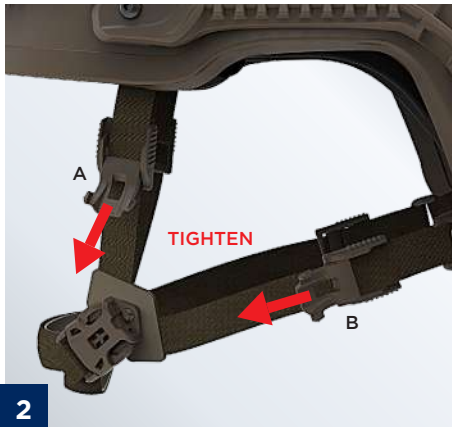
- Head circumference is the best predictor of helmet size – start there and refine using length and width measurements as needed.
- Be sure to also evaluate fit and stability with additional equipment (headset, cold weather gear, eye protection, etc.) as these will all affect the amount of space needed in helmet.
- With use over time, liners become worn in, compressed or stretched, and helmet may feel larger. Be sure that the helmet fits snugly when trying on with a new liner system.

| SIZING CHART      |      | CIRCUMFERENCE                       | LENGTH                            | WIDTH                             |
|-------------------|------|-------------------------------------|-----------------------------------|-----------------------------------|
| SMALL/<br>MEDIUM  | inch | 20 $\frac{7}{8}$ - 23 $\frac{1}{4}$ | 6 $\frac{1}{2}$ - 7 $\frac{7}{8}$ | 5 $\frac{1}{2}$ - 6 $\frac{1}{2}$ |
|                   | mm   | 530 - 590                           | 165 - 200                         | 135 - 165                         |
| LARGE/<br>X-LARGE | inch | 22 - 24 $\frac{1}{4}$               | 7 $\frac{5}{8}$ - 8 $\frac{1}{2}$ | 5 $\frac{1}{2}$ - 6 $\frac{3}{4}$ |
|                   | mm   | 560 - 615                           | 195 - 215                         | 140 - 170                         |

## ADJUSTING RETENTION SYSTEM



1 Buckle chinstrap.



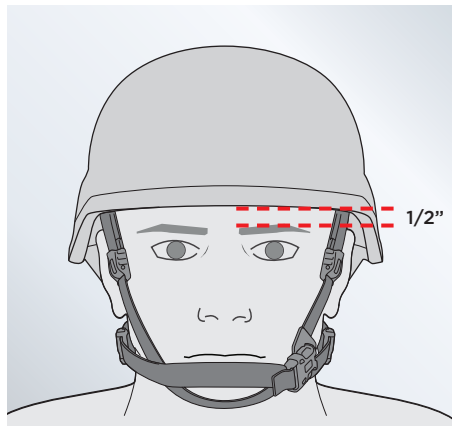
2 Users may find it easier to adjust tensioners on both left and right side of harness at the same time.

- A.** Unlock front tensioners and tighten as needed. Lock in place.
- B.** Unlock rear tensioners and tighten as needed. Lock in place.



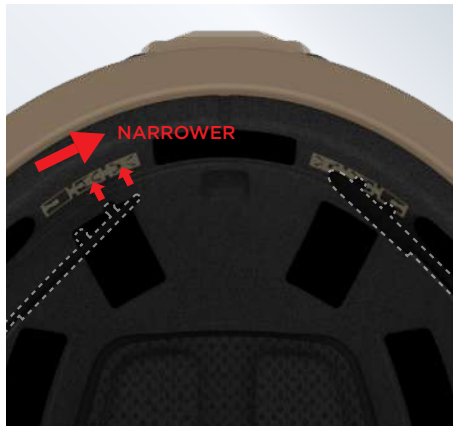


Tighten fitband by turning the dial clockwise.



When properly adjusted, helmet should sit  $\frac{1}{2}$ " above the brow.

## ADJUSTING FITBAND SYSTEM



Remove front comfort pad.  
Adjust fitband arm posts for best balance between comfort, fit and stability.



Nape pad should rest at the base of skull.  
Adjust for best balance between comfort, fit and stability.

## CUSTOMIZING HELMET FIT - THICK COMFORT PAD SET



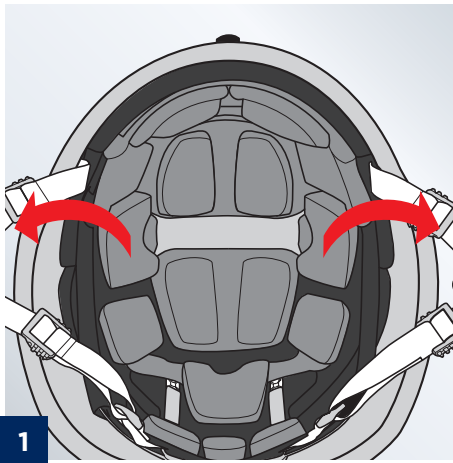
Additional Comfort pad set is available with each helmet for the user to customize their fit.

To install padding, detach the current comfort pad and align the thick pad in the correct location. Press down firmly until the hook & loop engages

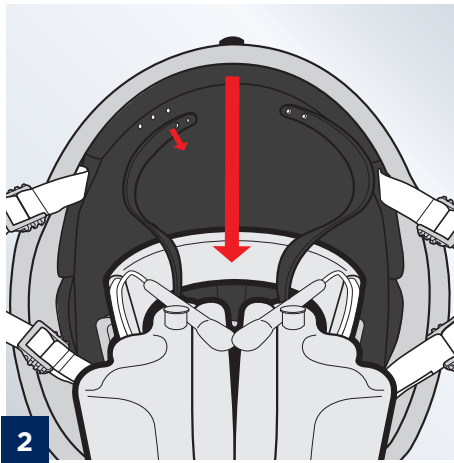
- 1x front and 1x rear padding: Those with shorter head length may benefit from thick rear or front pads
- 2x side padding: Those with narrower heads may benefit from thick side padding
- 2x crown padding: Those with shorter head height may benefit from thick crown padding

**THERE IS A 1/4" DIFFERENCE BETWEEN THE STANDARD & THICK PADS**

## HED INTEGRATION (BAND)



Remove side comfort pads if needed, to make space for the headset band.



(OPTIONAL) To make helmet and headset a single unit: Remove front comfort pads, and weave headset through fitband arms. Re-attach fitband arms, re-install front comfort pads.

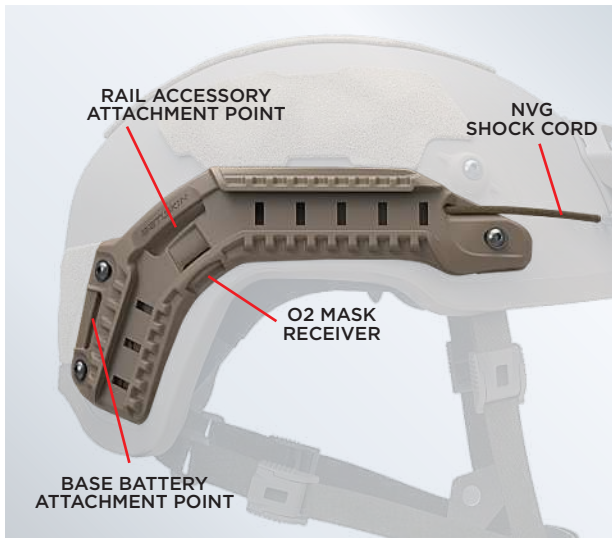
**HED: HEARING ENHANCEMENT DEVICE**

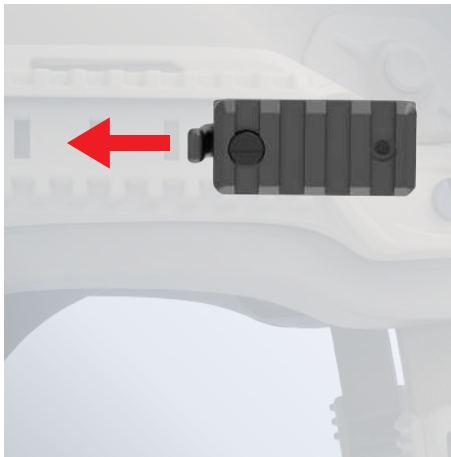
## HED INTEGRATION (RAIL)



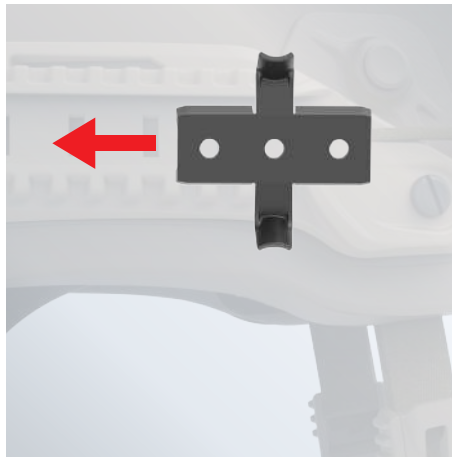
Slide adapter into desired position. Store cup-to-cup wire in helmet cover or inside helmet as desired.

## SIDE RAILS



**PICATINNY RAIL ADAPTER**

Squeeze the end tab and slide the adapter onto rail channel tab-first. Once in the preferred position, release the tab and tighten the screw to secure the adapter in place.

**CROSS BASE RAIL ADAPTER**

Attach the desired accessory onto the rail adapter. Tighten screws provided with the accessory to secure it in place. Pinch the tabs on either side of the adapter and slide onto rail. Release the tabs when in the preferred position.

## EXTERNAL LOOP

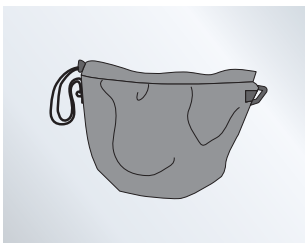




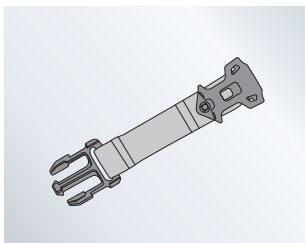
## ADDITIONAL ACCESSORIES



**MAX VISOR**



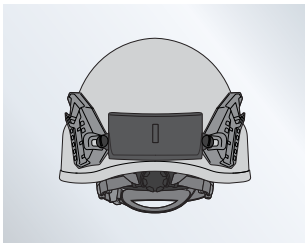
**HELMET BAG**



**CBRN EXTENDER**



**O2 STRAP EXTENDER**



**COUNTERWEIGHT**

# CARE & SUPPORT

## GENERAL CARE

Written instructions on the proper set-up and use of the helmet and all submitted accessories.

**IF ANY COMPONENT OF THE HELMET SYSTEM IS CRACKED, DENTED, WORN, FRAYED OR OTHERWISE DAMAGED, REPLACE COMPONENT IMMEDIATELY.**

**RECOMMEND CHANGE OF COMFORT PADS AFTER SIX MONTHS OF CONTINUED USE.**

## RECOMMENDED MAINTENANCE: ALL USERS

1. Clean the helmet with a mild soap and water
2. Check that the retention system bolts are tight
3. Clean the Loop to remove dust and dirt by using air pressure
4. Visually check the shroud and rails for signs of breakage
5. Visually check the fit band for signs of breakage
6. Check that the rear dial on the fit band works properly
7. Check that the retention system does not have any damage, that the buckle and strap tensioners open and close properly

## AFTER EXPOSURE TO SALT WATER

Rinse all components, including metal, with fresh water.

## TOOLS

2.5mm HEX: Tools used for all Rails, NVG Shroud

## SUPPORT

For any support related to your helmet, including replacement parts, accessories, warranties and general product information, please reach out to our team.

## HAVE QUESTIONS OR COMMENTS? CONTACT THE PROJECT TEAM.

## AGENT NOTES

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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