



FAST

CARBON AIRCREW

OPERATOR'S MANUAL



For FAST® Carbon Aircrew Helmet Systems

This product is covered by one or more patents.
For more information visit www.gentexcorp.com/patents

A15370-1

Gentex Corporation 324 Main Street Carbondale, PA 18407

© 2024 Gentex Corporation. Ops-Core is a registered trademark or Gentex Corporation or its affiliates.

ARC is a trademark of Gentex Corporation or its affiliates

TABLE OF CONTENTS

Introduction	4
Helmet System Components	5
Sizing Guide	6
Retention System Operation	7
Accessory Integration	8
Modular Bungee Shroud	9
PowerPath ARC Rails	10
Exterior Loop	11
Comms Headsets	12
Maintenance & Storage	13
Replacement Parts	14
Operator Notes	15
Warning & Warranty	19

INTRODUCTION

ABOUT YOUR OPS-CORE® FAST® CARBON AIRCREW HELMET SYSTEM

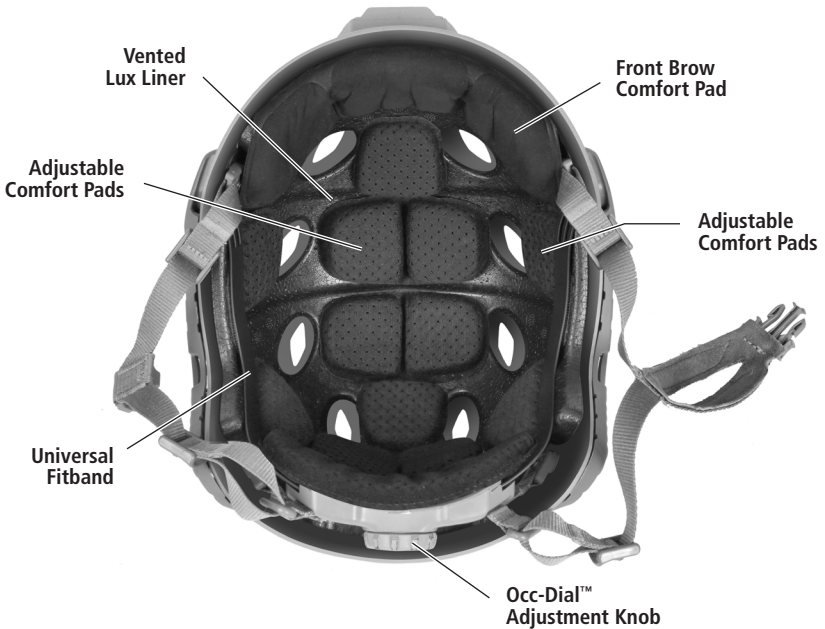
The Ops-Core FAST Carbon Aircrew Helmet System is an innovative and advanced headborne protection platform providing protection from blunt impact, and environmental threats. The FAST Helmet System seamlessly integrates with Ops-Core total headborne system solutions including situational awareness, optical, and respiratory protection.

SCAN THE CODE



LEARN MORE

HELMET SYSTEM COMPONENTS

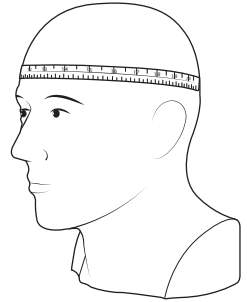


SIZING GUIDE

FAST helmets have been designed from the ground up to fit the largest group of users in helmet sizes that most closely match their heads. However, there is still a small percentage of users that will not fit our standard sizing configurations. Please use the sizing guide below to determine your helmet size and your chinstrap size.

HELMET SIZING GUIDE

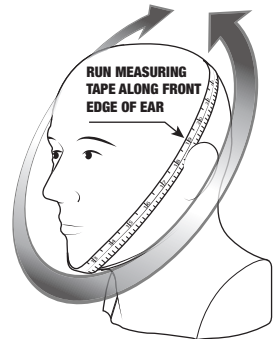
FAST HELMET SIZE	M	L	XL	XXL
Head Circumference (cm)	53 - 56	56 - 59	59 - 62	62 - 64.5
Head Circumference (in)	20 $\frac{3}{8}$ - 22	22 - 23 $\frac{1}{4}$	23 $\frac{1}{4}$ - 24 $\frac{3}{8}$	24 $\frac{3}{8}$ - 25 $\frac{3}{8}$
Head Size (US)	up to 7	up to 7 $\frac{3}{8}$	up to 7 $\frac{7}{8}$	up to 8 $\frac{1}{8}$



CHINSTRAP SIZING GUIDE

Certain head shapes may require a smaller or larger chinstrap than the one that comes with the helmet you selected. The sizing guide is provided for reference. If you feel a different chinstrap size is needed, contact Gentex customer service.

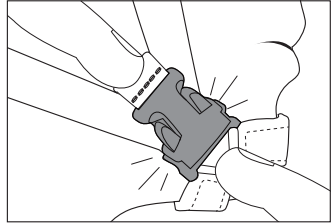
FAST HELMET SIZE	CHINSTRAP SIZE (in)
M	MEDIUM 24.5-27.5
L	LARGE 26-29
XL	X-LARGE 27.5-30.5
XXL	XX-LARGE 29-32.3



RETENTION SYSTEM OPERATION

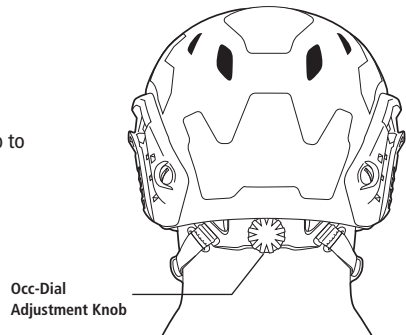
1 FASTEN THE CHINSTRAP

Put the helmet on and fasten the chinstrap buckle.



2 ADJUST THE OCC-DIAL

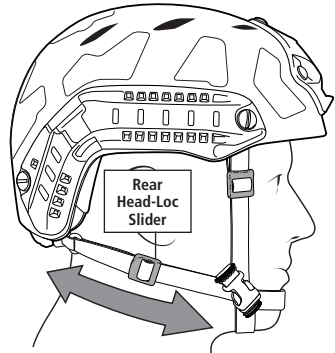
Use your thumb to rotate the Occ-Dial Adjustment Knob to tighten the fitband until it is comfortably snug.



3 ADJUST REAR HEAD-LOC SLIDERS

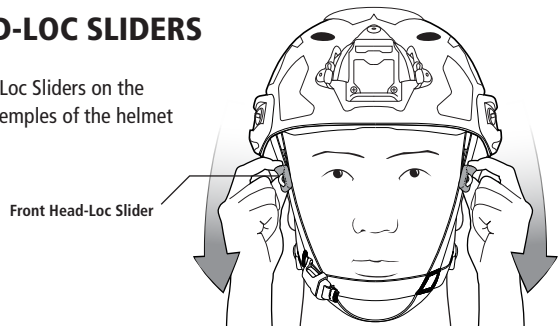
With both hands, pull the two Rear Head-Loc Sliders on the lower webbing straps toward your chin until snug.

NOTE: THE TECHNIQUE WORKS BEST IF YOU ONLY HOLD THE PLASTIC SLIDERS AND DON'T TOUCH THE WEBBING.



4 ADJUST FRONT HEAD-LOC SLIDERS

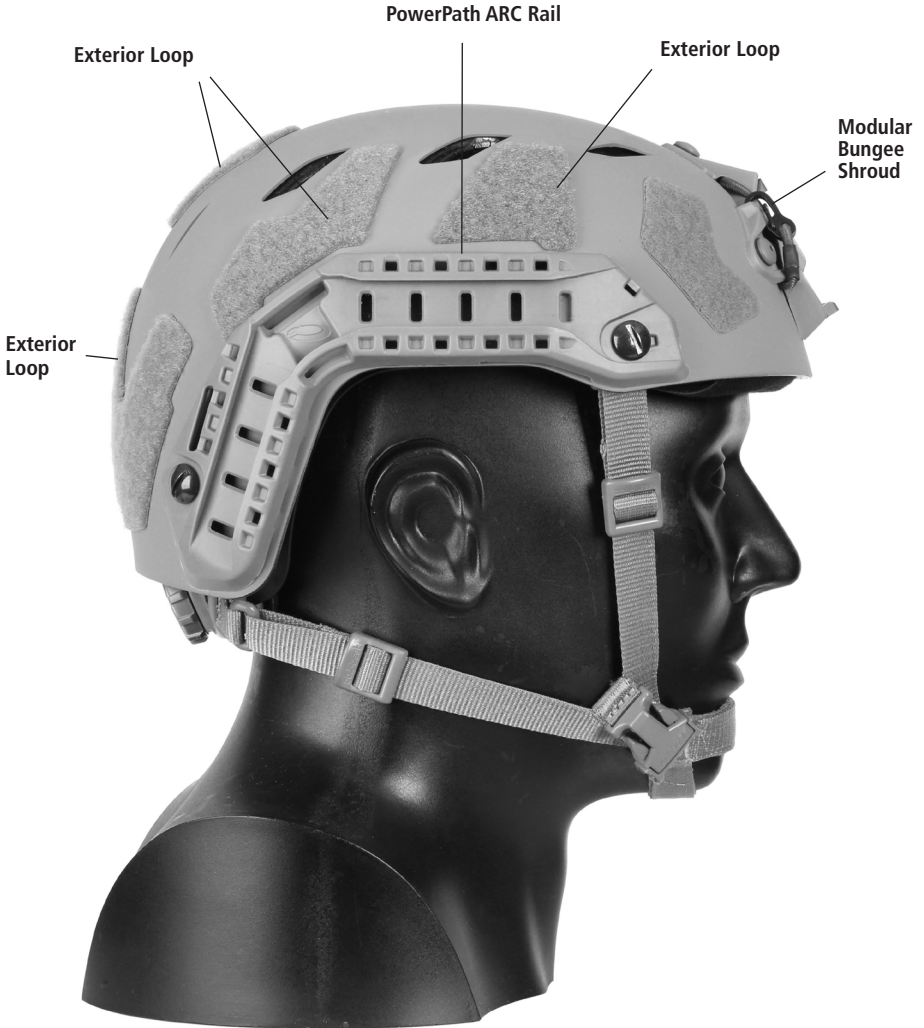
With both hands, pull the two Front Head-Loc Sliders on the webbing straps that come from the front temples of the helmet toward your chin until snug.



ACCESSORY INTEGRATION

ATTACHING ACCESSORIES TO THE HELMET

There are three ways of attaching accessories to the Ops-Core FAST Caron Aircrew Helmet: The Modular Bungee Shroud, PowerPath ARC Rails and Exterior Loop. These three components provide convenient and secure ways to quickly attach and detach various accessories to different positions.



MODULAR BUNGEE SHROUD

ABOUT THE MODULAR BUNGEE SHROUD

The Modular Bungee Shroud (MBS) mounts to Ops-Core FAST Carbon Aircrew helmet using the standard 3-hole pattern. The MBS has an integrated Night Vision Goggle (NVG) bungee that does not interfere with any other accessories, providing a low profile option for stabilizing NVGs. The MBS also has a removable metal insert that can be swapped out to provide different mounting solutions without completely removing the shroud from the helmet.

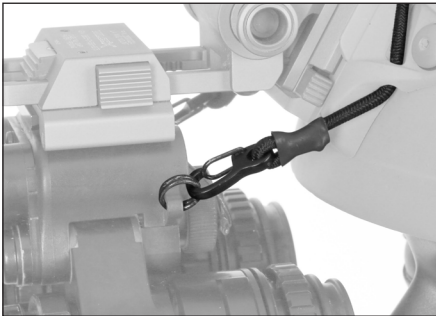


ATTACHING STABILIZING BUNGEEES TO NVGS

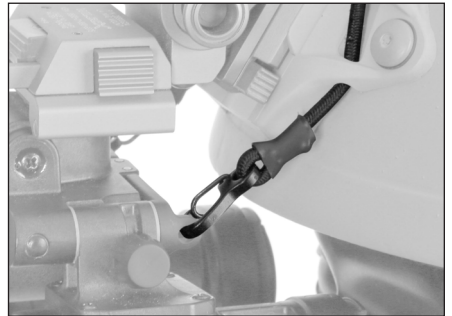
Some NVGs may require the use of the Split Rings to attach the carabiner bungee clips.



Split Rings



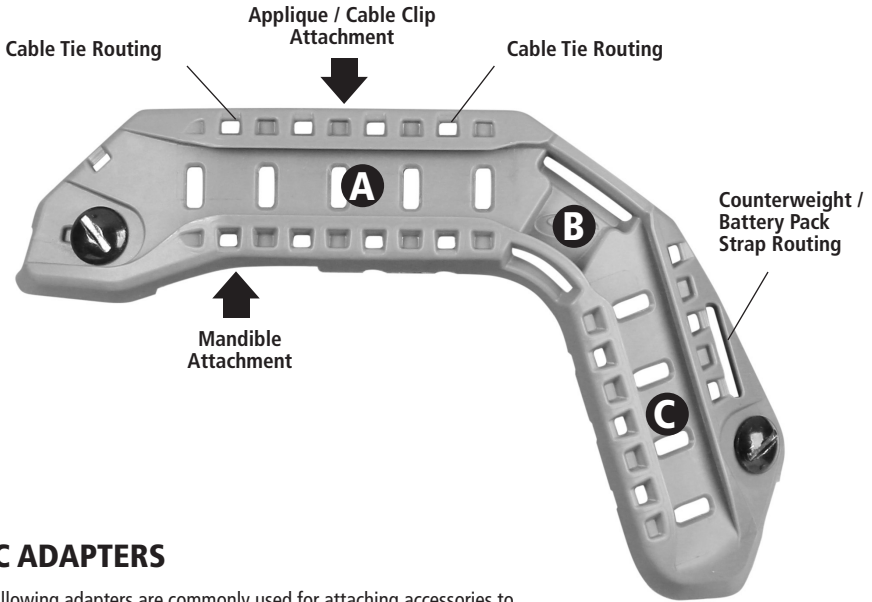
NVGs Attached with Split Rings



NVGs Attached without Split Rings

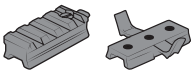
POWERPATH ARC RAILS

PowerPath ARC Rails are mounted to the sides of the helmet to allow for quick yet secure donning or doffing of various headborne accessories.

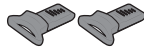


ARC ADAPTERS

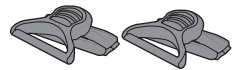
The following adapters are commonly used for attaching accessories to the FAST Helmet: Picatinny & Wing-Loc Adapters (A), O2 Single Strap Kit (B), and 36mm Goggle Swivel Clip Kit (C).



Picatinny Adapter Wing-Loc Adapter



O2 Strap Kit (Not Included)



36mm Goggle Swivel Clips (Not Included)

A TOP RAIL

Top Rail can accommodate Picatinny Adapters, which connect devices compatible with 1911 Picatinny Rail, and Wing-Loc Adapters, which provide a base to mount a variety of headborne accessories.

B RAIL CORNER

Rail corner allows for instant and secure snap-in attachment of Para-Flite and Carleton O2 masks with O2 Single Strap Kit.

C BACK RAIL

Goggle Swivel Clips, attached to your choice of goggles, can quickly clip into the back rail while allowing freedom of rotation.

EXTERIOR LOOP

EXTERIOR LOOP ACCESSORY ATTACHMENT

Apply hook fastener to the bottom of a device and place device on top of the loop on the outside of the Ops-Core FAST Carbon Aircrew Helmet shell.



Side Exterior Loop



Rear Exterior Loop



Exterior Loop Top View

COMMs HEADSETS

COMMS HEADSET INTEGRATION

The Vented Lux Liner is compatible with a variety of COMMs headsets and hearing protection devices.



When using the helmet with a communications headset, remove the pads in the center channel of the Vented Lux Liner to allow room for the headset's headband.

NOTE: Some headsets (such as BOSE A20/A30) will not fit under the helmet and may be worn over the top of the FAST Carbon Aircrew Helmet. To do so, headband padding may need to be removed.



MAINTENANCE & STORAGE

BEFORE AND AFTER EACH USE

Perform the following recommended maintenance procedures before and after each use. If any defects are found, the damaged components should be must before use.

- ❶ Clean the helmet with a mild detergent and water.*
- ❷ Check that the chinstrap screws are tight using a flathead screwdriver.
- ❸ Clean the Exterior Loop for dust and dirt by using air pressure.
- ❹ Visually check the Modular Bungee Shroud and PowerPath ARC Rails for signs of breakage.
- ❺ Visually check the Fitband for signs of breakage.
- ❻ Check that the Occ-Dial Adjustment Knob works properly.
- ❼ Check that the chinstrap does not have any damage and that the buckle latches and releases properly.

*The whole helmet can be rinsed in fresh water.

STORAGE

The Ops-Core FAST Carbon Aircrew Helmet should be stored in the supplied helmet bag. Helmets will be packaged in B-flute corrugated cardboard during transport to the point of sale.

REPLACEMENT PARTS

Our team of dedicated customer service and support professionals is highly trained on all aspects of our products and is available to assist you with all your needs, including checking the status of your order, billing, warranties and returns, orders, replacement parts, and technical support.

Gentex Customer Service

(888) 894-1755

▲ 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 can exceed this helmet's specified ability to provide protection and could cause serious injuries or death. This helmet is made to absorb the energy of a blow by partial destruction or damage to the shell, liner and the harness, and even though such damage may not be readily apparent, any helmet subjected to severe impact should be replaced. This helmet is designed to help protect from bumps, scratches, and concussion. This helmet is not intended for use in white water classes 5 and 6 as given by the International Canoe Federation. For adequate protection this helmet must be fit and adjusted properly to the user.

Inspect the helmet before each use. Make sure the shell components are not damaged, cracked, deformed, loose or showing signs of excessive wear. Do not remove or alter the liner system or modify any or the original component parts of the helmet, other than as recommended by the helmet manufacturer. In the event of a liners removal, the manufacturer recommends the replacement of the liner. Helmets should not be adapted for the purpose of fitting attachments in any way not recommended by the helmet manufacturer. Do not apply paint, solvents, adhesives, or self-adhesive labels except in accordance with instructions from the manufacturer as they could degrade helmet integrity and resulting performance. Clean shell with soap and lukewarm water. Internal comfort pads may be hand washed and air dried.

WARRANTY

Unless an individual product is covered by a separately issued warranty, Gentex warrants that all ballistic helmet shells will be free from defects in material or workmanship under normal use and service for a period of five (5) years from the date of delivery. Unless an individual product is covered by a separately issued warranty, Gentex warrants that all helmet components, accessories, peripherals, and parts will be free from defects in material or workmanship under normal use and service for a period one (1) year from the date of delivery. All repair covered by this warranty shall be performed at Gentex's factory, or other such warranty repair facilities of Gentex as designated by Gentex unless Gentex specifically directs that repair services be performed at another location. Any defect corrected and found to be within this scope of the warranty will be repaired by Gentex and all charges for labor and material will be borne by Gentex. If it is determined that either no fault exists in Gentex, or the damage to be repaired was caused by negligence of the user, its agents, employees or customers, you agree to pay all charges associated with each such repair. No statement, recommendation or assistance made or offered by Gentex through its representatives to the user, its agents, employees, or customers in connection with the purpose or intended use of any Gentex's product shall be or constitute a waiver by Gentex of any of the provisions of this warranty or change Gentex's liability under this warranty.

EXCEPT WHERE PROHIBITED BY LAW, THE WARRANTY DESCRIBED ABOVE CONSTITUTES THE SOLE WARRANTY MADE BY GENTEX EITHER EXPRESSED OR IMPLIED. THERE ARE NO OTHER WARRANTIES EXPRESSED OR IMPLIED THAT EXTEND BEYOND THE FACE HEREOF, HEREIN, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL GENTEX BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES EVEN IF ADVISED OF SUCH DAMAGES, AND THE USER, ITS AGENTS, EMPLOYEES, OR CUSTOMERS REMEDIES SHALL BE LIMITED TO SOLELY TO THE REPAIR OR REPLACEMENT OF NONCONFORMING UNITS OR PARTS, WHICH AMOUNT SHALL NOT EXCEED THE TOTAL PURCHASE PRICE OF THE PRODUCT UNDER WARRANTY.

Any tampering, misuse or negligence in handling or use of the product renders the warranty void. Further, the warranty is void if, at any time, the user, its agents, employees or customers attempts to make any internal changes to any of the components of a product; if at any time the power supplied to any part of the product exceeds the rated tolerance; if any external device attached by the user, its agents, employees or customers creates conditions exceeding the tolerance of the product; or if any time the serial number plate is removed or defaced. OPERATION OF THE PRODUCTS THAT RENDERS THIS WARRANTY VOID WILL BE DEFINED TO INCLUDE ALL OF THE POSSIBILITIES DESCRIBED IN THIS SECTION, TOGETHER WITH ANY PRACTICE THAT RESULTS IN CONDITIONS EXCEEDING THE DESIGN TOLERANCE OF THE PRODUCTS.

DO NOT PRINT THIS PAGE

**FAST CARBON AIRCREW HELMET
OPERATOR'S MANUAL**

A15370-1

PRINTER NOTES

CLIENT:

Gentex Corporation

SIZE:

5.5" X 8.5" (finished)

COLORS:

1-clr (black/gray)

STOCK:

60# White Text

PAGES:

20 Pg Self-Cover

DATA:

High Res PDF file

PROOF:

PDF Softproof

PRINTING:

Double-Sided Booklet Print

FINISHING:

Saddle Stitch

DO NOT PRINT THIS PAGE