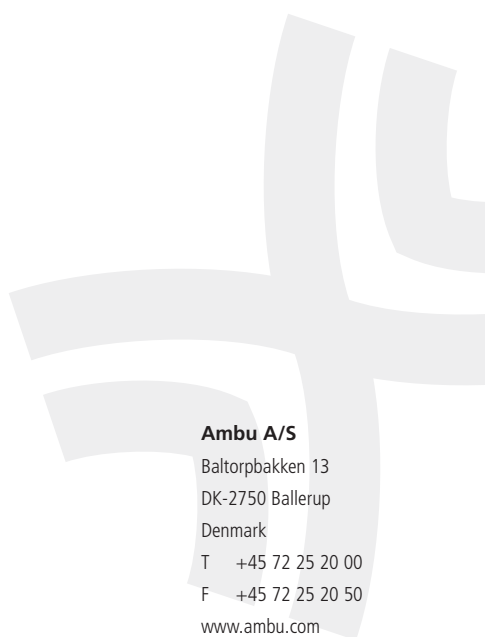




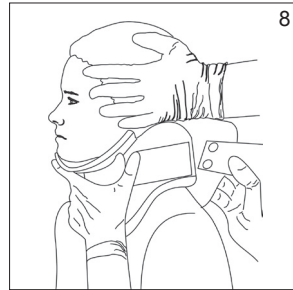
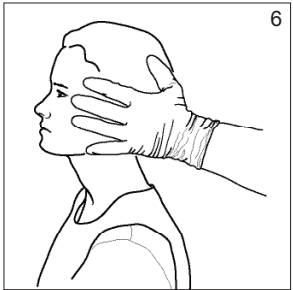
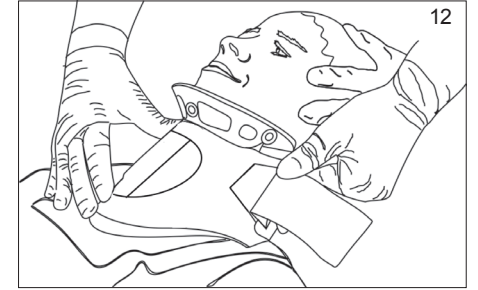
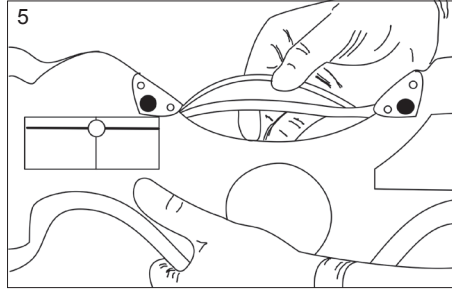
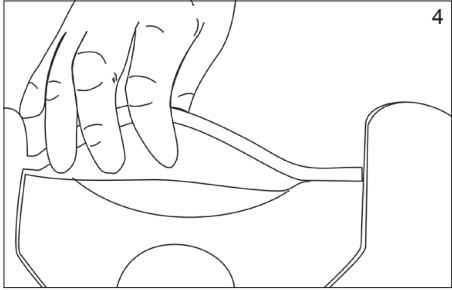
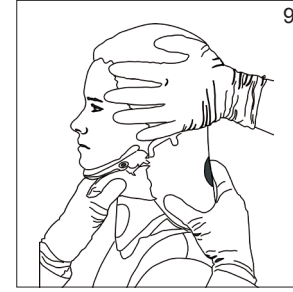
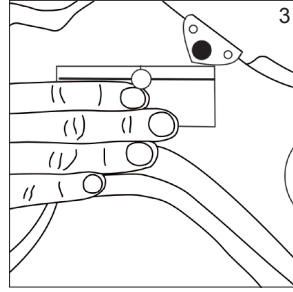
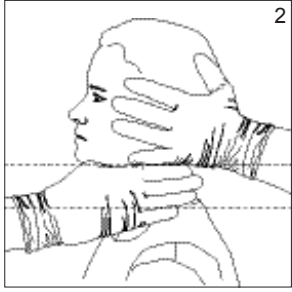
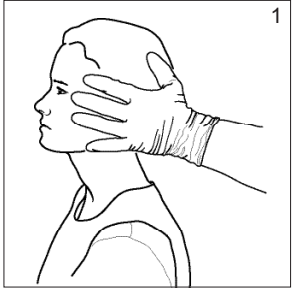
## Instructions for use

### Ambu<sup>®</sup> Perfit Collar



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**Content****Page**

English.....	6
Česky .....	8
Dansk.....	11
Deutsch.....	12
Ελληνικά .....	14
Español .....	15
Suomi.....	18
Français.....	20
Italiano.....	22
Nederlands .....	25
Norsk .....	28
Português.....	30
Svenska.....	33
Türkçe .....	35

## Perfit Extrication Collar

### Description

The Ambu® Perfit® extrication collar is a one-piece rigid cervical spine immobilisation device designed to assist the rescuer with the maintenance of neutral alignment, prevention of lateral (side-to-side) sway and anteriorposterior (forward and backward) flexion and extension of the cervical spine during transport and routine patient care or movement.

### Principles of immobilisation

Prevention and/or further extension of damage to the cervical spine and spinal cord is accomplished by maintaining the head and neck in a position of “neutral alignment”. The head and neck should not be flexed forward, extended backward, or cocked to one side or the other. The neutral alignment position prevents damaged vertebrae or foreign bodies from rubbing and/or cutting the spinal cord. Additionally, the neutral alignment position prevents the spinal cord from being twisted or compressed causing physical and/or ischemic injury to the spinal cord. An extrication collar is only part of total patient immobilization.



#### Warning

The Ambu Perfit extrication collar is intended for application by licensed health care practitioners as directed by a physician or other medical authority. Permanent injury may result from use other than as directed by a physician or other medical authority.

It is important that practitioners are trained and practised in the use and application of the device and that all instructions are read and understood prior to application of the collar.

All directions are to be considered as guidelines and not an attempt to define medical practice. Use the device only after review and approval from the supervising medical authority.

### Directions for use

1. Have one rescuer manually stabilise the head and neck, gently holding the head and neck in the neutral alignment position (see Figure 1).  
NOTE: If resistance is felt or an increase in patient discomfort is noted, follow your established protocols for immobilisation of the cervical spine in the presence of known or suspected cervical dislocation.
2. Once the head and neck are manually stabilised, a second rescuer should apply an Ambu extrication collar of appropriate size to the patient as determined below. Applied collar must not hyper-extend patient’s neck.
3. Measure the distance between an imaginary plane drawn horizontally and immediately below the patient’s chin and second horizontal plane drawn immediately on top of the patient’s shoulder (see Figure 2).
4. Compare this distance with the distance from the collar sizing line to the lower aspect of the plastic collar body (not the foam) (see Figure 3).

### Collar Assembly

The collar is assembled as follows:

Hold the collar near the tracheal opening with one hand, Place the index finger on the foam side of the chin piece (on the center rivet) and the thumb on the plastic side of the chin piece (on the center rivet) and simply flip the chin piece from the back of the collar to the front of the collar (see Figures 4 and 5). This automatically forms the chin piece and places it in the position of function.

### Application

Proper application of any extrication collar requires two individuals. The first rescuer should maintain stabilisation and neutral alignment of the head and neck by grasping the head with a spread finger technique (see Figure 6).

1. The second rescuer should slide the front of the collar along the patient’s chest and position the chin piece. The collar body should rest on the top of the patient’s shoulder and against the sternum without gaps (see Figure 7). The patient’s chin must rest securely in the chin piece in neutral alignment position (see Figure 8).
2. While holding the front of the collar in place, wrap the back of the collar around the back of the patient’s head and neck and secure to the front of the collar with the Velcro® tab (see Figure 8).
3. Adjust the Velcro tab as necessary by holding the front cutout of the collar and tightening the Velcro tab (see Figure 9).



#### Warning

Maintain neutral head and neck alignment during the entire procedure. Once the collar is properly applied and the patient is immobilized, the head should not be released (see Figure 10). Further immobilise the head and neck with head blocks or a head immobilizer and secure the patient to the backboard with appropriate retention straps.

### Supine application

If the patient is supine, slide the back portion of the collar directly behind the patient’s neck. Once the back portion of the collar is evenly positioned behind the head, the front position of the collar can be positioned under the chin (see Figure 11). While maintaining the proper positioning of the collar with one hand, attach the Velcro with the other hand (see Figure 12). Ensure that the loop Velcro tab is firmly attached and parallel to the fixed hook Velcro tab on the front of the collar.



#### Warning

Maintain neutral head and neck alignment during the entire procedure. Once the collar is properly applied and the patient is immobilized, the head should not be released (see Figure 13). Further immobilize the head and neck with head blocks or a head immobilizer and secure the patient to the backboard with appropriate retention straps.

### Cleaning

To eliminate any risk of cross infection between patients it is recommended to discard the product after use.

The surface of the product can be cleaned with water and a mild detergent or using a disinfecting agent. Rinse it thoroughly with clean water and allow it to dry before reuse.

Before reuse, make sure that the product is intact and fully operationable. Otherwise it should be discarded.

### Warranty/Guarantee

Ambu Inc. warrants its products to be free from defects in workmanship and materials when purchased through Ambu Inc. or its authorized channels of distribution and used in accordance with recommended procedures. Should any product be found to be defective when unpacked, obtain a return authorization number from Ambu before sending it back. Repair or replacement will be made at no charge.

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