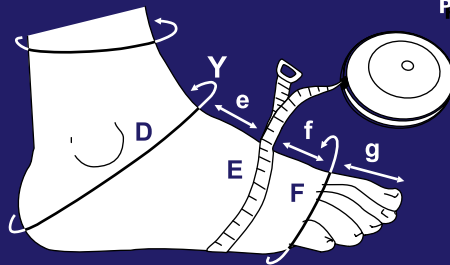


MEASURING FOR CUSTOM-MADE PRESSURE GARMENTS

THE HEAD AND NECK



Pressure Garments • Custom & Ready-Made



#32A Full Face Mask

Requested features:

1. color: C21 Beige (Tan)
2. crown insert to conform to an irregular cranium
3. chin lining to prevent skin breakdown from rubbing
4. no left ear opening

Informal sketches such as the chin lining shown here can be helpful. Use the illustrations on the appropriate measurement chart, a hand or foot tracing, the *Sketch Pad*, or a separate clean sheet of paper. Start with pencil and then go over it with a dark ink pen so it will come through in the fax.

Be careful to ensure that your written description of the feature is in agreement with the sketch.

In the case of this chin lining, detailed measurements are not necessary, but for some features measurements could be crucial. Call and speak with one of our designers before you send it if you are unsure.

HEAD & NECK MEASUREMENT CHART



PLEASE DO NOT WRITE IN MARGINS

2424 East University Drive, Phoenix, Arizona, U.S.A. 85034-6911
 VOICE: 800-421-5647 / 602-267-7854 • FAX: 800-650-9424 / 602-273-6931
 e-mail: bio-con@bio-con.com • worldwideweb: http://www.bio-con.com

Patient Doe, Jane
 Last Name First Name
 Bio-Concepts Use Only
 Date 10/8/07 Age 38 Sex F
 Garment color C21 Tan
 Insert Crown
 Lining Chin

CIRCLE ITEMS ORDERED
 Bio-Concepts Use Only: F=

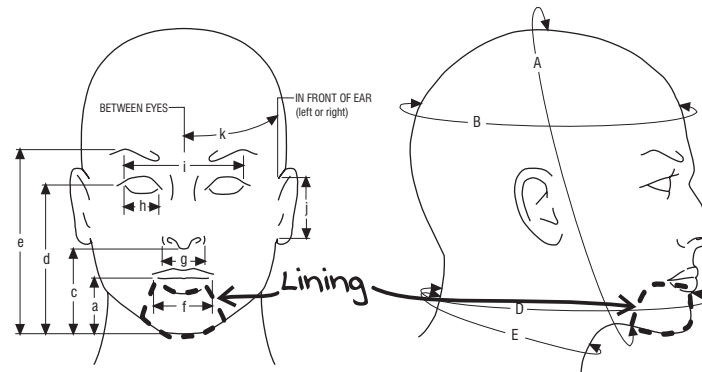
Additional instructions or comments:

omit left ear opening

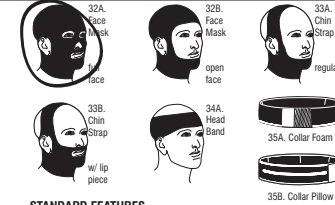
Refer to the Bio-Concepts Measuring Manual for detailed procedures, additional instructions, and example measuring charts.

REQUIRED MEASUREMENTS

Face Mask: ALL
 Chin Strap: A-E, a, e & f, j & k
 Head Band: B, and desired height of band in front
 Collar: E, and desired height of collar



PLEASE DO NOT WRITE IN MARGINS



STANDARD FEATURES

Face Mask: Hook & loop closure with hair protector
 Chin Strap: Hook & loop closure
 Head Band: Slip-on, no closure
 Collar: Hook & loop closure

	FACE MASK MEASUREMENTS	CHIN STRAP MEASUREMENTS
A	24 ¹	
B	22 ⁴	
D	17 ²	
E	13 ⁴⁺	
a	1 ⁴	
c	2 ⁴	
d	5 ²	
e	6 ¹	
f	20 ⁺	
g	1 ²	
h	1 ²	
i	4 ¹⁺	
j	2 ⁴	
k	5 ²	

BCI_39294

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See page 15 for an explanation of the shorthand measurement notation system.

Head Chart -- NEW PATIENT EXAMPLE

MEASURING THE HEAD

Make sure the head is level and facing straight ahead. The head should not be tilted or turned. It is usually best for the measurer to stand while the patient is seated. If there is a lot of hair on the head, determine whether the patient will wear the garment over the hair. If so, then the measurements should be taken over the hair.

Required Measurements

- Face Mask:** All.
Chin Strap: A-E, a, e, & f, j & k.
Head Band: B, and desired height of the band in front.
Collar: E, and desired height of the collar.

Standard Features

- Face Mask:** Posterior Hook & Loop closure with hair protector.
Chin Strap: Posterior Hook & Loop closure.
Head Band: Slip-on, no closure.
Collar: Hook & Loop closure.

Material

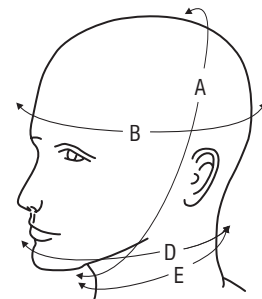
Unless otherwise specified, head garments will be made of close-knit material.

Procedure

Use the Bio-Concepts retractable tape for the circumference measurements, **A-E**, and the clear plastic ruler for the surface distances, **a-k**. Circumference measurements are designated with capital letters, **A-E**, and surface distances are indicated by lower case letters, **a-k**.

Begin with the circumference measurements, **A-E**, using the Bio-Concepts retractable tape. It is usually best for the measurer to stand while the patient is seated.

- A** From the chin-neck junction to the top of the back of the head. Place the tape just in front of the ears.
- B** Circumference around the top of the head, over the forehead just above the eyebrows.
- C** There is no **C** measurement for the head.
- D** Around the base of the head, from the nape of the neck to the chin. Place the tape on the nape of the neck between the lip and the point of the chin.
- E** The neck circumference from the nape of the neck to around the throat. For patients with a large "Adam's Apple" measure over the protrusion.



For a **#33A Chin Strap**, **#32A Full** or **#32B Open Face Mask**, all of the circumferences are required. For a **#34A Head Band**, only the circumference **B** (and the height of the head band) is required. For a **#35A-C Neck Collar**, only the circumference **E** (and the height of the collar) is required.

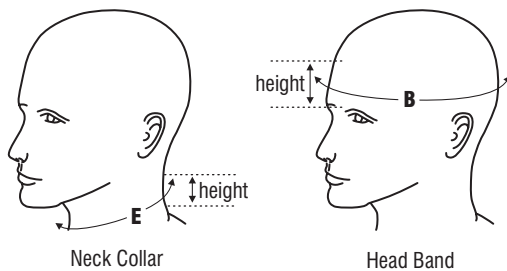
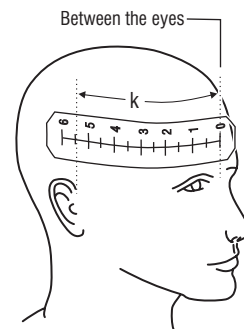
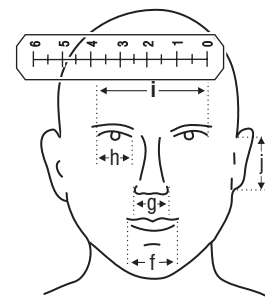
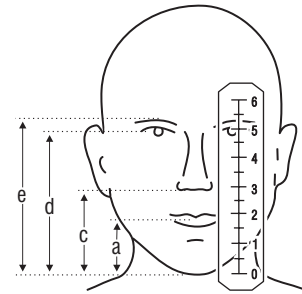
The distance measurements of the face should be taken using the clear plastic ruler. For these measurements, it is usually best to have the patient seated directly in front of the measurer who should also be seated. Use the clear plastic ruler for these measurements.

- a-e** Distance from the chin to center of the mouth opening, bottom of the nose, center of the eye, and the top of the eyebrow. Hold the clear plastic ruler perpendicular to the face and next to the nose. Position the 0.0 inch line of the ruler even with the point of the chin.
- g** Width of the nose.
- h** Width of the eye opening.
- i** Distance between the outsides of the eyes.
- j** Length of the ear vertically, from the top of the ear to the bottom of the ear where the ears attach to the head, not from the top of the lobe to the bottom of the lobe.
- k** Distance from the center of the brow, between the eyes to the front of the ear. Be sure to press the flexible clear plastic ruler against the patient.

For a **#32A Full** or **#32B Open Face Mask**, all of the measurements **a-k** are required. For a **#33A Chin Strap**, only the measurements **a, e-f, j-k**, are required. For a **#34A Head Band**, only the circumference **B** (and the height of the head band) is required. For a **#35A-C Neck Collar**, only the circumference **E** (and the height of the collar) is required.

Head Bands

A head band is typically used to apply pressure to the forehead. Circumference of the head at **B** and the desired height of the band measured in the center of the forehead. On the **Head & Neck Measurement Chart**, write **B** in the space provided on the form and write the height in the blanks for "Additional Instructions".



Neck Collars

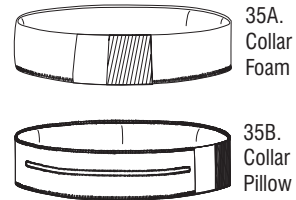
Circumference **E** around the neck and the desired height of the collar. On the **Head & Neck Measurement Chart**, write **E** in the space provided on the form and write the height in the blanks for "Additional Instructions". Neck collars are available in two styles:

35A Collar Foam

A foam pad to encircle the neck, fastened with hook & loop.

35B Collar Pillow

A fabric garment sewn in a tube configuration with an opening on the outside to insert padding, fastened with hook & loop.



35A.
Collar
Foam

35B.
Collar
Pillow

Common Options for Head & Neck Garments

Inserts

Crown and chin inserts are the most commonly requested insert styles for a head garment. A crown insert to provide conformability over an irregular cranium, and a chin insert to allow the patient to flex the mandible more easily. The nose or the ears may be made of Insert Material (see page 11) also.

Linings

Lining Material (see page 11) may be used to cover the chin for a patient who may experience skin breakdown. The elastic band at the bottom of the neck may also be lined with Lining Material to eliminate rubbing from the slightly coarser edges of the band. This is called a "drapelining".

Zippers

Face Masks, #32A and #32B, come with a hook & loop closure in the back of the head. Patients may occasionally request that the hook & loop closure be replaced with a zipper.

Additional Options

Ear, eye, mouth, and nasal holes on the face masks and chin straps may be omitted. This may be a very useful option if it is intended to install an orthoplastic or gel device under the garment, using it to hold the device in place. Alternatively, the therapist may wish to cut a hole in order to minimize the area exposed. Our fabrics do not fray or unravel when cut, although some have a tendency to tear at an unfinished opening.