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# Воротники, фиксаторы

## Техническое описание

## Directions for Use

### STEP 1

Have one rescuer manually stabilize the head and neck, gently holding the head and neck in the neutral alignment position (*Figure 1*).

**Note:** If resistance is felt or an increase in patient discomfort is noted, follow your established protocols for immobilization of the cervical spine in the presence of known or suspected cervical dislocation.

### STEP 2

Once the head and neck are manually stabilized, a second rescuer should apply an Perfit ACE collar to the patient. Size the collar as determined below. Applied collar must not hyper-extend patient's neck.

### STEP 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 (*Figure 2*).

### STEP 4

Compare this distance with the distance from the collar sizing line to the lower aspect of the plastic collar body (not the foam) (*Figure 3*).

### STEP 5 SIZING

The Perfit ACE collar is preset to Neckless Size 3. If a larger size collar is needed, disengage the safety locks by pulling UP on the safety buttons (*Figure 4*).

### STEP 6

Adjust the collar to the appropriate size: the Perfit ACE provides 16 ratchet settings between the traditional Neckless (Size 3) and Tall (Size 6).

Simply pull the collar apart until the distance between the sizing line and the plastic collar body equals your finger measurement (*Figure 5*).

### STEP 7

Engage the safety locks by pushing DOWN on the safety buttons (*Figure 6*).

### STEP 8

If the Perfit ACE needs to be resized, disengage the safety locks and pull "OUT" on the ratchet latches ("arrows") (*Figure 7, Figure 8*).

The Perfit ACE may now be adjusted to smaller sizes (*Figure 9*).

Reset the ratchet latches by pressing "IN" on the "arrows" (*Figure 10*).

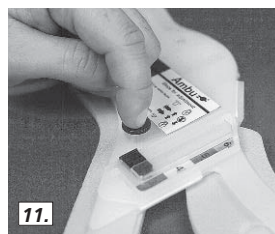
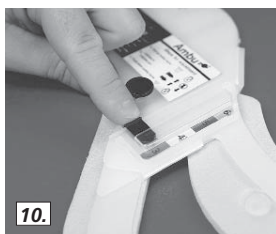
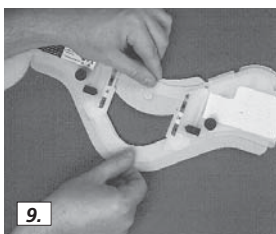
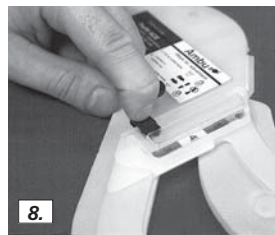
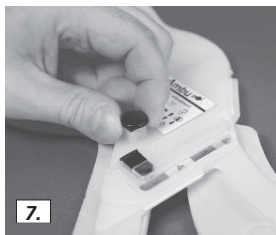
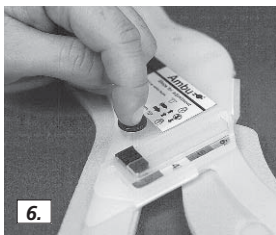
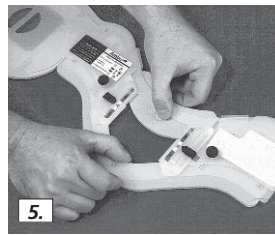
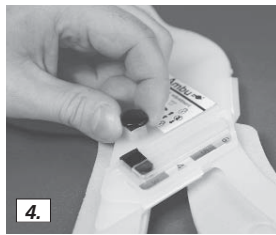
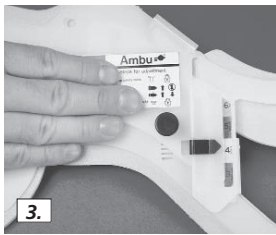
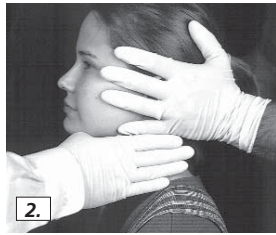
Now engage the safety locks by pressing DOWN on the safety buttons (*Figure 11*).

### PRESETTING TO FOUR STANDARD ADULT POSITIONS

The collar can be sized to four standard settings (neckless - size 3, short - size 4, regular - size 5 and tall - size 6) by simply bringing the guide arrow in line with the middle of the number marked (3, 4, 5 and 6) on four color label.

**Note:** The Perfit ACE collar is preset to Neckless Size 3.

Reset ratchet latches (guide arrow) and safety buttons as described earlier.



## 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 (*Figure 13 and 14*).

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 stabilization and neutral alignment of the head and neck by grasping the head with a spread finger technique (*Figure 15*).

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 (*Figure 16*). The patient's chin must rest securely in the chin piece in neutral alignment position (*Figure 17*).
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 (*Figure 17*).
3. Adjust the velcro tab as necessary by holding the front cutout of the collar and tightening the velcro tab (*Figure 18*).
4. Adjustment of the size of the collar may be done on the patient as per your local protocol.

## 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. Further immobilize 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 (*Figure 19 or 20*).

The collar may be applied from either side. Once the back portion of the collar is evenly positioned behind the head, the front portion of the collar can be positioned under the chin (*Figure 21*). While maintaining the proper positioning of the collar with one hand, attach the velcro with the other hand (*Figure 22*). Ensure that the loop velcro tab is firmly attached and parallel to the fixed hook velcro tab on the front of the collar.

## Warning

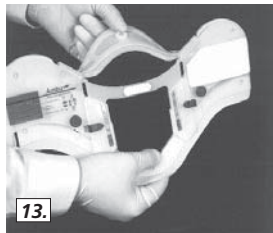
Maintain neutral head and neck alignment during the entire procedure. Once the collar is properly applied and the patient is immobilized, the head should not be released (*Figure 23*). Further immobilize the head and neck with head blocks or a head immobilizer and secure the patient to the backboard with appropriate retention straps.

## Warranty/Guarantee

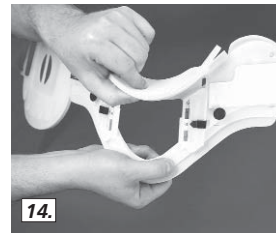
warrants its products to be free from defects in workmanship and materials when purchased through or its authorized channels of distribution and used in accordance with recommended procedures. Should any product be found to be defective when unpacked, obtain a return authorization number from before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

SIZING LINE	<b>Ambu</b> +
<b>Perfit ACE</b>	Steps for adjustment
Adjustable C-collar - Extension Catalog No. 000 881 000	A. Pull up safety locks
To be used only as directed by local EMS authorities	Latches in
Inst. Lintburg, MD USA	Latches out
U.S. Patent No. 5,520,619	C. Push down safety locks

12.



13.



14.



15.



16.



17.



18.



19.



20.



21.



22.



23.



### The perfect fit for neutral alignment

The Perfit collars are designed to assist with the maintenance of neutral alignment, prevention of lateral sway and anterior-posterior flexion and extension of the spine during transport and routine patient care or movement.

## ® Perfit® Extrication Collars

### All Extrication Collars have the following features

- collars are fully disposable. You no longer have to worry about collars being returned to the source of origin and cross contamination issues are avoided
- collars come with a pre-shaped flip-chin piece to ensure they can be stored completely flat. Furthermore the flip-chin piece facilitates intubation and removal of vomit from a patient's mouth
- One-piece extrication collar simplifies application and at the same time there are no extra pieces that can get lost
- Nasal cannula holders are located on the collar body to secure the oxygen tubes (except for infant)
- All collars are radiotranslucent, CAT & MRI compatible and come with a ventilated posterior shell for fluid drainage and a large hole for easy access. All of these features allow for patient examinations to take place safely without removing the collar.

### ® PERFIT EXTRICATION COLLAR IS A ONE-SIZE COLLAR

It comes in four adult sizes, a paediatric size and an infant size.

### TECHNICAL DATA

Shell material:	polyethylene
Sizes:	1 (infant), 2 (paediatric), 3 (neckless), 4 (short), 5 (regular) and 6 (tall)
Colour:	White/light grey

### ORDERING INFORMATION

	CAT. NO.
Perfit Infant: size 1 / cartons of 20 pcs.	264 201 000
Perfit Paediatric: size 2 / cartons of 20 pcs.	264 202 000
Perfit Neckless: size 3 / cartons of 20 pcs.	264 203 000
Perfit Short: size 4 / cartons of 20 pcs.	264 204 000
Perfit Regular: size 5 / cartons of 20 pcs.	264 205 000
Perfit Tall: size 6 / cartons of 20 pcs.	264 206 000
Carry bag for collars, fits 6 pieces / cartons of 20 pcs.	264 008 000
Sample pack, one of each Perfit size	264 020 000



### Key Features

- Stores completely flat
- Radio translucent
- CT and MRI compatible
- Sizing line for easy and accurate sizing
- Standard size markings on both Adult and Mini
- Chin flip feature to ease airway management
- Nasal cannula tubing holder support
- Facilitates intubation
- Latex free
- Disposable
- When shipped, the default position of the the Adult Ace collar is in the Neckless position, and the default position of the Mini Ace is the Infant position

## ® Perfit ACE® & Mini Perfit ACE®

### 28 sizes in two collars

The Perfit ACE is a unique adjustable collar. Combined with the Mini Perfit ACE these two collars offer an incredible 28 sizes ensuring that patients can now have the most effective and accurate fit ever.

Made from radio translucent materials, the collar is packaged completely flat and has a unique chin-flip feature to ease airway management. Perfit ACE is a disposable adult adjustable collar for immobilizing the cervical column.

Perfit Ace is an adjustable collar designed to fit any adult with 16 different settings ranging from Neckless to Tall sizes. The Perfit ACE incorporates latches that allow the rescuer to size the collar exactly to the victim's neck size. Two safety lock buttons hold the collar in place when adjusted.

Mini Perfit ACE is an adjustable collar designed to fit children and small adults, with 12 different settings to provide an accurate fit.

### MATERIALS – PERFIT ACE White/

light grey plastic	Polypropylene
Foam	Polyethylene

### MATERIALS – MINI PERFIT ACE Yellow

plastic	Polypropylene
Foam	Polyethylene

### SPECIFICATIONS – PERFIT ACE

Adjustable sizes	Neckless, Short, Regular and Tall
Number of settings	16 adjustments
Dimensions	554 x 215 x 14 mm (21.8" x 8.5" x 0.6")
Weight	200 g (7 ounces)
Color	White/light grey
Translucency	CT and MRI compatible



® Perfit ACE®

### SPECIFICATIONS – MINI PERFIT ACE

Adjustable sizes	Infant, Pediatric and Small Adult
Number of settings	12 adjustments
Dimensions	447 x 188 x 14 mm (17.6" x 7.4" x 0.6")
Weight	100 g (3.5 ounces)
Color	Yellow/light grey
Translucency	CT and MRI compatible



® Mini Perfit ACE®

### ORDERING INFORMATION

	CAT. NO.
Perfit ACE Extrication Collar, 30/case	000 281 000
Perfit ACE packaged with Head Wedge CID, 30/Case	000 281 151
Mini Perfit ACE Extrication Collar, 30/Case	000 281 106
Mini Perfit ACE packaged with Head Wedge CID, 30/Case	000 281 161

Available packaged with the ® Head Wedge®.



® Perfit ACE®  
® Mini Perfit ACE®



® Head Wedge®



#### Main benefits of Redi-ACE:

##### ■ Easy to use

i-ACE has an automatic flip up chin and two locking buttons. It can be placed on the patient using only 3 steps; sizing – locking – placement.

##### ■ 2 collars for all patients

With 8 sizes of i-ACE and 6 sizes of Redi-ACE Mini the majority of patients can be treated.

##### ■ Practical characteristics

-ACE can be stored completely flat. Additionally the Redi-ACE has cannula hooks to secure the oxygen tube.

## ® Redi-ACE Adult & Redi-ACE Mini

#### Description

The Redi-ACE is a unique adjustable collar. Combined with the Redi-ACE Mini these two collars offer 14 sizes ensuring that patients can have the most effective and accurate fit possible.

Made from radio translucent materials, the collar is packaged completely flat and has a unique automatic flip up chin.

Redi-ACE is a disposable adjustable collar for immobilizing the cervical column.

The Redi-ACE incorporates latches that allow the rescuer to size the collar as accurate as possible to the victim's neck size. Two safety lock buttons hold the collar in place when adjusted.

#### MATERIALS – REDI-ACE White/

light grey plastic	Polypropylene
Foam	IXPE

#### MATERIALS – REDI-ACE MINI Yellow

plastic	Polypropylene
Foam	IXPE



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