

Alpha Eagle Fitting Instructions



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Helmet Size

The ALPHA EAGLE helmet is produced in five sizes. Measure the user's head at the widest and longest points and then consult the following table to select the correct helmet size. When total measurements fall between helmet sizes, use the next larger size.

Helmet Size	Circumference	Head Width (mm)	Head Length (mm)
Medium (M)	550 – 580	142-164	180 – 203
Medium Long (M/L)	577 - 620	147-164	201-218
Medium Broad (M/B)	577 – 605	160-175	180-203
Large (L)	590-622	160-175	201 – 218
Extra Large (XL)	620-635	175-180	218-225

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******* THE FOLLOWING TASKS MUST BE PERFORMED PRIOR TO USE *******

Preparation

1. Unpack the helmet and check for any shipping damage. Report any damage immediately. Lower the visor(s) from under the visor cover and remove any protective film from the visor(s) and then re-position the visor(s) under the visor cover or fit the velveteen visor cover over the visor(s).
2. Check that the nape strap is slack by depressing the central button of the nape strap tensioner and rotating the knob in a counter clockwise direction while applying rearward pressure to the nape pad.
3. Slacken the ear capsule tensioning webbing by putting the toggles into the down/unlocked position.

Putting on the Helmet

1. Release / unlock both ear capsule tensioning toggles.
2. With the helmet upside down and the visor(s) in the raised position and facing the wearer, insert a finger through each ear capsule tape loop. At the same time, grip hold of the chinstrap on either side of the helmet so that the helmet is held securely in both hands.
3. Place the brow of the helmet to the forehead and the ear capsules to the temples, and then roll the helmet to the rear of the head and downward. A person unfamiliar with this procedure may experience discomfort until the correct technique is found. Attempting to pull the helmet vertically down over the widest part of the head will result in discomfort.
4. Manipulate the helmet to center the ear capsules over the ears. Reposition the ear capsules with the hands rather than by pulling downwards on the ear capsule tape loops. Unless performing the initial fitting of the helmet (next section), lock the ear capsule tensioning toggles. If a comfortable seal cannot be achieved, remove the helmet and reposition the ear capsules on the Velcro® mounting pads. Repeat steps 2 – 4 to achieve the desired seal.

Fitting the Helmet

To ensure the optimal fit for a particular user:

1. With the helmet on the wearer's head, ensure that the nape strap and ear capsules are loose, and that the chinstrap is unfastened.
2. Adjust the position of the helmet until it feels comfortable at the crown of the head, ensuring that the brow of the helmet is out of sight of the wearer's upward view.
3. If the helmet sits too low on the head (i.e. the brow of the helmet is visible to the wearer's upward view), remove the helmet and then loosely fit a crown pad insert between the head lining and the helmet impact liner. **Do not peel the backing paper off of the crown pad insert at this stage in the fitting.**
4. Put the helmet on and check for brow position again. Both crown inserts supplied with the helmet may be required to achieve the desired fit. **It is not recommended that more than two inserts be used as instability may result.**
5. When the optimal position has been achieved, remove the helmet and then remove the head lining and crown pad insert. Ensure that the two fixing tabs on either side of the head lining are removed from behind the shell lining before removing the head lining from the helmet or damage may occur to the shell lining.
6. Peel the backing paper off of the insert and bond the exposed adhesive surface to the outer edge of the head lining. If two crown pad inserts are used, the second insert is bonded to the foam surface of the first insert. Reinstall the head lining and reinsert the fixing tabs behind the shell lining.

Do you have a question?

7. Put the helmet on and adjust the nape pad tension by turning the nape strap tensioner knob in a clockwise direction. The nape pad will be pulled into the nape of the neck. Apply sufficient tension to ensure a stable, secure and comfortable fit.
8. If a secure fit cannot be achieved, depress the button in the center of the tensioner knob and holding the button down, turn the tensioner knob in a counter clockwise direction to release the tension.
9. Remove the helmet and increase the thickness of the brow by loosely fitting one of the brow pad inserts supplied. The detachable pads can be used to increase the thickness of the temple area. Both brow pad inserts supplied with the helmet may be required to achieve the desired fit. **It is not recommended that more than two inserts be used as instability may result.**
10. When the optimal fit has been achieved, remove the helmet and then remove the head lining and brow pad insert. **Ensure that the two fixing tabs on either side of the head lining are removed from behind the shell lining before removing the head lining from the helmet or damage may occur to the shell lining.**
11. Peel the backing paper off of the insert and bond the exposed adhesive surface to the outer edge of the head lining. If two brow pad inserts are used, the second insert is bonded to the foam surface of the first insert. Reinstall the head lining and reinsert the fixing tabs behind the shell lining.
12. Adjust the ear capsule tension by setting the right hand toggle into the down/unlocked position and pulling the webbing through the toggle so that pressure is felt on the side of the head against the ear capsule seal. Repeat for the left-hand toggle and then lock both toggles in the upward position. When taking the helmet off or putting it on, the toggles should be set in the down, unlocked position. Stitch the ear capsule tensioning webbings to the toggles to prevent slippage.
13. Connect the two halves of the chinstrap and adjust the webbing until it is as tight as possible without causing discomfort. Slide the velveteen sleeve centrally under the chin, ensuring that there is no interference with the operation of the buckle. Stitch the chinstrap sleeve to the chinstrap webbing in the desired central position.

Visor Adjustment

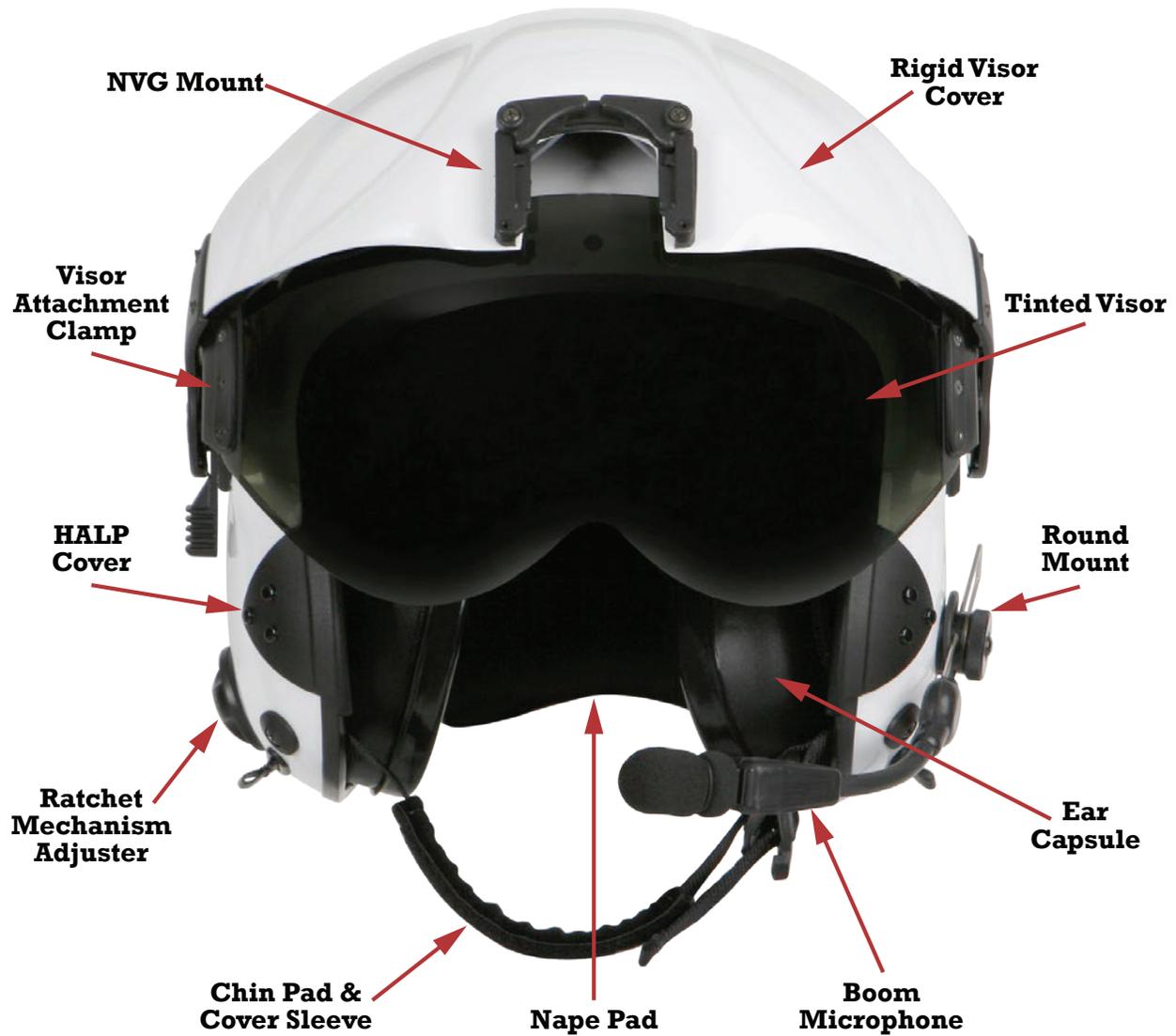
1. To adjust the visor downlock position, start with the inner visor if it is a dual visor system. Lower the visor to the fully locked down position.
2. Loosen (but do not remove) the adjustment screw located at the front of the mechanism base plate at the side of the helmet. Turn the inner visor base plate about the visor pivot until the optimum position is found for the wearer. The base plate can be set to four different adjustment positions. Once the optimum position is found, tighten the adjustment screw (this is self-locking). Repeat for the outer visor downlock position.

Removing the Helmet

1. Raise the visor(s) into the locked position.
2. Set the left and right ear capsule toggles into the down position.
3. Unfasten the chinstrap buckle.
4. Remove the helmet by holding the brow of the helmet against the forehead and then lifting the helmet upwards and forwards by applying pressure from the rear of the head.

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Alpha Eagle Flight Helmet Parts



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