TEAM WENDY® SAR

USER GUIDE

INNOVATE TO PROTECT

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NOTE

For any topics not outlined in this guide, including warranty information, please visit TeamWendy.com.

SECTION 1

DESCRIPTIONS AND CAPABILITIES

Performance Standards and Certifications

- BS EN 12492:2012 (Mountaineering)
- BS EN 1385:2012 (Whitewater) - CE Certified
- ACH Blunt Impact (AR/PD10-02, 16Dec'13)
- Off-Crown Shock Absorption (BS EN 14052:2012)

This product is certified to the standard of BS EN 1385:2012 (Whitewater) by:

CCQS Certification Services Limited

Block 1 Blanchardstown Corporate Park,

Ballycoolin Road,

Blanchardstown,

Dublin 15, D15 AKK1

Ireland

Annex IX:

www.teamwendy.com/products/helmets-accessories/helmets/sar-backcountry

www.teamwendy.com/products/helmets-accessories/helmets/sar-tactical

Equipment Capabilities, Characteristics and Features

The Team Wendy® SAR is the first purpose-built search and rescue helmet to provide tactical accessory mounting capabilities while meeting key industrial and mountaineering performance standards.

The helmet comes with a lightweight EPS impact liner with a set of thin and thick comfort pads that are removable and washable. Two removable vent covers prevent objects and debris from entering the crown vents of the helmet. The BOA® Fit System dials in precise fit adjustment while providing single-handed quick release.

The SAR Tactical™ features a shroud insert made from military grade aluminum (6061) with type III hard anodizing, which is suitable for night vision mounts. The 4-point retention system with Cam Lock sliders provides added stability to counteract the shifting balance of the helmet when night vision systems are mounted.

The SAR Backcountry™ features a glass-reinforced polycarbonate shroud designed to mount lights and cameras. The sport-style retention system with a Fidlock® magnetic buckle provides a secure fit and easy one-handed operation.

The accessory rail system enables additional mounting capabilities for cameras, lights, communications, a visor and more. Visit the respective product page on TeamWendy.com for the accessory you would like to mount to see any compatibility restrictions.

Major Subsystems

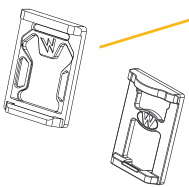
The SAR is composed of the following major subsystems, which are illustrated on page 8:

- Helmet Shell Subsystem: polycarbonate copolymer shell
- Shroud Subsystem
- Accessory Rail Subsystem, also referred to as adapter rails
- Retention Subsystem, containing a chinstrap and headband fit system
- Suspension Subsystem, containing an integrated expanded polystyrene (EPS) impact liner and set of adjustable comfort pads

Major Subsystems

HELMET SHELL SUBSYSTEM

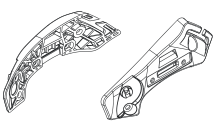
SAR Tactical™ helmet shell comes standard with goggle posts pre-installed behind the accessory rail



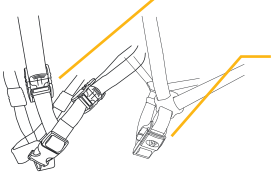
SHROUD SUBSYSTEM

SAR Tactical™ integrated aluminum shroud insert

SAR Backcountry™ glass-reinforced polycarbonate shroud insert



ACCESSORY RAIL SUBSYSTEM



RETENTION SUBSYSTEM

SAR Tactical™ 4-point retention system with Cam Lock sliders

SAR Backcountry™ sport-style retention system with Fidlock® magnetic buckle

SUSPENSION SUBSYSTEM

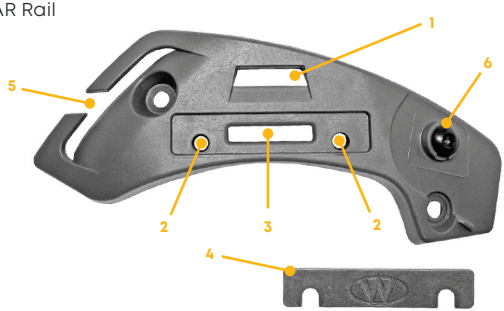
Integrated EPS impact liner featuring Zorbium® comfort pads (shown on page 9)

Suspension Subsystem

The high-performance, lightweight EPS impact liner meets shock absorption and blunt impact requirements for key industrial and mountaineering performance standards. The removable three-piece Zorbium® foam comfort pads are encased in a water-resistant film and an antimicrobial wicking fabric. The comfort pads come in two thicknesses for optimized fit and comfort.

Accessory Rail Subsystem Features

SAR Rail



1. Quick release mounting slot. Used for EXFIL® Picatinny Quick Release Adapters and EXFIL® Peltor™ Quick Release Adapters.
2. Captured nuts (#10-32 thread) for mounting accessories, such as Magpul® MOE® rails or Princeton Tec® Charge MPLS.
3. Locating feature for EXFIL® Picatinny Quick Release Adapter: a tool-free, snap-mounted, 5-slot Picatinny rail.
4. EXFIL® W Spacer Plate. Covers features when not in use.
5. Webbing slot for securing objects to the back of the helmet, such as a counterweight or a standard headlamp with elastic straps.
6. Mount to attach the SAR Visor to the helmet.

SECTION 2

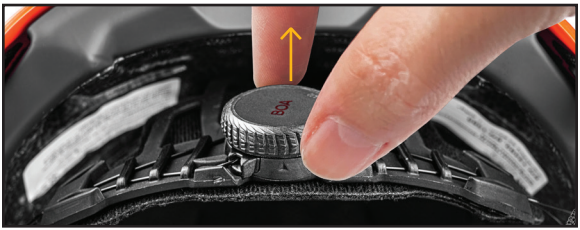
OPERATOR INSTRUCTIONS

Donning / Removing the Helmet and Adjusting Retention

This section provides instructions for donning and removing the Team Wendy® SAR, including adjusting the retention chinstrap and headband fit system.

Step 1: Prior to donning, visually inspect the impact liner and retention system to make sure they appear to be in operational condition. Make sure the chinstrap release buckle is unbuckled.

Step 2: Prepare the BOA® Fit System by releasing any tension in the cables. If the dial is in the locked position, pull the dial head directly outward until it clicks to release the locking mechanism.



Step 3: Position the helmet on top of the head.

Step 4: While wearing the helmet, press the dial head directly inward to engage the locking mechanism. Twist clockwise to tighten the headband as desired. The headband should pass just above the operator's ears.

Step 5A - SAR Tactical™: Adjust the position of the retention chin cup by adjusting the length of the four attached webbing straps. Lift up on the tab of the Cam Lock slider so that it rotates out of the locked position. Grip the tab and pull the buckle in the desired direction. Secure the position of the slider by pushing down on the tab until it snaps into the locked position, which is flat against the surface of the webbing. Repeat as necessary for all Cam Lock sliders. Be sure to adjust the strap length while donning the helmet to fit appropriately.

Step 5B - SAR Backcountry™: Adjust the position of the chinstrap by sliding the strap guides upward or downward as needed. Fasten the chinstrap with the Fidlock® magnetic buckle by bringing the two buckle ends close to one another so they overlap – the right strap should be on the outside and the left strap on the inside (closest to the neck). Adjust the chinstrap length by pulling on the loose end of the strap. Place the loose end inside the O-ring (loose strap retainer) to hold in place.

The chinstrap should be snug under the jaw, but not be so tight as to cause discomfort. The operator should be able to comfortably move the head and open the jaw to speak. Additional fit information is provided in the Sizing and Fitting Instructions section.

Step 6: To remove the SAR, unbuckle the chinstrap release buckle and release the dial from the locked position by pulling the dial directly outward until it clicks. Then lift the helmet up and away from the head.

Sizing by Head Circumference

HEAD CIRCUMFERENCE	SINGLE SIZE
CENTIMETERS	53 - 63
INCHES	20 ⅞ - 24 ¾
HAT SIZE (USA)	6 ⅝ - 7 ⅞

Sizing and Fitting Instructions

The SAR is a single size helmet. This section provides instructions for properly fitting the helmet to the operator's head. Basic instructions are provided which will accommodate the majority of operators; however, due to the many variations in head shape, there will be cases in which these instructions are insufficient.

Throughout the measuring and fitting procedure, evaluations should take place with the operator in an upright standing position and looking directly forward.

Step 1: Determine whether your head measurement falls within the SAR size range. Wrap a tape measure around the head, just above the eyebrows and around the back of the head at its widest circumference. If the measurement falls within the size range listed in the sizing chart above, continue with the fitting procedure.

Step 2: Identify the proper set of comfort pads (thin or thick). Don the helmet by following the instructions in the Donning / Removing the Helmet section, including the steps for adjusting the retention chinstrap and headband. Begin the test fitting with the thin comfort pad set preinstalled by the manufacturer.

If the fit is too tight or the helmet sits too high, immediately stop using the SAR.

If the helmet fit is too loose, first try tightening the headband and retention straps as outlined in the Donning / Removing the Helmet and Adjusting Retention section.

If the fit is still too loose, replace the thin comfort pad set with the thick comfort pad set. Instructions are outlined in the next section: Removing / Installing Comfort Pads.

If the helmet fit is still too loose with the thick comfort pad set installed, immediately stop using the SAR.

NOTE

If your head size is 57 cm or larger, start with the thin comfort pad set. If smaller, start with the thick comfort pad set. Interchange as needed for optimal fit

Removing Comfort Pads

Step 1: Pull the rear and crown comfort pads from the hook fastener and remove them from the helmet.

Step 2: Pull the sides of the front comfort pad from the side plastic BOA® cable guide toward the interior of the helmet to detach from the hook fastener (figure 1).

Step 3: On both the left and right sides, pull the gray plastic headband slightly toward the interior of the helmet and unhook the black BOA® cable by removing it from the channel in the headband (figure 2).

FIG 1

FIG 2

Step 4: Locate the center of the front comfort pad and insert your thumb between it and the plastic front headband. With your thumb, press the plastic front headband into the helmet liner to keep it secured.

With your other hand, pull the front comfort pad toward the rear of the helmet until it has detached (figure 3).

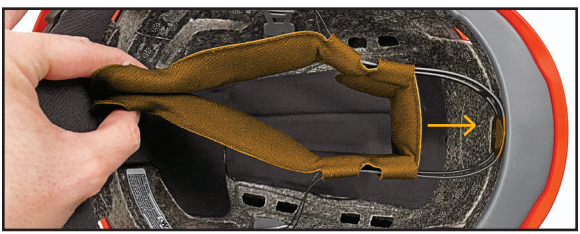


FIG 3

Installing Comfort Pads

Step 1: Align the front comfort pad with the plastic front headband. Fold the front pad in half and pull the ends of the front plastic headband toward the center of the helmet interior. Simultaneously insert each end of the front plastic headband through the two loops on the respective sides of the comfort pad (figure 4). Ensure that the front comfort pad is centered.

FIG 4

Step 2: On both the left and right sides, carefully snap the BOA® cable back onto the plastic front headband (figure 2 on page 18). Ensure that the cable is not twisted.

Step 3: Align the comfort pad with the side plastic BOA® cable guide. Fold the tab on the comfort pad behind the plastic guide and insert it through the square hole (figure 5). Adhere the hook end of the tab to the back of the comfort pad (figure 6). Adjust the fit of the tab so that the comfort pad is snug and secure around the plastic guide. Repeat on opposite side.

FIG 5

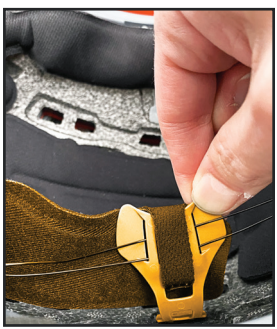


FIG 6

Step 4: Attach the crown and rear comfort pads into the helmet using the hook on the helmet interior.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SECTION 3

MAINTENANCE PROCEDURES

Storage Instructions

Store the Team Wendy® SAR in a temperature and humidity controlled location where the temperature is within 15-27˚C (60-80˚F) and humidity is within 30-65% Relative Humidity. Avoid exposure to UV radiation, including sunlight.

Inspection and Replacement Schedule

Inspect all components frequently for signs of damage using the Inspection Checklist.

A helmet that exhibits damage to the shell or suspension liner, such as cracking, deformation or soft spots, should be removed from active use and replaced.

Operator's Inspection Checklist

Exterior Inspections

1. **Shell:** The shell is not cracked or dented.
2. **Shroud:** The shroud is not cracked or otherwise damaged.
3. **Accessory Rails:** The accessory rails are not cracked or otherwise damaged. Both mounting fasteners are securely fastened on each rail.

Interior Inspections

1. **Impact Liner:** Impact liner is not cracked or otherwise damaged. Comfort pads are not torn or otherwise damaged.
2. **Retention – Adjustment and Locking Mechanisms:** SAR Tactical™: All four Cam Locks slide freely and lock securely. Chinstrap buckle locks securely.

   SAR Backcountry™: Strap guides slide freely. Fidlock® magnet engages.
3. **Retention – BOA® Fit System:** Headband tightens when dial is engaged and rotated. Headband loosens freely when dial tension is released.
4. **Retention Attachment:** All four straps are securely held against the inside of the shell by fasteners.
5. **Retention – Webbing/Stitching:** All webbing is free of tears and abrasion marks. All stitches are secure.

> ⚠ **WARNING**
>
> Do not use the helmet until all of the inspection criteria are met. Heed the warning label attached to each SAR about the importance of shell inspection and proper fit. No helmet can protect the wearer from all foreseeable injuries. Severe head and neck injuries may still occur despite proper use of helmet.

Washing Instructions

Wash the helmet regularly, particularly after exposure to salt, sweat and other contaminates. All components of the SAR may be hand washed using a soft bristle brush, warm water and mild laundry detergent. Rinse thoroughly. Do not machine wash or dry. Do not use chemical solvents.

The comfort pad set may be removed and hand washed with mild laundry detergent in warm water and air dried. Do not dry in direct sunlight.

NOTE

Comfort pads are replaceable following wear and tear, and are available for purchase on TeamWendy.com.

INNOVATE TO PROTECT

Founded in 1997, Team Wendy is dedicated to providing exceptional head protection systems designed from the inside out for those who risk their lives every day. Our Cleveland-based company places a strong focus on the prevention of traumatic brain injury (TBI) in honor of our namesake Wendy Moore, who died tragically from a TBI following a ski accident. In Wendy's name, we are steadfast in our pursuit of improving head protection research, design and development, bringing more choice, better technology and reliable customer service to the industry.

Military

Law Enforcement

Search & Rescue

Adventure

TEAMWENDY.COM | 216.738.2518

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