



Flexibility and comfort – for you and your patients

AF541 noninvasive ventilation mask



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Key benefits

- Delivers high-quality respiratory care to your patients
- Designed to rest comfortably on the face
- Interchangeable elbows achieve the benefits of mask rotation with a single mask



Key features

- Excellent comfort for patients 20 kgs and above
- High performance
- Improved CapStrap (compared to current platform)
- Under-the-nose cushion allows cost-effective mask rotation

Philips Respironics AF541 NIV Mask



- Interchangeable cushions
- CapStrap or four-point headgear
- Interchangeable elbows with positive audio lock
- This mask is not made with natural rubber latex, DEHP, or BPA
- Over-the-nose mask cushion and under-the-nose mask cushion nares with pressure pick-off ports
- Adjustment button on forehead

AF541 over-the-nose cushion



AF541 under-the-nose cushion



Interchangeable elbows



EE leak 1 with NIVO port



SE with NIVO port



EE leak 2 with NIVO port

Improve workflow

- NIVO port in all elbows
- Easy to change
- Audible click confirms elbow is secure

Clean Clip shell and Clean Clip sidecar



Clean Clip shell

- Hold your Respironics mask during mask rotation, oral care, or a break in therapy

Clean Clip sidecar

- Docking station for interchangeable cushions during mask rotation

Finding the right fit
for your patient

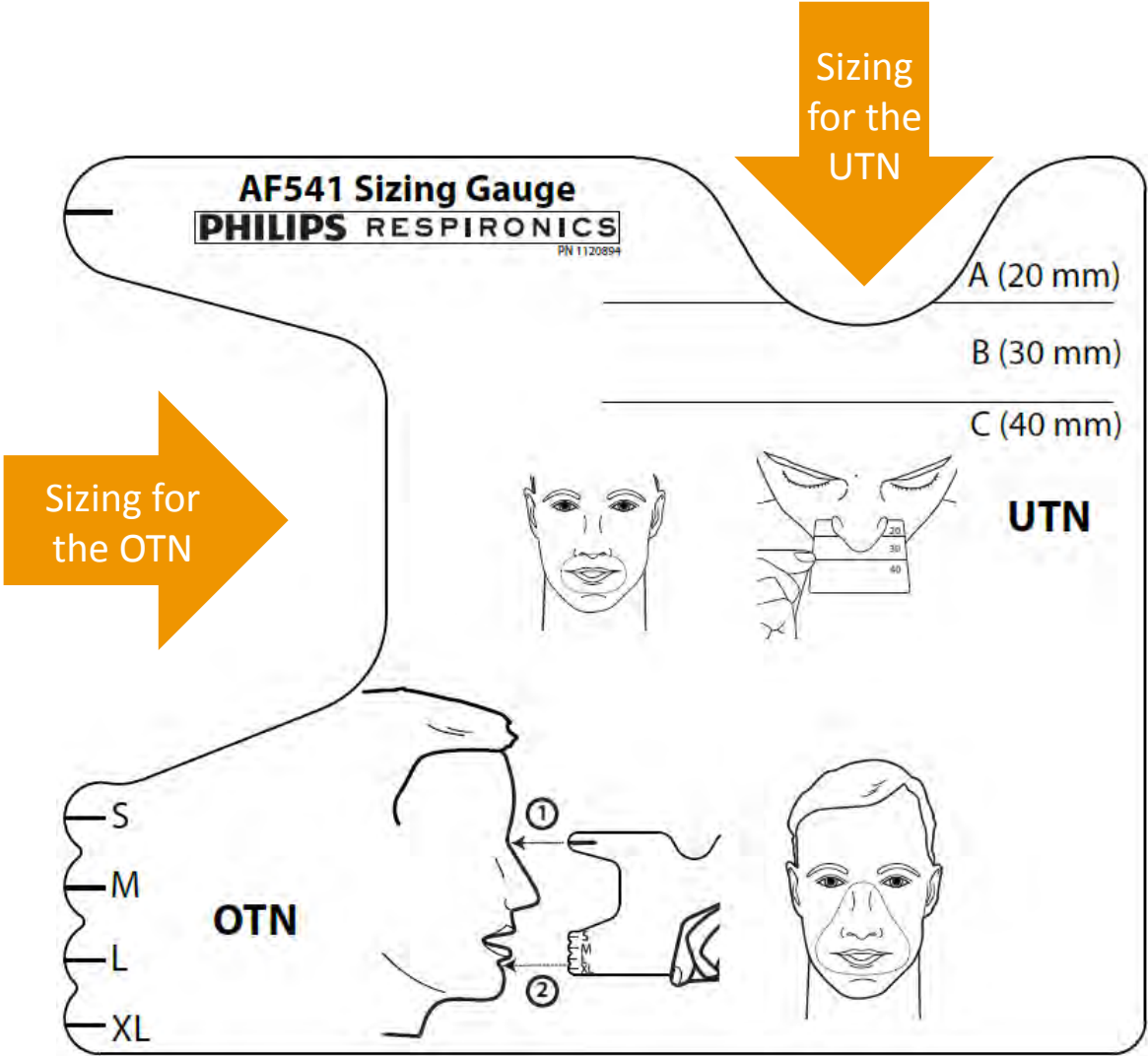
A close-up photograph of a middle-aged man with glasses and a Philips Respironics AF541 mask. He is holding a white cup with a clear straw to his lips. The background is a clinical setting with medical equipment and a person in a white coat. A semi-transparent blue banner is overlaid on the bottom half of the image, containing white text.

14 of 15 clinicians rated the Philips Respironics AF541 mask 4 or 5 for ease-of-use, with 10 giving it the highest rating of 5.*

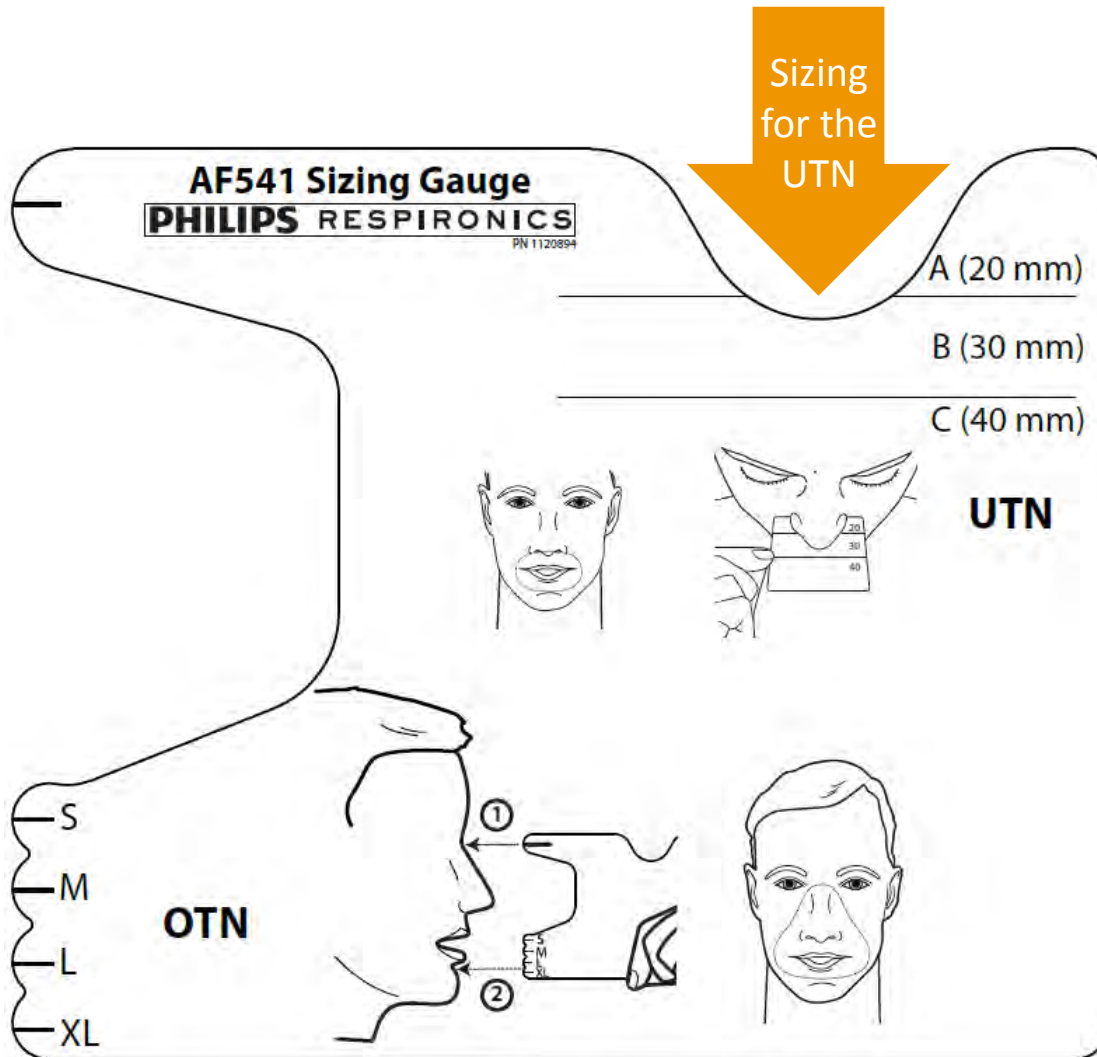
Source: * Philips summative usability and validation study report for Respironics AF541 Oro-nasal mask and related system components. Submitted by: Brecon Human Factors Design. 23 Oct 2015

PHILIPS

Sizing gauge



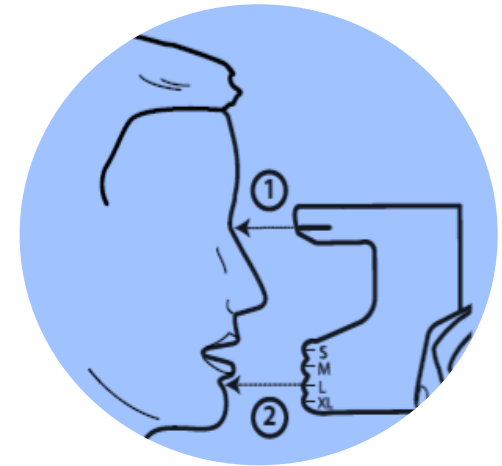
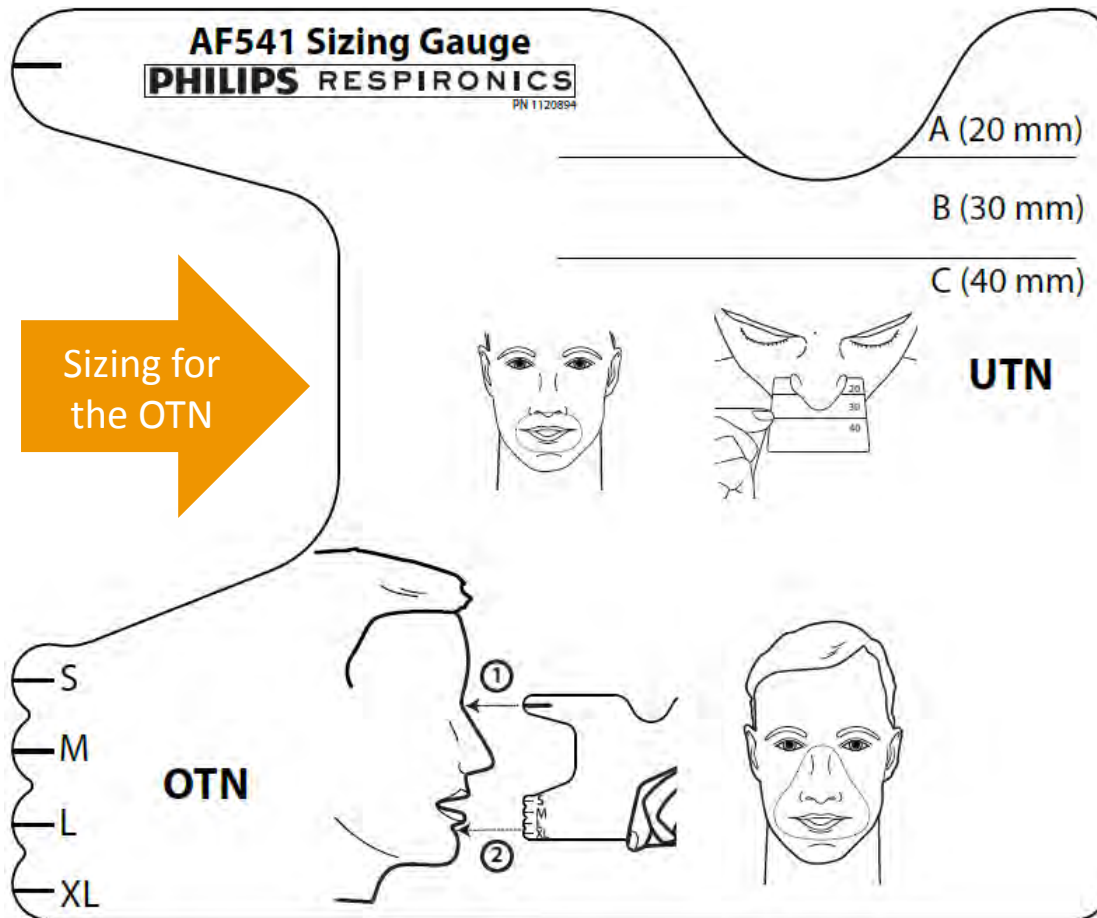
Sizing the under-the-nose cushion



To measure the size of the under-the-nose cushion:

1. Place the sizing guide directly under the nares slightly touching the cheeks
2. Note the size as A, B, or C

Sizing the over-the-nose cushion



To measure the size of the over-the-nose cushion:

1. Have the patient slightly open his or her mouth
2. Place the top of the sizing gauge on the bridge of the nose
3. Fix the lower part of the gauge in the hollow crease under the lower lip
4. Note the mark that is aligned to the hollow crease

Mask rotation

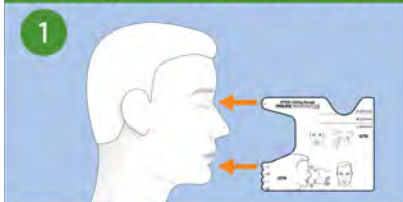


Mask rotation has been proven to decrease skin breakdown by varying the pressure points on the skin. Alternating cushions on the Philips Respironics AF541 mask offloads pressure points on the skin to better support your mask rotation strategies.

Schallom M, Cracchiolo L, Falker A. Pressure ulcer incidence in patients wearing nasal-oral versus full-face noninvasive ventilation masks. *American Journal of Critical Care Medicine*. 2015;24(4):349-356.

Achieving the right fit

Fitting the **over-the-nose cushion** with CapStrap headgear



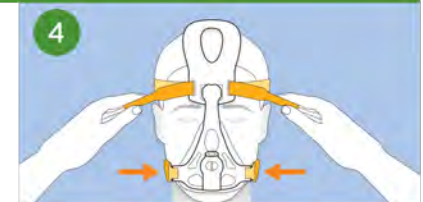
- Use the sizing guide to identify the correct over-the-nose cushion
- With patient mouth slightly open, line up the crease between the lip and the chin to define the right size



- Assemble cushion onto mask frame, attach to the CapStrap, and place on top of the patient's head
- Tilt the mask away from the face to position headgear on the crown of the head



- Bring mask down to cover the patient's nose and mouth
- Press and hold the forehead adjuster button to slide the frame toward/away from the face to manage leaks and maximize comfort



- Attach the talon clips to the mask
- Facing the patient, adjust both top headgear straps at the same time
- Repeat with bottom straps
- Then adjust crown strap at the back



- Connect the mask to the patient circuit disposable exhalation port (DEP)



- Ensure the mask is comfortable on the face
- The bottom of the cushion should rest just above the chin with the mouth slightly open

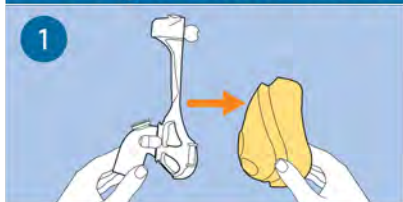


- With your patient at a 45-degree incline, continue noninvasive ventilation, instructing the patient to breath normally



- Continue to assess the patient for skin irritation
- Continue to monitor for patient comfort

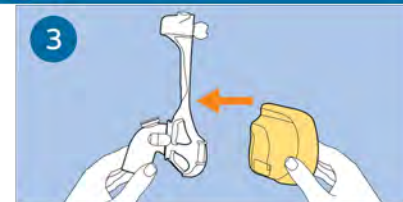
Fitting the **under-the-nose cushion** with CapStrap headgear



- Grasp the sides of the over-the-nose cushion
- Remove it from mask frame
- Place it in its Clean Clip Shell for future use



- Use the sizing gauge to identify the correct under-the-nose cushion



- Hold sides of under-the-nose cushion and push it onto the mask frame
- Follow steps 2 – 8 above to fit the under-the-nose cushion



- Remember that the bottom of the cushion should rest just above the chin with the mouth slightly open
- The cushion should rest under the patient's nose (never over the patient's nose)

The AF541 can be used in multiple acuity settings and has intended use in both hospital and home.

Hospital to home

Clinicians can now send patients home with a discharge kit



The kit includes:

- The patient's mask frame and cushion
- Amber EE Leak 2 elbow
- Capstrap or four-point headgear (3 each)
- Instructions to continue therapy at home

Summary



AF541 provides high performance for you, and comfort for your patients



AF541 supports your cost-effective mask rotation strategies with interchangeable cushions



AF541 is any easy-to-use, cost-avoidance technology

