

# NOVASTEEL HELMET

# NSGH



HELMET OPERATOR'S MANUAL



ADEPT



**All helmets include:**  
Honeycomb-core Pads  
Ultralite retention system

**Some helmets include:**  
Combat circlet  
Ventail



# SETUP

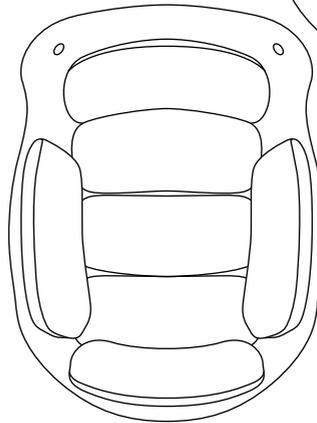
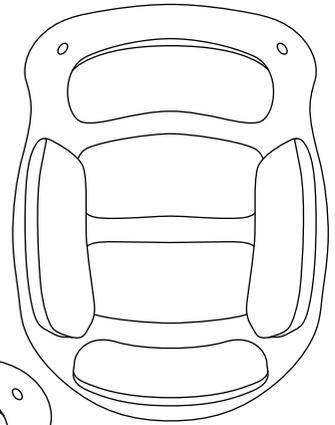
1. Install pads.
  2. Affix Circlet (optional)
  3. Install and calibrate retention system.
  4. Ensure proper helmet height and alignment.
  5. Install Ventail (optional)
  6. Tighten all screws.
- Your helmet is ready for use!

## 1. INSTALL PADS.

### Honeycomb-Core Pads:

Recommended pad placement is illustrated in the pictures to the right.

Size M/L, six pad



Size L/XL, seven pad

The pads that come with the Novasteel helmet are of a particularly advanced and patent-pending design. They contain an aluminum honeycomb base layer. Aluminum honeycomb is a considerably more effective energy-absorbing material than all known polymer foams, and our honeycomb-core pads therefore out-perform traditional helmet pads.

Like hard foams such as EPS (styrofoam) and EPP, aluminum honeycomb is a relatively fragile material, and can be damaged if subjected to rough handling. **Please do not fold, twist, or crush helmet pads.**

The helmet pads may need to be "broken-in" upon installation, where they're bent to fit the shell, and some pressure is applied. This is normal and recommended.

# 2. INSTALL AND CALIBRATE RETENTION SYSTEM

## Ultralite retention system:

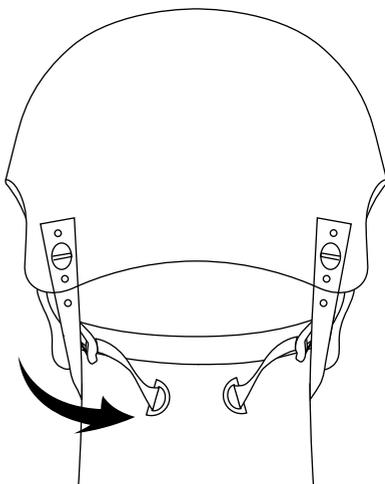
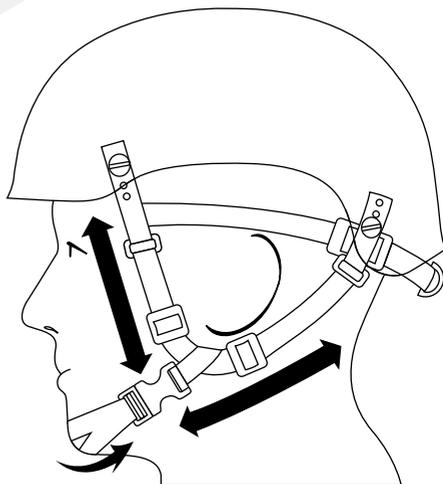
The retention system of your helmet is built to ensure a close, custom fit. At the same time, it was built to be as light as possible.

Just like sighting-in a rifle, fine-tuning the retention system generally requires some time and care. See the image to the side, just note that the tightening strap should be well above the ear.

Position the helmet on your head so that it sits low on your forehead; if you can't see the edge of the brim at the extreme upper range of your vision, the helmet is probably out of place. Adjust the retention system so that when in use, it will hold the helmet firmly in place. You may need to remove the retention system to modify strap lengths, or modify the retention system's attachment-point to the shell. This positioning and adjusting should be repeated to obtain the very best result possible. The procedure initially may be time consuming. **Take the time.** Try to remove the helmet without undoing the retention system closures. If the helmet comes off or shifts over your eyes, readjust and try again. If no adjustment seems to work, please email Adept Armor.

**Note that the straps should not be too tight, nor should they hang loose.**

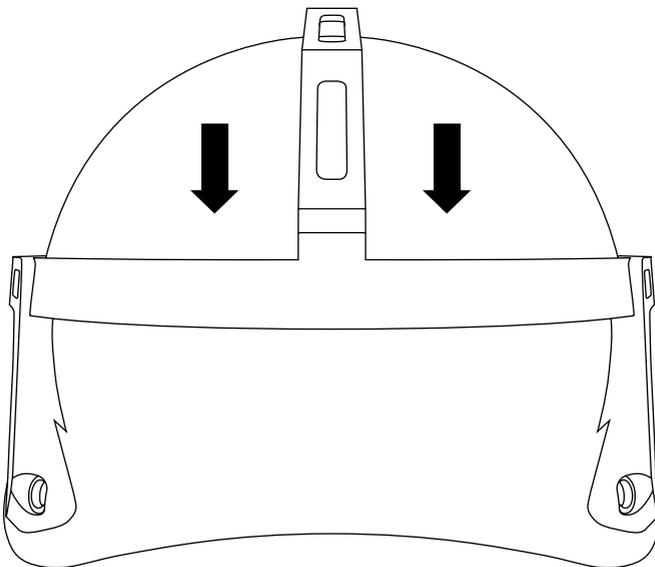
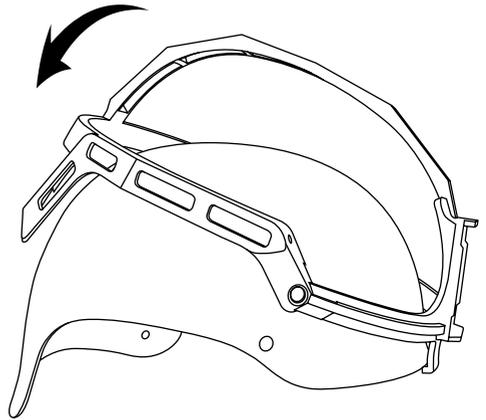
The chinstrap can, alternatively, be worn in a "traditional" manner -- below the chin rather than over it.



This traditional configuration, though slightly less stable if the helmet is loaded with accessories, may be more comfortable for long periods of wear. This configuration is generally recommended for use with the ventail or other facial protection.

# 3. INSTALL CIRCLET

- 1) Remove screws and retention system, if installed.
- 2) Install bungee cords onto the circlet if applicable.
- 3) Install circlet from the front, first hooking the front latch onto the helmet edge, and then lowering the circlet onto the helmet shell.
- 4) Install and tighten front screws.
- 5) Push circlet down from rear structural bar, so that the holes on the circlet's rear legs, and on the rear of the helmet shell, line up. Do not push or pull rear legs forcefully.
- 6) Install and tighten rear screws.



# 4. ■ INSTALL BALLISTIC MANDIBLE

1) After installing the circllet, remove the two screws at the front of the helmet.

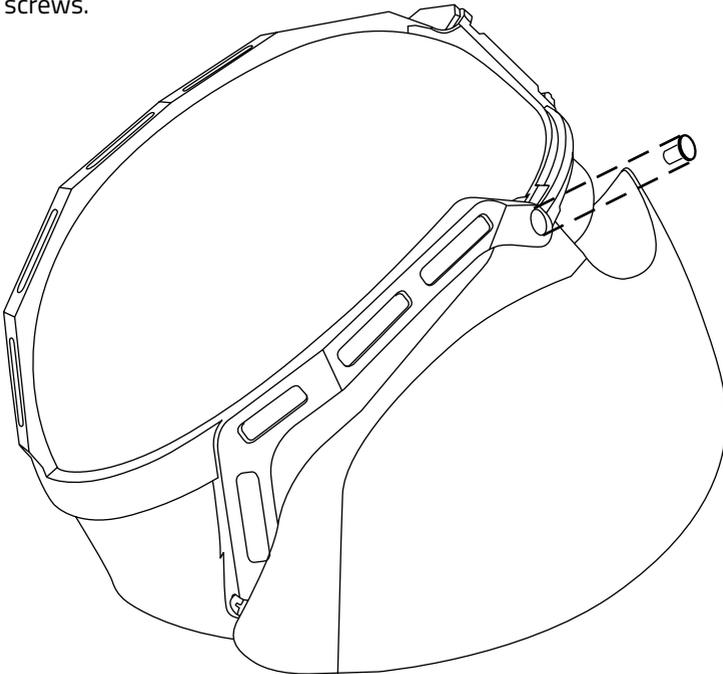
2) Slot the mandible into place, over the two front bolt-holes, over the exterior of the helmet shell, and under the circllet. Install front screws -- through circllet, mandible, shell, and retention system -- after ensuring that the hardware you are using is the correct length. Do not fully tighten.

3) Remove the two screws on the rear of the helmet.

4) Slot the mandible into place over the two rear bolt-holes, under the circllet. Install rear screws.

5) Ensure that retention system is properly adjusted, and tighten all screws.

Note: To install the ballistic mandible without the circllet, first install and adjust the retention system, then remove the front two screws, replace them with longer screws and washers, and then fasten the mandible to the helmet exterior with the new hardware. Repeat at the rear of the helmet. Generally, the mandible is installed front to back.



# 5 SHELL/WARNING

## Shell:

The Novasteel helmet has been carefully heat-treated. Prolonged exposure to high heat -- in excess of 200°F -- may weaken the helmet.

This helmet is VPAM-3 rated, and is compliant with the ACH Gen II ballistic specification. It will stop 9mm FMJ handgun rounds, traveling at 1450 fps, with low shell deformation and minimal transfer of residual kinetic energy.

It has been special-threat tested against the 7.62x25mm Tokarev, 5.7x28mm ball, and solid-copper 9mm handgun rounds.

## Warning:

This helmet provides limited protection for the head and does not offer any protection against neck, spinal, or certain types of brain injuries including those caused by rotational forces. Some hazards and ballistic threats -- including rifle threats -- can exceed this helmet's ability to provide protection and could cause severe head, brain, or spinal injuries including paralysis or death.

**This helmet is not intended for motor vehicle use.**



## Safety Checklist:

Inspect the helmet before each use. Make sure the shell, pads, plastic hardware, and retention system are not damaged, cracked, deformed, loose or showing signs of excessive wear. Make sure your helmet has not been exposed to excessive heat over 200°F. Replace your helmet pads if they are subjected to a significant impact since they could be damaged without showing any obvious signs of a problem. These instructions must be followed by all persons using or maintaining this helmet in order for it to perform as designed. Failure to do so could result in equipment malfunction, serious injury or death.

## Warranty:

The Novasteel helmet shell is warranted for (12) years from date of purchase against material defects and/or faulty workmanship.

All other components including the retention system, combat circlet, and pads, are warranted for (2) years from date of purchase against material defects and/or faulty workmanship.

The defective product must be returned to Adept Armor with proof of purchase and information describing the nature of the problem.