



EXFIL[®] CARBON

A.R.L.E.
APPLIED RESEARCH LABORATORY EUROPE BV
PERFORMANCE STANDARDS

ACH Blunt Impact (AR/PD10-02, 16Dec'13)
BS EN 1385:2012 (Whitewater)



REVOLVE™ TPU LINER



ZORBIUM® FOAM LINER



SIZING

SIZE 1

SIZE 2

Head Circumference (cm)

55–58

up to 63

Head Circumference (in)

21.5–23.0

up to 24.75

Hat Size (USA)

6 7/8–7 1/4

up to 7 7/8

COLORS

- Black (FED-STD-595C #37031)
- Coyote Brown (FED-STD-595C #20150)
- MultiCam[®] (Hydrographic)

WEIGHT

Complete System with Revolve™ TPU Liner: 1.74 lbs (0.79 kg)

Complete System with Zorbium[®] Foam Liner: 1.59 lbs (0.72 kg)

ENVIRONMENTAL CONDITIONS / MIL-STD-810G METHODS

501.5P1 High Temperature | 502.5P1 Low Temperature
507.5 Humidity | 509.5 Salt Fog | 510.5P1 Blowing Sand/Dust
514.6 Loose Cargo Vibration | 500.5P1 Low Pressure (Altitude)

SHELL ASSEMBLY

- › High-strength and lightweight carbon fiber shell
- › Wilcox® W shroud for NVG mounts, compatible with retractable lanyard system
- › Proprietary structural composite lay-up for increased rigidity and impact protection
- › High-cut shell for communications headset clearance

Materials

- › Shell: Autoclave processed hybrid carbon pre-preg composite
- › VELCRO® USA: Loop 1100, military loop
- › Hardware: Stainless steel with MIL-DTL-13924D black oxide coating
- › Side Accessory Rails: Glass reinforced polycarbonate

LINER SYSTEM

- › Standard Revolve™ TPU Liner or optional Zorbium® Foam Liner
- › Revolve™ TPU liner is moisture resistant and provides airflow, Zorbium® liner is moisture wicking and provides adjustable comfort pads
- › Revolve™ TPU liner exceeds ACH Blunt Impact requirement per AR/PD10-02, 16Dec'13 – average below 72G across all impacts and temperatures
- › Zorbium® Foam Liner meets shock absorption requirements of BS EN 1385:2012

Materials

- › Elastollan® high performance thermoplastic urethane
- › Thermoplastic urethane film encasing Zorbium® comfort foam
- › Game Time mesh fabric

Part Numbers for Revolve™ TPU Liner

Size 1 Black: 71-R21S-B21

Size 1 Coyote Brown: 71-R31S-B31

Size 2 Black: 71-R22S-B22

Size 2 Coyote Brown: 71-R32S-B32

Size 1 MultiCam®: 71-R41S-B31

Size 2 MultiCam®: 71-R42S-B32

RETENTION

- › Team Wendy® CAM FIT™ Retention with Boa® Fit System for optimized stability and fit
- › Cam Lock sliders for one-handed adjustment and secure fit

Materials

- › Boa® Fit System with micro-adjustable dial, coated stainless steel cable and low friction guides
- › MIL-DTL-32067 leather chincup
- › 5/8" nylon webbing
- › Acetal buckles and cams
- › 500D Cordura nape pad with Zorbium® foam
- › Antimicrobial wicking headband sleeves

AVAILABLE ACCESSORIES

EXFIL® CARBON AND LTP HELMET COVERS

Mesh cover available in Black, Coyote Brown and MultiCam®

EXFIL® COUNTERWEIGHT KIT

Stabilizes NVG, available in two sizes and in Black or Coyote Brown

EXFIL® OXYGEN MASK STRAP KIT

For attachment of Para-Flite PHAOS and Carleton PHANTOM O2 masks

EXFIL® PELTOR™ HEADSET ADAPTER

Provides direct rail mount of all Peltor™ COMTAC systems (quick release optional)

EXFIL® QUICK RELEASE RAIL ADAPTER

Tool free accessory attachment, includes 5-slot Picatinny rail

EXFIL® RAIL 2.0 ACCESSORY KIT

Includes two goggle posts and two "MINI-TINNY" 2-slot Picatinny rails

Part Numbers for Zorbium® Foam Liner

Size 1 Black: 71-Z21S-B21

Size 1 Coyote Brown: 71-Z31S-B31

Size 2 Black: 71-Z22S-B21

Size 2 Coyote Brown: 71-Z32S-B31

Size 1 MultiCam®: 71-Z41S-B31

Size 2 MultiCam®: 71-Z42S-B31