

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## COUCH TABLE PADS



**Polyfoam:** High density foam that is supportive and comfortable for use in short duration procedures.

**Density:** 0.0288 gm/cm<sup>3</sup>

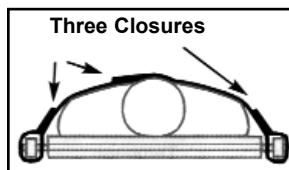
**Color:** Blue

**Covering:** Non-slip, long wearing nylon - water resistant seams.

Item #	Treatment Table Pad	Size
192-219	Polyfoam	19" x 72" x 1"
192-224	Polyfoam	24" x 72" x 1"

Custom Sizes are Available

## UNIVERSAL STRAPS



The two piece side rail Universal Straps are strong, durable and flexible. The end of each strap loops around the side rails and fastens to itself with a powerful new Velcro® hook. The two free ends are then overlapped onto one another to complete the strap. The Universal Straps will fit tables 18 - 30" wide.

Item #	Description	Width	Length
253-202	Universal Straps	2"	47" - 76"
253-204	Universal Straps	4"	47" - 76"
253-206	Universal Straps	6"	47" - 76"

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## SMOOTH MOVER™ PATIENT MOVER



The Smooth-Mover™ Patient Mover is an economical ultra smooth patented board which is capable of safely moving even extremely large patients with minimal staffing requirements. It is radio-translucent and can be left in place during x-ray procedures. It is lightweight, yet durable. Perfect for daily patient moving needs.

### Specifications

**Dimensions:** 3/16" x 22" x 72" (0.5 x 56 x 183 cm)

**Weight:** 9 lb (4.1 kg)

**Color:** Royal Blue

Item #	Description
268-000	Smooth Mover™ Patient Mover
268-030	Wall Hanger for Smooth-Mover™ Patient Mover

## I.V. POLE

Attaches To The Treatment Couch Rails



The I.V. Pole has an adjustable locking ring to prevent the post from dropping if the rail holder loosens. Rail block must be ordered separately.

### Specifications

**Material:** Stainless Steel

**Length:** 48"

**Hooks:** 2 ram horn type hooks

**Mount:** Rail accessory or RPD accessory rail blocks

Item #	Description
255-302	I.V. Pole, Varian, Post Size: 3/4" Dia. x 48" L
255-303	I.V. Pole, Siemens, Post Size: 5/8" Dia. x 48" L
255-290	Rail Block, Varian, Rail Size: 0.375" x 1 1/8"
255-291	Rail Block, Siemens, Rail Size: 0.375" x 1"
255-292	Rail Block, Philips, State Rail Size
255-293	Rail Block, Oldelft, State Rail Size
255-294	Rail Block, Theratron-Equinox 0.250" x 1"

Other Manufacturers Available

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# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## ADJUSTABLE KNEE CRUTCHES

### Attach To The Treatment Couch Rails



The heavy duty steel post provides sturdiness and has an adjustable locking ring to prevent the post from dropping if the rail holder loosens. Rail block must be ordered separately.

Item #	Description
255-201	Knee Crutches, Varian, Post Size: 3/4" Dia.
255-220	Knee Crutches, Siemens, Post Size: 5/8" Dia.
255-290	Rail Block, Varian, Rail Size: 0.375" x 1 1/8"
255-291	Rail Block, Siemens, Rail Size: 0.375" x 1"
255-292	Rail Block, Philips, State Rail Size
255-293	Rail Block, Oldelft, State Rail Size
255-294	Rail Block, Theratron-Equinox 0.250" x 1"

Other Manufacturers Available - Sold in Pairs

The aluminum Adjustable Knee Crutches are covered with 3/16" beige, vinyl material. The Knee Crutch rotates to ensure patient comfort and a locking handle then secures the crutch in place.

## ARM BOARD / COUCH WIDTH EXTENDER

### For Attaching to Treatment Couch Rail



Item #	Description
255-002	Varian Spine Style Arm Board
255-003	Varian ETR Style Arm Board
255-008	Varian Ximatron Arm Board
255-020	Siemens Z-II Arm Board
255-022	Siemens Z-IV or Z-XT Arm Board
255-024	Siemens Mevasim "S" Arm Board
255-027	Siemens TEM Simulator Arm Board
255-030	Philips SL75 or SL25 Arm Board
255-060	Oldelft Simulator Arm Board

This clear lexan Arm Board (1/2" x 5" x 19") attaches to the treatment or simulator couch side rail and is used to support the arm or shoulder.

Other Manufacturers Available

## HAND GRIPS

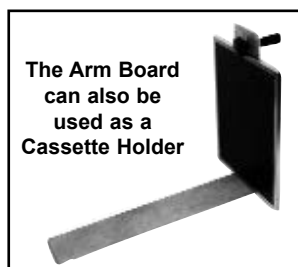
### Attach To Treatment Couch Rails



Item #	Description
255-101	Varian Hand Grips
255-120	Siemens Hand Grips
255-122	Siemens Mevasim "S" Hand Grips
255-130	Philips Hand Grips
255-160	Oldelft Hand Grips

Other Manufacturers Available

## ALUMINUM ARM BOARD

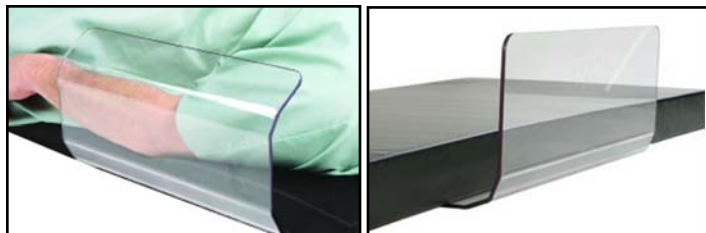


The Aluminum Arm Board is constructed of 3/16" (0.48 cm) thick aluminum. The arm rest is 5 3/4" (14.66) wide. The horizontal portion is approximately 28" (71.37 cm) long and the vertical portion is approximately 19" (48.43 cm) high. The handle can be adjusted over a range of 9 1/4" (23.58 cm).

Item	Description
250-000	Aluminum Arm Board
252-020	Replacement Knob for Arm Board
252-030	Replacement Handle for Arm Board

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## TOBOGGAN ARM/LEG GUARDS



255-500

255-504

**Small:** Great for upper body procedures; use when a shorter height or length is required. Also offers a better fit for pediatric, adolescent, and small patients. Smaller size reduces interference with overhead cameras and other surgical equipment.

**Medium (Standard):** Fits most average size patients' extremities. Available individually or in pairs.

**Large:** Accommodates larger arms and legs

**Extra Large:** Is 24" (60.96 cm) long to provide extra support and protection

Item	Toboggan Arm/Leg Guards	Size
255-500	Small, Pair	10" L x 6" H x 10.25" D (25.4 x 15.24 x 26.03 cm)
255-501	Medium, Single	15.75" L x 8" H x 10.25" D (40 x 20.32 x 26.03 cm)
255-502	Medium, Pair	15.75" L x 8" H x 10.25" D (40 x 20.32 x 26.03 cm)
255-503	Large, Pair	15.75" L x 10.5" H x 10.25" D (40 x 26.7 x 26.03 cm)
255-504	Extra Large, Pair	24" L x 9.5" H x 10.25" D (60.96 x 24.13 x 26.03 cm)

- Keep arms/legs on the table
- Help prevent accidental dislodgment of IV and arterial lines
- Help shield ulnar nerve against excess pressure

Toboggan Arm/Leg Guards are easy-to-clean radiolucent shields made of Vivak®, a crystal clear, extremely strong, and radiolucent material. Slide the toboggan under the pad and the patient's weight holds it in place. Top is curved on Items 255-500 through 255-503. Item 255-504 does not curve.

## NON-MAGNETIC SANDBAGS



Item	Description	Quantity
259-025	Sandbag, 7"x12" (17.8 x 30.5 cm)	5 lb (2.3 kg)
259-030	Sandbag, 7"x20" (17.8 x 50.8 cm)	10 lb (4.5 kg)
259-035	Sandbag, 11"x15" (27.9 x 38.1 cm)	15 lb (6.8 kg)
259-040	Sandbag, 8.5"x22" (21.6 x 55.9 cm)	20 lb (9.1 kg)

## GRIP RINGS™



from soil and body fluids. If the outer skin is cut or torn the inner cushion will not "sponge-up" liquids/fluids as some products that utilize conventional upholstery materials.

Grip Rings™ are blue in color, have a wall thickness is 1" (2.54 cm) and are virtually tear resistant.

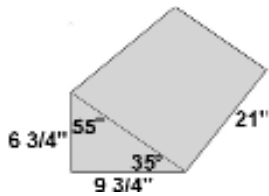
Item	Description
253-115	Grip Ring, 3" I.D.
253-116	Grip Ring, 4.25" I.D.
253-117	Grip Ring, 6" I.D.
253-118	Grip Ring, 10" I.D.
253-119	Grip Ring Set of 3, Includes 3", 4.25" and 6" I.D.
253-120	Grip Ring Set of 4, Includes 3", 4.25", 6" and 10" I.D.

The circular design of Grip Rings™ allows pressure to be evenly distributed, preventing harsh marks on the skin. The attractive and smooth outer skin becomes an integral part of the cushion through a high strength bond to the foam core. Only high tech, non-absorbing, closed cell cushioning mediums are encapsulated to ensure the highest measure of quality. The outer skin of tough vinyl is smooth and easy to wipe clean with most anti-bacterial solutions, and free of surface textures that trap and hold bacteria

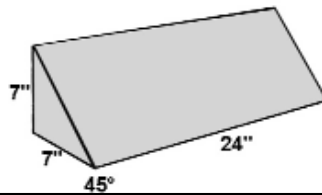
# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## FOAM POSITIONERS

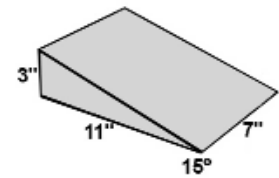
These foam positioners are made of a high density polyurethane foam covered in a durable, blue Sure-Check Microvent material. The fabric is whisper soft and comfortably quiet. It provides silent protection for both patient and pillow. It also contains thousands of microscopic air vents providing the ultimate in patient comfort. The fabric is fluid resistant and contains a unique antimicrobial system to protect the pillow fabric



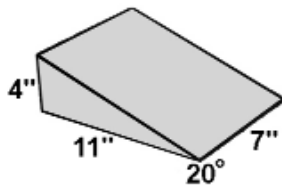
Item #	Description
258-100	Wedge 35/55° Angle



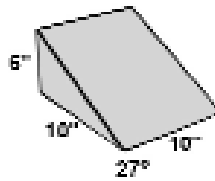
Item #	Description
258-102	Wedge 45° Angle



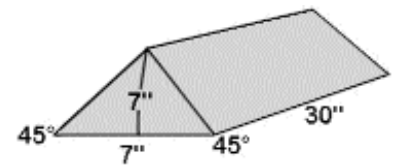
Item #	Description
258-104	Wedge 15° Angle



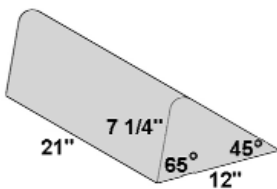
Item #	Description
258-106	Wedge 20° Angle



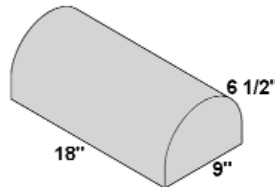
Item #	Description
258-108	Wedge 27° Angle



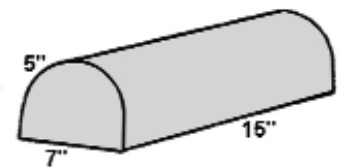
Item #	Description
258-110	Wedge 45° Angle



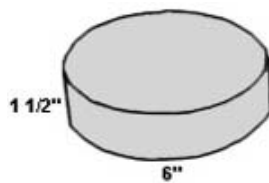
Item #	Description
258-112	Bolster 45/65° Angle



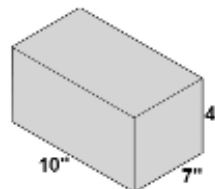
Item #	Description
258-114	Bolster



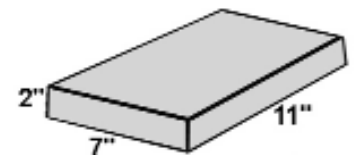
Item #	Description
258-116	Knee Bolster



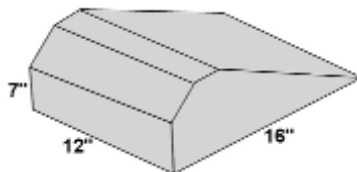
Item #	Description
258-118	Circle



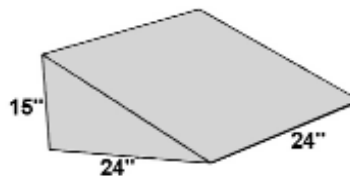
Item #	Description
258-122	Rectangle 10" x 7" x 2"
258-124	Rectangle 10" x 7" x 3"
258-126	Rectangle 10" x 7" x 4"



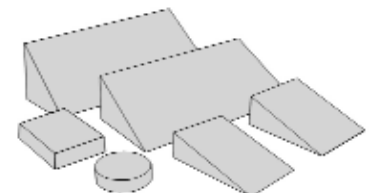
Item #	Description
258-120	Rectangle



Item #	Description
258-128	Torso Block



Item #	Description
258-130	Chest/Leg Elevator



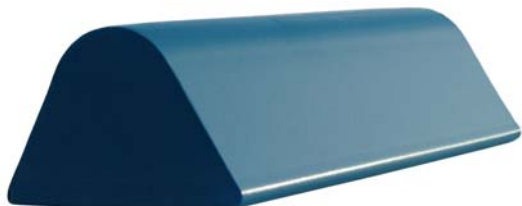
Item #	Description
258-135	Standard 6 Piece Set

**Item 258-135- 6 piece set includes:**

- 258-104 (15° Angle)
- 258-100 (35°/55° Angle)
- 258-106 (20° Angle)
- 285-102 (45° Angle)
- 258-118 (Circle)
- 258-120 (Rectangle)

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## COVERED FOAM WEDGE



**Cover:** Blue, anti-skid coating  
**Size:** 7 5/8" W x 17 3/4" L x 4 7/8" H (19.4 x 45.1 x 12.4 cm)

Item	Description
258-950	Blue Coated Foam Triangular Wedge

## LEG REST WITH KNEE CUT-OUTS

258-054



258-055



258-056



- Provides leg/knee support while maintaining hip flexion
- Relieves lower back stress and pain
- Stain-resistant coating is easily cleaned
- Knee cut-outs are 6" W x 2" D (15.24 x 5.08 cm) on all sides

### Specifications

**Color:** Black

Item #	Leg Rest with Knee Cut-Outs
258-054	Small, 18" W x 15" L x 5" H (45.7 x 38.1 x 12.7 cm)
258-055	Medium, 13" W x 17.5" L x 7" H (33.0 x 44.5 x 17.8 cm)
258-056	Large, 18" W x 24" L x 10" H (45.7 x 61.0 x 25.4 cm)

## ABDUCE KNEE POSITIONER SET



The purpose of this product is to arrange patients in an abduction pelvic position with maximum comfort.

This blue, vinyl-coated, semi-firm sponge can be very useful for treatment of the pelvis, hip and vulva/scrotum areas.

Place the sponge(s) under the femur/knee area with the lower side of the sponge, a ten-degree slant, toward the patient's trunk. The knee(s) are seated into the sponge's concave area.

The patient's feet can be held together with the grip ring. The set includes two positioners and one 6" (15.24 cm) grip ring.

Item	Description
258-300	Abduce Knee Positioner Set

## LEG IMMOBILIZER



Excellent to add comfort for patients treated in the prone position. Constructed of foam, covered with black vinyl.

### Specifications

**Size:** 16" L x 14" W x 6" to 11" H (40.6 x 35.5 x 15.2 to 27.9 cm)

Item #	Description
258-345	Elevated Leg Immobilizer

## DISPOSABLE FOAM HAND RING



The Foam Hand Ring is designed to maintain patient comfort and support throughout radiation therapy treatments, MRI and CT scans, or any procedure requiring complete patient immobilization for a quality treatment, image, or scan. Often, patients struggle to keep their arms still for a long period of time. This foam hand ring allows them to rest with ease.

The Hand Ring is made of a closed-cell polyethylene. It can be cleaned and wiped down, as it is a non-absorbent foam and therefore does not require a cover or coating, which can crack and become damaged. The ring is intended to be used per patient, or daily, and then thrown away.

### Specifications

**Outside Diameter:** 6"

**Inside Diameter:** 4"

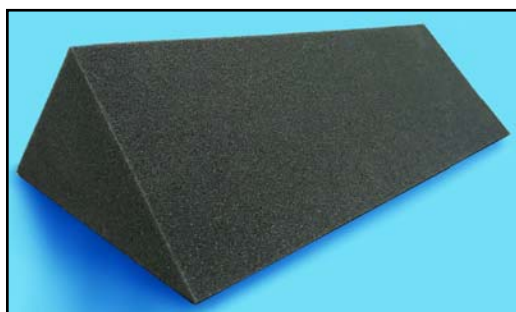
**Thickness:** 1"

### Benefits

- Patient Comfort
- Increased Immobilization
- Optimal Image Quality
- Disposable - Prevents Cross Contamination
- Non-Absorbent, Chemical Resistant
- 100% MRI Safe and Radiolucent

Item	Description	Quantity
258-400	Disposable Foam Hand Ring	50/Box

## DISPOSABLE FOAM WEDGE



The Foam Wedge is designed to maintain patient comfort and support throughout MRI or CT scans and X-ray procedures. The wedge is 45° which allows for total support of various patient positions. This wedge can be used for knee support during scans or therapy treatments, support for oblique positioning of the patient or even under a backboard for X-rays if needed. This wedge is convenient for trauma cases when disposal is necessary. The Knee Wedge is aimed for use in patients that should have their own accessories or in cases that a wedge needs to remain with a setup for a specific patient.

This wedge was developed for an ER department for trauma cases so it does not have a coating as it is intended for disposal after single patient use. This wedge has been found to have several uses in Radiation Therapy as well.

### Specifications

**Dimensions:** 20" W x 7" H

### Benefits

- Patient Comfort
- Disposable - Prevents Cross Contamination
- Extra Support
- Prevents Tech from holding a patient
- Non-Absorbent, Chemical Resistant
- 100% MRI Safe and Radiolucent

Item	Description	Quantity
258-420	Disposable Foam Wedge	5/Box
258-425	Disposable Foam Wedge	10/Box
258-430	Disposable Foam Wedge	20/Box

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## POSITIONING WEDGES



258-450



258-452



258-460



258-462



258-454



258-456

All of these positioning wedges are covered in polyurethane with an anti-bacterial coating. They can be cleaned with any standard cleaning wipes.

Item	Description	Size
258-450	Tri-Wedge, Short	7" x 7" x 20"
258-452	Tri-Wedge, Long	7" x 7" x 25"
258-454	Lateral Wedge	10" x 10" x 16"
258-456	30/60/90 Wedge	10" x 12" x 13" x 20"
258-458	Incline Wedge	3" x 18" x 24"
258-460	Roll Wedge	3" x 12" x 18"
258-462	XL Knee Wedge	18" x 30" x 8"

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## LEG STAND

For use in CT, MR, Radiation Therapy and Diagnostic Radiology



This leg Stand will support one leg in a cushioned cradle. The cradle swivels to allow for a comfortable position. The cradle height can be adjusted in 1" increments. The telescoping cradle post has 7 holes at 1" spacing to accommodate the locking rod.

The 10" square aluminum base has the cradle post welded to it and also includes rubber pads to minimize movement.

### Specifications

#### Cradle

**Width:** 5.1" (13 cm)

**Length:** 6.8" (17.5 cm)

**Pad:** 0.25" (0.635 cm) Blue Foam

**Base:** 0.25" (0.635 cm) White PVC

#### Base

**Base size:** 10" x 10" x 0.25" Thick (25.4 x 25.4 x 0.635 cm)

**Cradle Post Height:** 9" (22.86 cm)

**Minimum Height from Couch Top:** 7.1" (18.03 cm)

**Maximum Height from Couch Top:** 16.6" (42.16 cm)

**Base Material:** Aluminum

Item	Description
250-100	Leg Stand

- For use in CT, MR, Radiation Therapy and Diagnostic Radiology

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## ATTENUATE ARMS POSITIONER™

Includes One set of ComforCleers™ and Grip Ring



258-320



258-325

258-320 and 258-325

- CT Compatible
- Washable Blue Vinyl Covering

The Attenuate Arms Positioner is constructed of high density foam, soft, yet firm. A polyethylene base helps maintain rigidity and the handle on the base makes for ease in handling or hanging on wall. For head support use a Silverman head and neck Support.

Patients may be positioned with proper head support, arms extended above their head and placed onto the foam positioner. A slightly elevated angle allows the arms to rest, with an additional angle for the wrist area. Patients can hold onto the soft "Grip Ring" or just relax.

The Attenuate Arms Positioner includes the Positioner, one set of Head Supports and a 4 1/4" (10.8 cm) Grip Ring.

The Accessory Set is two blue vinyl coated foam positioners for under the upper arms. These provide additional support to the arms.

The Positioner and Accessory Set can also be used for supporting the lower legs when additional support is needed

### Specifications

**Size:** 20" W x 9.5" H (50.8 x 24.13 cm)

Item #	Description
258-320	Attenuate Arms Positioner
258-325	Attenuate Arms Positioner Accessory Set

## PRON PILLO®



The slight contour to the front of the Pron Pillo® gives comfort to the forehead. The open space for the eyes and nose puts less pressure near the eye area. The elevated base allows the patient to breathe freely while being in a comfortable position. The slight taper allows for the natural contour of most face sizes. The Pron Pillo® supports the head and shoulders. The shoulder support design provides comfortable space for the patient's chest area.

The Pron Pillo® is radiolucent but not artifact free, therefore, it is not recommended for inclusion in films. It is totally waterproof, has an easy to clean smooth finish, and is now made of a softer foam.

### Specifications

**Size:** 21" L x 18" W x 6" H (53.3 x 45.7 x 15.2 cm)

**Weight:** Less than 1 lb (0.45 kg)



Item	Description
256-000	Pron Pillo®

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## LUNG COMPRESSORS

### Air Compression Belt with Pressure Gauge and Tape Measure



The Lung Compressor is designed to put pressure just below the lungs to limit lung movement with respirations.

The Lung Compressor includes the Air Compression Belt that has an attached measuring tape with both centimeter and inch markings and the pressure gauge. The air bladder with a cotton cover is Velcro attached to a 60" (152.4 cm) long Velcro belt which is wrapped snugly around the patient just below the sternal notch. Once the belt and air bladder are in position on the patient, the air bladder is manually inflated with a hand pump. The included pressure gauge is used to record the amount of pressure used to achieve the desired limits of lung movement. This allows for reproducibility of the same amount of pressure for each treatment fraction.

These items can be cleaned by hand using a cloth dampened with a mild detergent dissolved in water. DO NOT SOAK MATERIAL. For stubborn spots or stains, use a soft brush and the solution. Allow material to air dry fully before reuse.

**Note:** Over inflation of the air bladder can cause seaming of the cover to rip, to prevent this from occurring re-tighten the belt.

These items can be cleaned by hand using a cloth dampened with a mild detergent dissolved in water. DO NOT SOAK MATERIAL. For stubborn spots or stains, use a soft brush and the solution. Allow material to air dry fully before reuse.

### Specifications

#### Item 260-301

**Material:** Velcro Hook and Loop, Cotton, Rubber

**Bladder Size:** 8.5" W x 4.5" H (21.5 x 11.4 cm)

**Compression Area:** 11" x 5.5" (28 x 14 cm)

**Belt Size:** 4" W x 60" L (10.1 x 152.4 cm)

#### Item 260-302

**Material:** Velcro Hook and Loop, Blue Nylon, Rubber

**Bladder Size:** 12.25" W x 5.5" H (31.1 x 14 cm)

**Compression Area:** 14" x 7" (35.5 x 17.8 cm)

**Belt Size:** 6" W x 60" L (15.2 x 152.4 cm)

Item	Description
260-301	Lung Compressor, Air Compression 4" Belt w/Gauge, Small
260-302	Lung Compressor, Air Compression 6" Belt w/Gauge, Large

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## BREATH HOLD ES™ Proactively Manage Respiratory Motion



### Base Unit with Remote Displays

The Base Unit connects to the bellows belt to measure air pressure and enable LED light display. The base unit also serves as a charger for the three Remote Displays.

The Wireless LED Display visualizes the air pressure as a series of lights to guide the patient through pre-selected breath-holds or reproducible shallow breathing.



### Measurement Tool

The Measurement Tool quantifies expansion of the bellows belt to enable reproduction of settings from SIM to treatment and between treatment days.



### Bellows Belt

The bellows belt contracts and expands on the abdomen with patient breathing.



### Clamp/Gooseneck

The Gooseneck holds the remote display, providing a flexible positioning for easy patient viewing. Various mounting options accommodate all table designs.



### Wireless Repeater Kit

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# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## Effective and Convenient Respiratory Motion Control for Radiation Therapy Procedures

The Breath Hold ES. is a motion management/ biofeedback device helping patients breathe in a consistent manner or breath hold at a particular point time. It allows for these breathing patterns or breath holds to be reproducible in a variety of procedures.

Highly effective, easy and convenient, Breath Hold ES™ delivers new precision for radiation therapy procedures involving the lungs and upper abdomen, where respiratory motion is an ongoing problem. Breath Hold ES™ combines an expandable bellows system, pressure-sensitive transducer tube that wraps around the patient's chest, and an LED display. During both planning and treatment, the device visualizes the respiratory cycle as a pattern of lights. This feedback effectively guides the patient towards a consistent pre-selected breath-hold position or a reproducible, shallow respiratory pattern.

### The Breath Hold ES. can be used in the following applications

- Radiation Therapy
- Left Breast Treatment (spare the heart)
- Imaging during Radiation Therapy Planning using CT or MR (Managing Motion during Imaging)
- Interventional Radiology (Biopsy of the lung)
- MRI Cardiac Imaging
- Lithotripsy (Treatment of kidney stones with sound waves)

### Make Respiratory Motion Control a Reality for Your Radiation Therapy Program Today

- Supports consistent breathing for imaging for therapy planning.
- Supports consistent breath-holds for RT delivery.
- Accelerates treatment time compared to gating.
- Greater comfort than compression devices.
- Easy patient set-up.

Medspira Breath Hold ES™ has been successfully used in radiation therapy (RT) programs nationwide for procedures involving the chest and upper abdomen. Breath Hold ES™ helps patients achieve the reproducible breath-hold points and the consistent shallow breathing that can potentially enable greater precision in targeting treatment areas as well as enhanced imaging for therapy planning.

### Integrate Respiratory Control into Your Program Today

If your facility relies on free breathing for challenging RT procedures, Medspira Breath Hold ES™ provides an important new option, making it easier than ever before to integrate respiratory control into your RT program. The device is simple to use and affordable - many patients report feeling empowered through their active involvement in breathing control and the therapy process. Lightweight and portable, Breath Hold ES™ can be shared among therapy suites. Technologists learn to use the device in a matter of minutes.

### Benefits Over Gating and Compression

If your facility currently uses gating technologies to compensate for breathing motion, Breath Hold ES™ may significantly accelerate procedure time - benefitting both workflow and patient care - while supporting a highly consistent and predictable breathing pattern for most patients. Additionally, compared to respiratory compression devices, Breath Hold ES™ provides a high degree of patient comfort and reliability.

## Enhanced Precision for Left Side Breast Cancer Therapy

Numerous studies have shown that during radiation therapy for left side breast cancer, reproducible breath-hold techniques support consistent positioning of the tumor to minimize radiation dose to the heart. With Breath Hold ES™, every radiation therapy site can help provide these patients with the carefully targeted treatment they need.

### Innovative Biofeedback-Based Control

For radiation therapy involving the chest and upper abdomen, including the lungs and left breast.

- Restricts tumor mobility and potentially minimizes treatment margins through consistent breath-holds or controlled shallow breathing.
- Relies on biofeedback for proactive patient breathing control
- Greater patient comfort than other motion control technologies
- Portable, standalone system, with easy patient set-up
- Compatible with any LINAC and CT system
- Simple and intuitive operation
- Developed by physicians at the Mayo Clinic
- Affordable pricing

### Keeping Technicians Informed in Real Time

A remote Breath Hold ES™ display that operates through protective bunkers enables technicians in the control room to follow the patient's breathing motion in real time.

### The system includes

- 1 - Base Unit / Docking Station
- 1 - Clamp/Gooseneck
- 3 - Remote Displays
- 1 - Wireless Extender Kit
- 1 - Power Supply
- 1 - Radiation Therapy Quick Reference Guide
- 1 - Measurement Tool
- 2 - Bellows Belt with Measuring Tape and Bellows Pads
- 1 - General Demonstration Video

### Warnings

- This product contains natural rubber latex in the bellows belt which may cause an allergic reaction.
- This system is not suitable for use in the presence of flammable anesthetics in combination with air, oxygen, or nitrous oxide.
- This equipment is not protected against ingress of water.

### Specifications

#### Power Requirements

**Remote Unit:** Battery 2 cell 7.4V, 2.4A

**Base Unit:** Battery 6 cell 12.0V, 5A

**Charger Input:** 100-240V, 2A, 50/60Hz

**Charger Output:** 12V, 5A

#### Operating Temperature Range

**0 to 3,000 ft (914 m):**

50° - 95°F (10° - 35°C): 101kPa to 91 kPa

**3,000 to 7,000 ft (2,134 m):**

50° - 89.6°F (10° - 32°C): 91kPa to 78 kPa

**Operating and Non-Operating Humidity Range:**

10% to 80% RH, non-condensing

**Shipping/Storage/Non-Operating Temperature Range:**

32° - 122°F (0° - 50°C)

**Shipping/Storage Humidity Range:**

10% to 90% RH, non-condensing

Item	Description
261-000	Breath Hold ES™ System

## CHILD CHIN SUPPORT with Angle Indicator



- Can be used in CT scans
- Useful for head stability when treating in a prone position
- Does not interfere with lateral brain and spinal fields
- Adjustable with angle indicator
- Comfortable for the patient
- Made of rigid plastic and aluminum
- Easily cleaned

Item	Description
257-201	Child Chin Support

## IMPROVED DUNCAN HEAD HOLDER



The Improved Duncan Head Holder offers head support for maintaining a patient's head in a proper, relaxed, comfortable alignment in the prone position. The Improved Duncan Head Holder doubles the thickness of the Plexiglas cradle for increased strength while adding rubber channeling to the rocker legs to help avoid slippage.

### Sanitary

Disposable, absorbent pre-cut tissue is available to place over the facemask, providing an barrier between the head holder and patient's face.

### Economical

The Plastic head holder can be reused with different patients. Simply purchase replacement polyfoam pads which affix to head holder using supplied double face tape.

### Specifications

**Size:** 8" W x 7.75" L x 5" H

**Weight:** 1.75 lb



248-201



248-202

Item	Description	Quantity
248-200	Improved Duncan Head Holder	
248-201	Disposable Paper Covers	100/Box
248-202	Replacement Foam Pads	6/Box

## HEAD SUPPORT SYSTEM



The Looking Forward Head Support System™ helps to provide head support to those suffering from symptoms and problems related to:

- Dropped Head (Dropped Head Syndrome)
- Tired Neck Muscles
- Poor Posture

The Looking Forward Head Support Band™ is a comprehensive device that will enable the wearer to lift their head with less effort, into a more upright and comfortable position. Activities such as eating and socializing are made more enjoyable and natural and a greater sense of freedom and independence is achieved.

There is no need to be confined to a chair or sitting position to wear the Looking Forward Head Support Band. A person is able to walk around freely and a better sense of balance may also be felt while wearing this system. Looking Forward Head Support Band is easy to use and comfortable to wear for hours at a time.

The Looking Forward Head Support Band™ is a one piece, comfortable stretch fabric with a hook and loop fastener.

To determine the size needed measure the person around the chest/torso under the breast but above the waist while wearing normal clothing.

Small: fits chest measurements 30"-36"

Medium/Large: fits chest measurements 37"-42"

Custom Extra Large: fits chest measurements 42" - 48"

Custom XX-Large: for chest measurements 49" or larger. Custom sizes are made to order - chest measurement must be specified.

### Disclaimer

The Looking Forward Head Support System™ is not intended to treat, diagnose or cure medical problems.

Please consult with your physician before using.

Looking Forward Head Support™ All Rights Reserved.

### Return Policy

For simple health and hygiene reasons the Looking Forward Head Support System is non-returnable.

### Patent no. US 9,198,794 B2

Item #	Description
253-890	Head Support System, Small, 30" - 36"
253-895	Head Support System, Medium / Large, 37" - 42"
253-900	Head Support System, Custom Extra Large, 42" - 48"
253-905	Head Support System, Custom XX-Large, 49" or more Custom Made to Order - Specify Size

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## TIMO FOAM HEAD-NECK SUPPORTS



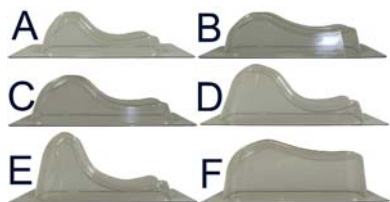
Item	Timo Head/Neck Support	Size in mm
248-000	Set, A thru F	
248-001	A, Red	125 W x 200 L
248-002	B, Green	120 W x 225 L
248-003	C, Blue	120 W x 235 L
248-004	D, Brown	125 W x 235 L
248-005	E, Yellow	125 W x 225 L
248-006	F, Gray	125 W x 235 L

### Specifications

**Material:** Coated urethane foam

## SILVERMAN HEAD-NECK SUPPORTS

Standard Trim - No Peg Holes



Item #	Silverman Head/Neck Supports
249-030	Set, A thru F
249-031	A
249-032	B
249-033	C
249-034	D
249-035	E
249-036	F

### Specifications

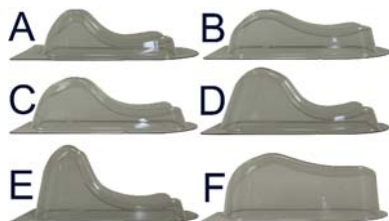
**Material:** Clear PETG

**Flange:** Rectangle

**Size:** 7" x 11.2" L (180 x 285 mm)

## SILVERMAN HEAD-NECK SUPPORTS

With Rounded End and Peg Holes



Item #	Silverman Head/Neck Supports with Peg Holes
249-050	Set, A thru F
249-051	A
249-052	B
249-053	C
249-054	D
249-055	E
249-056	F

### Specifications

**Material:** Clear PETG

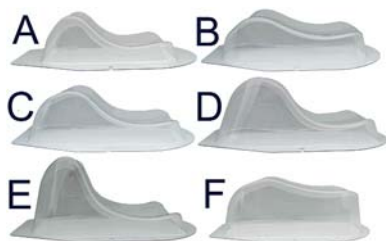
**Flange:** Rounded End

**Will fit Qfix/WFR boards**

**Does NOT Fit Bionix or CIVCO boards**

## SILVERMAN (BIONIX) HEAD-NECK SUPPORTS

With Peg Holes for Bionix Devices



Item #	Silverman (Bionix) Head/Neck Supports
249-021	A
249-022	B
249-023	C
249-024	D
249-025	E
249-026	F

### Specifications

**Material:** Clear PETG

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# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## MOLDCARE® CUSHIONS



262-174



262-1753



262-175



262-176



262-177



262-178



262-179



262-180

The MOLDCARE® cushions are customized head supports composed of a soft fabric bag containing expanded polystyrene beads coated in a moisture-cured resin. When activated with water, the pillow becomes rigid, conforming to the contours of the patient's head and neck. It can be used alone or on a Silverman Head Support to create the most comfortable and repeatable head support available.

Since MOLDCARE® has a low specific gravity (0.01) with a CT value less than -800, the device can be used in treatment with a CT simulator.

MOLDCARE® cushions are also MR compatible.

Item	MOLDCARE®	Size
262-174	Small Head Cushion	15 x 20 cm
262-175	Head Cushion	20 x 25 cm
262-1753	U Head Cushion	20 x 35 cm
262-176	Trapezoid Head & Shoulder Cushion	58 x 65 cm

Easy to use

1. Remove MOLDCARE® Cushion from package.
2. Fill spray bottle with room temperature or lukewarm water (up to 40°C/105°F).
3. Push spray bottle nozzle slightly against the cushion and spray a shot of water into the cushion. Repeat about 12 times approximately every 10 cm to ensure uniform dampening.
4. Place MOLDCARE® Head Cushion over head support.
5. Place patient's head on cushion, ensuring frame clears cushion, and form as desired.
6. Wait 5 to 10 minutes until pillow sets (once patient exits cushion, cushion continues the hardening process for another 10 minutes).

Item	MOLDCARE®	Size
262-177	Medium Cushion	20 x 45 cm
262-178	Large Cushion	40 x 60 cm
262-179	X-Large Cushion	60 x 60 cm
262-180	Spray Bottle for Moldcare Cushions	



## KLARITY™ CUSHIONS

- 100% nontoxic and odorless
- Can be reheated and reshaped
- Increased control of cervical spine area with low attenuation
- Comforting and calming for patients
- Preferred by therapists and clinics worldwide

Klarity Cushions are advanced indexing tools that provide secure, customized head and neck support for patients. These cushions are made from low-density thermoplastic-based materials that become soft and pliable when heated in an oven or water bath. After heating, Klarity Cushions offer warm and comforting support that has a calming effect on most patients.

Once cool, Klarity Cushions become firm and rigid, ensuring excellent reproducibility and precise placement for highly accurate treatment. Klarity Cushions can be used with Silverman headrests, and they also fit under a thermoplastic mask to create 360-degree custom support and immobilization. New Klarity Cushions with a Neck Insert can be used without a Silverman headrest, enabling optimal cervical spine support and immobilization.

The inner cushion contains a proprietary mix of high-quality, lightweight polystyrene surrounded by a thin layer of thermoplastic. The soft and stretchable outer covering is made of simple nylon fabric. All Klarity Cushions are 100% nontoxic, with minimal shrinkage and no odor. Klarity Cushions are one-patient, but they can be reheated and reformed if needed.

### Standard Klarity Cushions™



**Item 262-550** - a smaller version Item 262-552 is appropriate for patients with smaller head sizes, including pediatric and adolescent patients.

**Item 262-551** - is a standard Klarity Cushion with a little neck bump

**Item 262-552** - the standard Klarity Cushion is designed to fit over a Silverman for customized immobilization.

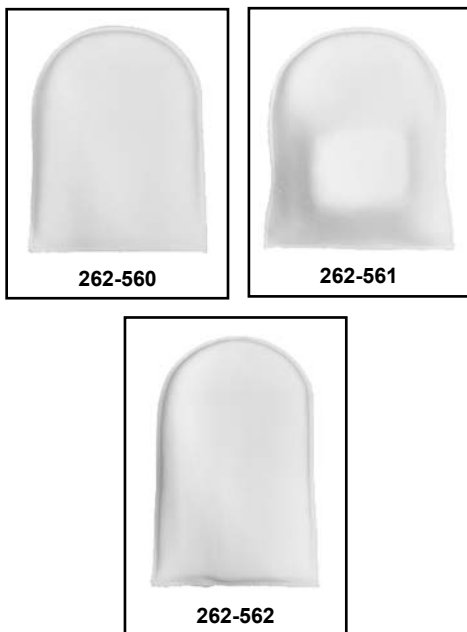
**Item 262-553** - has a slightly wider base of support for greater support under the head and neck as well as improved indexing. and works well on the Q1 headrest or a standard Silverman headrest.

**Item 262-554** - is a long, versatile Klarity Cushion that offers multiple types of custom support. It can be used to mold around the arm and wrist as well as other extremities that require customized positioning. This cushion can also be used under the head and neck with a standard Silverman headrest, providing a long line of support that extends from the C-spine to the crown of the head.

**Item 262-555** - the largest Klarity Cushion adapts well in situations requiring a large support base. The cushion can be molded around the extremities, or it can be used for full-torso support or extra pelvic cushioning.

Item	Klarity Cushions™	Size in cm
262-550	Standard Small	15 x 20
262-551	Standard with Neck Bump	15 x 25
262-552	Standard	20 x 25
262-553	Standard with Wider Base	23 x 30
262-554	Standard Large	20 x 40
262-555	Standard Largest	40 x 60

## Klarity U-Cushions™



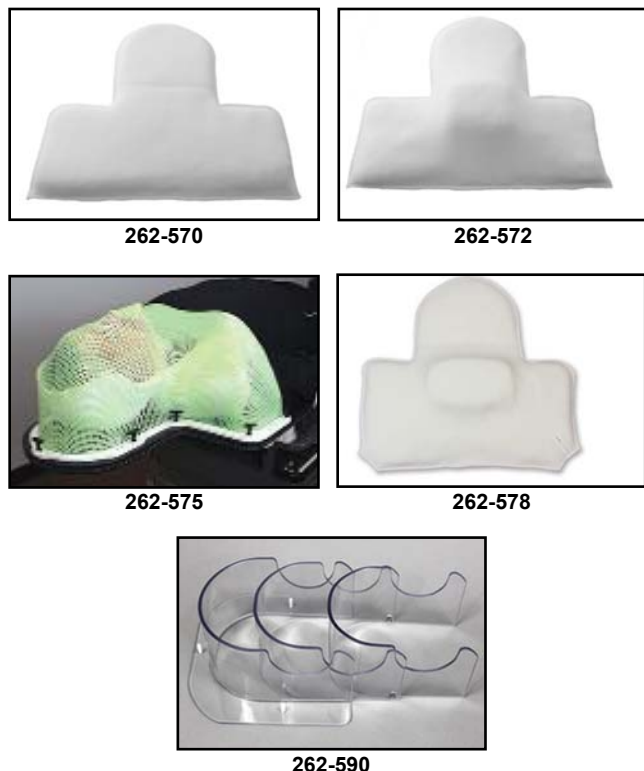
**Item 262-560** - features a curved top that allows the cushion to be patient with minimal adjustment. This eliminates the need to tuck away corners and enables the mask frame to come down evenly and securely. The U-Cushion indexes to both the crown of the head and the Silverman headrest, reducing pitch and providing even greater precision.

**Item 262-561** - has extra fill in the neck. This allows the cushion to be indexed without a silverman. It can also be used to provide custom pitch, and works well with deeper head cups that require thicker cushioning under the neck.

**Item 262-562** - is slightly longer, the additional length is excellent for deeper headrests or for customized positioning.

Item	Klarity Cushions™	Size in cm
262-560	U-Cushion	23 x 30
262-561	U-Cushion with Extra Neck Fill	23 x 30
262-562	U-Cushion, Longer	23 x 35

## Head and Shoulder Klarity Cushions™



**Item 262-572** - With extra fill in the neck area, it is ideal for situations requiring customized tilt and pitch of the head and neck, or when a large amount of build-up is needed under the C-spine. This cushion is designed for use without a Silverman headrest and indexes directly to the overlay or baseplate.

**Item 262-575** - provides the same head and neck support as Item 262-570 but extends further under the patient's back. This cushion sits underneath the scapula and wraps over the top of the shoulders. For optimal reproducibility, it should be used with a Head & Shoulder Mask.

**Item 262-578** - this is the most comprehensive Klarity Cushion. Designed for use without a Silverman headrest, this cushion indexes directly to the baseplate or overlay. The extra fill in the neck allows for custom positioning for precise tilt and pitch. The sides of the cushion wrap up and around the sides and crown of the head, creating a 360-degree shell around the patient. For optimal reproducibility, it can be used with a Head & Shoulder Mask.

**Item 262-590** - the Shell Mold is a reusable frame for molding Item 262-578. Once the cushion cools within the frame, the Shell Mold is removed before a mask is used. Includes three sizes.

Item	Klarity Cushions™	Size in cm
262-570	Head & Shoulder	46 x 41
262-572	Cushion Plus Head & Shoulder w/Neck Support	46 x 41
262-575	Head & Shoulder Extended	46 x 46
262-578	Cushion Plus Head & Shoulder Extended Shell w/Neck Support	46 x 50
262-590	Shell Mold f/S-Type & U-Frame Baseplates	3/Set

**Item 262-570** - provides the same head and neck support as standard Klarity Cushions, but it also extends down to sit underneath the scapula and wraps up over the shoulders for custom shoulder suppression. It fits over a Silverman headrest. For optimal reproducibility, it should be used with a Head & Shoulder Mask.

Others Cushions Available

## Klarity Cushion™ for Elekta Icon™ System



**Item 262-580** - designed for Elekta's Gamma Knife® Icon system, this cushion should be used with an Icon mask to provide precise fixation and comfortable support.

Item	Klarity Cushions™	Size in cm
262-580	Elekta Gamma Knife Icon System	17.5 x 35

## Klarity Cushion™ for Qfix® BoS™ System



**Item 262-585** - features an extended head portion to fit into the head cup and the extra fill in the neck area allows for customized support around the C-spine. The cushion wraps up over the shoulders to provide comfortable but firm shoulder suppression. When used with a Head & Shoulder Mask, this cushion enables indexing for the whole chest and shoulder girdle.

Item	Klarity Cushions™	Size in cm
262-585	Head & Shoulder f/Qfix BoS Proton System	46 x 45

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# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## DISPOSABLE PLASTIC HEAD HOLDERS



Item #	Description	Diameter	Quantity
246-000	Plastic Head Holders	7.25" (18.4 cm)	50
244-000	Plastic Head Holders	6" (15.2 cm)	50

## TENSION BOARD

### Arm to Foot Adjustable



A 'D' style handle is connected to a spring and then to an adjustable leather strap. For easy adjustment, the leather strap has holes every inch and is numbered every fifth hole. The leather strap simply slips over a pin on each side of the foot board.

Item#	Description
253-100	Arm to Foot Tension Board

## BITE BLOCK SYSTEM



A fast set-up can be accomplished by using the Nasal or Bridge Trays. Rest the patient's head in the correct head-neck support, adjust the head, lower the nasal or bridge tray and lock to the desired position.

### Specifications

**Size:** 17" vertical post welded to a 10" x 13" base plate  
**Aluminum Base Plate has an Anti-Skid Rubber Base**

**Three Lock System:** Vertical, horizontal and tray angle

**Scales:** 15cm Vertical, 15cm horizontal and 180° tray angle

### Bite Block System Includes

- |   |  |
|---|--|
| (1) Adjustable Base Plate                   | (1) Tongue Tray  |
| (6) Head-Neck Supports with plastic bottoms | (1) Chin Tray  |
| (5) Adult Bite Tray                         | (1) 20 cm white plastic rule                               |
| (1) Child Bite Tray                         | (1) Cork Screw Tray w/four sample corks (one of each size) |
| (1) Nasal Tray                              |  |
| (1) Bridge Tray                             |  |

Item	Description
260-000	Bite Block System

Item	Accessories
260-008	Pediatric Adj Base Plate for Bite Block
260-010	Adult Bite Tray
260-011	Child Bite Tray
260-012	Nasal Tray
260-014	Bridge Tray
260-018	Tongue Tray
260-020	Chin Tray
260-022	Cork Screw Tray

The Bite Block System is a stand alone patient head immobilizer system that needs no fixing to a treatment table and can be moved from room to room. The aluminum base plate has protruding pins which fit into the holes of the attached plastic bottom of six different size head-neck supports, thus, locating it in a fixed position every time it is used. In some treatment set-ups it may be necessary to angle the head to the right or left. For these treatments, place the horizontal adjustable base plate on the base plate and lock in position with two thumb screws. The head-neck supports also fit onto protruding pins located on the horizontal adjustable base plate or the pediatric adjustable base plate.

A three lock system allows for easy adjustment and reproducibility. Vertical and horizontal adjustment is accomplished using 15 cm scales and two locking knobs. The bite block tray angle is adjustable using a 180° scale and is locked with a knob.

An easy to remove individualized bite tray uses dental impression material. The impression procedure takes ten minutes using Caulk Reprosil® Impression Material (Item 266-100), which must be ordered separately.

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## CAULK REPOSIL® IMPRESSION MATERIAL

For Use with Bite Trays



Caulk Reposil® Impression Material provides excellent dimensional accuracy and stability. This material is applied to the bite tray and a dental impression is made. One package will make 20 - 25 impressions. Note: Does not include mixing pad or caulk tray adhesive. Tray adhesive not recommended for bite trays that will be reused.

Item #	Description
266-100	Caulk Reposil® Impression Material

## CORKS



Sold 10 per package.

Item #	Top Diameter	Bottom Diameter	Length
274-812	2.8 cm	2.25 cm	3.0 cm

## BITE WEDGE



- Hygienic wrapping tears off easily for immediate access
- Sanitary, high-density polyethylene pad provides a firm protective cushion
- Pad is bonded to a tough but flexible double strength hardwood, assuring durability
- Wedges can be notched for the teeth (see picture above)

Item	Description	Quantity
274-100	Bite Wedge	12
274-100-1	Bite Wedge	144

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## PRONE BREAST SYSTEM - BASELESS

Created with a focus on ensuring patient comfort, re-positional accuracy and simplicity in use, the Bionix Prone Breast System reduces irradiation to the chest wall, healthy cardiac tissue and lungs. As the new generation of patient positioning, the system allows for even weight distribution and the accommodation of a diverse variety of patient sizes onto the system.

### Ease of Use

- Lightweight therapist-friendly device
- Locks down onto most treatment couches

### Dose Delivery

- Clinically enhanced design provides an unobstructed lateral field; the only thing between you and your target is the table
- Proprietary multi-layered variable density foam pad set makes setup accurate and reproducible, while keeping patients comfortable

### Comfort

- Dual foam, massage-style face cushion aides in patient comfort
- 15 degree contralateral wedge, to assist with patient tilt
- System includes one standard (small) opening breast bridge
- Optional large opening breast bridge is available
- **Made in the USA**

### This Prone Breast System Includes

- Prone Breast Pad Set
- Face cushion
- 15° Contralateral Wedge
- Handles
- Standard Opening Breast Bridge

Item #	Description
269-601	Prone Breast System-Baseless
269-602	Large Opening Breast Bridge - Optional
269-604	15° Contralateral Breast Wedge - Optional
269-461	Disposable Face Covers, 50/pkg

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## THE TREATMENT BRASSIERE

### A Treatment Brassiere to Improve Breast Radiation Therapy



Complete Treatment Brassiere



- Reshapes the ipsilateral breast more favorably for radiation treatments.
- Eliminates inframammary folds
- Reduces dose to the lungs, heart and ribs
- Both shape and position are accurately repeatable, treatment after treatment
- More uniform dose
- Reshapes the contralateral breast to move it away from the beams
- Simplifies application of IMRT to breast treatments

The Treatment Brassieres are breast cups formed of a transparent, semi-rigid plastic material.

Data on increased skin dose due to ipsilateral cup were submitted to the FDA. These data provided a comparison of skin dose increased by the Treatment Brassiere with the increase found for various thermoplastic positioning devices on the market. The skin dose due to the cup material (0.50 mm thick for small cups to about 0.63 mm thick for very large cups) was found to be substantially less than for other positioning devices. The FDA has issued a 510 (k) marketing clearance for the Treatment Brassiere.

#### Cup Selection

Cups are divided into four groups corresponding to small thoraxes (chest breadths from 27 to 32 cm), medium thoraxes (32 to 36 cm), large thoraxes (36 to 42 cm), and extra large thoraxes (over 42 cm).

Cup selection begins by measuring a patient's chest breadth when supine and wearing her clothing brassiere. This measurement indicates the size group (S, M, L, XL) containing the correct cup. Left and right cups are not interchangeable.

The ipsilateral cup is positioned repeatedly on the patient by markings made on the patient's skin through small holes at the medial, lateral and superior aspects of the cup flange.

Each cup is labeled to identify size group (S, M, L, XL), body Side (R or L), and breast volume.

**Item 674-100 Complete Brassiere Library Includes:** 20 Left and 20 Right Complete Treatment Brassiere

**Item 674-TBC** Portable 2 Tier, 8 post Storage Caddy with dust cover.

**Item 674-100-TBC** Includes 40 Cup Library and Caddy

#### Specifications

**Material:** Clear PETG Plastic

**Density:** 1.27 g/cm<sup>3</sup>

**Thickness Range:** .50 mm for smaller cups to .63 mm for extra large cups.

Item #	Description
674-100	Treatment Brassiere Library w/o Caddy, 40 Cups
674-TBC	Treatment Brassiere Caddy
674-100-TBC	Treatment Brassiere Library w/Caddy, 40 Cups

Item # - Patient Left	Item # - Patient Right	Volume	Treatment Brassiere Size	* Approx. Cup Size
674-100SL-200	674-100SR-200	200 ml	Small - Chest Breadth 27 - 32 cm	A / B
674-100SL-300	674-100SR-300	300 ml	Small - Chest Breadth 27 - 32 cm	B / C
674-100SL-400	674-100SR-400	400 ml	Small - Chest Breadth 27 - 32 cm	B / C
674-100SL-500	674-100SR-500	500 ml	Small - Chest Breadth 27 - 32 cm	C
674-100SL-600	674-100SR-600	600 ml	Small - Chest Breadth 27 - 32 cm	C / D
674-100ML-250	674-100MR-250	250 ml	Medium - Chest Breadth 32 - 36 cm	B
674-100ML-500	674-100MR-500	500 ml	Medium - Chest Breadth 32 - 36 cm	C
674-100ML-750	674-100MR-750	750 ml	Medium - Chest Breadth 32 - 36 cm	C / D
674-100ML-1000	674-100MR-1000	1000 ml	Medium - Chest Breadth 32 - 36 cm	D / DD
674-100ML-1250	674-100MR-1250	1250 ml	Medium - Chest Breadth 32 - 36 cm	DD
674-100LL-500	674-100LR-500	500 ml	Large - Chest Breadth 36 - 42 cm	C
674-100LL-750	674-100LR-750	750 ml	Large - Chest Breadth 36 - 42 cm	C / D
674-100LL-1000	674-100LR-1000	1000 ml	Large - Chest Breadth 36 - 42 cm	D / DD
674-100LL-1250	674-100LR-1250	1250 ml	Large - Chest Breadth 36 - 42 cm	DD
674-100LL-1500	674-100LR-1500	1500 ml	Large - Chest Breadth 36 - 42 cm	DD / DDD
674-100XLL-1000	674-100XLR-1000	1000 ml	X-Large - Chest Breadth 42 cm - Over	D / DD
674-100XLL-1500	674-100XLR-1500	1500 ml	X-Large - Chest Breadth 42 cm - Over	DD
674-100XLL-2000	674-100XLR-2000	2000 ml	X-Large - Chest Breadth 42 cm - Over	DD / DDD
674-100XLL-2500	674-100XLR-2500	2500 ml	X-Large - Chest Breadth 42 cm - Over	DDD
674-100XLL-3000	674-100XLR-3000	3000 ml	X-Large - Chest Breadth 42 cm - Over	DDD

\* Breast Sizes (volumes) correlate poorly with clothing brassiere cup sizes.

## COSMAS CUP



- Minimizes breakdown under the breast
- Daily setup for reproducibility is quick and precise
- Comfortable for patient
- Small and non-constricting
- Longer strap goes around patient's neck and attaches to shorter strap using hook and loop closure

The Cosmas Cup is a customized device that provides lift to the patient's breast and helps eliminate unwanted folds during radiation therapy treatment.

### Specifications

**Material:** Thermoplastic

**Thickness:** 2.4 mm



Item #	Cosmas Cup	Size	Quantity
674-200	Size B	5 cm x 22 cm	5/pkg
674-203	Size C	8 cm x 25 cm	5/pkg
674-204	Size D	10 cm x 28 cm	5/pkg

## MT SPANDAGE™ TUBLAR NET

### Latex Free Elastic Retainer Net



Tubular elastic stretch net can accommodate a wide variety of medical needs involving virtually every part of the body. Size should be determined by patient's shirt size.

Item #	Size	Length Stretched
674-308	Medium Chest	10 yards
674-309	Large Chest	10 yards
674-310	XL-Large Chest	10 yards
674-311	XX-Large Chest	10 yards
674-312	3X-Large Chest	10 yards

Others Sizes Available

## SUPER-ADHESIVE NYLON HOOK AND LOOP



An extra-strong, pressure-sensitive adhesive backing sticks where others fail. Adheres to most metals, plastics and painted surfaces.

### Specifications

**Temperature Range:** 0° to 120°F

**Color:** White

Item #	Super-Adhesive	Size
253-210	Hook	15' L x 1" W (38 x 2.54 cm)
253-211	Loop	15' L x 1" W (38 x 2.54 cm)
253-215	Hook	15' L x 2" W (38 x 5.08 cm)
253-216	Loop	15' L x 2" W (38 x 5.08 cm)



# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## TREATMENT CHAIR



This versatile Treatment Chair provides upright positioning for specialty treatment cases of head, neck, thorax, breast, and lung or for patients who have difficulty lying supine for treatments. The seated patient has improved comfort, increased lung volume and reduced respiratory motion.

The Treatment Chair has an open grid back that allows for posterior treatment of the breast, lung and thorax. Patient safety features for the treatment chair include a seat belt and a Velcro® chest belt with three vertical position locations. Patient comfort is enhanced with a vinyl covered foam seat cushion which is tapered lower at the back to prevent the patient from sliding forward and giving more support under the thigh. Velcro® tabs attached to bottom of the seat cushion make it non-slip and easily removable from the chair when installing on the treatment table.

The Treatment Chair Base attaches to the front or side of the couch. The carbon fiber couch uses four plastic blocks using t-bolts and wing nuts, or to couch rails using four plastic rail blocks specific to the couch with t-bolts and wing nuts. The chair front is designed to be referenced to the table edge or to the table rail for reproducibility. The chair back is then secured to the chair base with a knob. Once the chair back is secured to the base the chair back can recline to five positive-locking positions between -5°, 0° and 20° (85° to 110°). The chair back has a carbon fiber grid treatment window with 0.007" thick polyester covering to prevent skin protrusion through the grid. Under the carbon fiber and polyester the dose rate is less than 1 mm of water equivalent build-up.

The Treatment Chair includes a Baseplate with a Round Head Cup and Straps. The straps can be mounted in three different positions over the head (Forehead, Nose or Chin). The Baseplate is typically mounted on the Treatment Chair Back in positions A to M. Positions N to Z are used when the Baseplate is rotated 180 degrees for taller patients. A notch in the Baseplate references the Baseplate location on the Treatment Chair. The Baseplate has two location pins and is secured to the Chair Back with a knob when the location is determined.

The Treatment Chair includes the Arms Down Assembly that consists of two stainless steel L-Bars and Arm Cradles. The L-Bar has vertical markings of 1-15 cm and slides into a locking clamp with rotation indexing of 1-12 locations. The horizontal leg of the L-Bar has 4 hole locations, A-D, for placement of the Arm Cradle. The Arm Cradle is lined with a foam pad.

### Optional Items

**Item 254-050** The Baseplate for a U-Frame Head Mask accommodates a Silverman Head and Neck Support and a Standard U-Frame Thermoplastic Head Mask. A Spacer is also included if needed. This Baseplate is also notched for position location and has two location pins and is secured to the Chair Back with a knob. The Baseplate is typically mounted to the chair back in positions A to M. Positions N to Z are used when the Baseplate is rotated 180 degrees for taller patients. The Baseplate also has two positions, A and B, for the U-Frame Clamps. 'A' is used when the Baseplate is in the A-M position and 'B' is used when the Baseplate is used in the N to Z positions. Use standard procedure for forming head mask.

**Item 254-070** The Arms Up Assembly includes two vertical black posts, adjustable elbow support and handles. Each post is marked R or L indicating chair or patient right or left. Each post has a keyhole slot at the bottom which fits over a pivot pins located at the bottom center on each side of the chair. The post is then secured with a knob into an adjustable sliding lock. The Arm posts can be positioned in any of 6 anterior positions, indicated by the markings of 1-6 on the side of the chair and locked with a knob. The elbow support and handles can be moved vertically to fit the patient. The elbow support can be indexed from 0-33 cm and the handles can be indexed from 1-35 cm.

### Specifications

**Back Opening:** 20" Wide x 24.5" High (508 x 622 mm)

**Polyester covering Thickness:** 0.007" (0.1778 mm)

**Surface Exposure at 6 MV:** No reading was obtained under the polyester only. Under the carbon fiber and polyester the dose rate is less than 1mm of water equivalent build-up.

**Seat Size:** 25" Wide x 17.5" Deep (635 x 444 mm)

**Chair Base Weight:** 28 lb (12.7 kg)

**Weight with Chair Back and Arm-Down Supports:** 47 lb (21.3 kg)

**Total Weight with All Parts:** 57 lb (25.9 kg)

Item #	Description
254-000	Treatment Chair
Item #	Optional Accessories
254-050	Baseplate for U-Frame Head Mask
254-070	Arms Up Assembly

## BELLY BOARDS



A Belly Board is used to allow the intestinal tract to drop out of the treatment field. Treatment through the foam material has a low absorption of the beam. This unit is made of lightweight, non-breakable high density foam and is coated with a durable blue finish for easy cleaning. The light weight allows for easy handling of the Belly Board. The soft flexible surface provides patient comfort and helps retain excellent body positioning. The bottom surface is anti-skid on treatment and simulator couches. The Belly Board includes one opening reducer that when placed in the opening makes the size of the opening smaller.

A new option is Item 256-025, the Belly Board Thickness Increaser. This Belly Board Thickness Increaser can be placed under the Small Belly Board, Item 256-021; to increase the thickness of the combined Belly Boards to 8" (20.3 cm) The Belly Board Thickness Increaser has the same size opening as the Small and Large Belly Boards and has the same width and length as the Large Belly Board.

When the EXACT Enhance Bar (Item 244-250) is attached to the Belly Board with the Glue Dots (Item 244-256), the belly board can then be indexed using a Lock-Bar or a similar bar. This will allow positioning the belly board in the same position daily.

**Cleaning Instructions:** Soap and Water, 50/50 Bleach / Water or an ammonia solution can be used.

Efficacy of a Belly Board device with CT-Simulation in Reducing Small Bowel Volume Within Pelvic Irradiation Fields. By Indra J. Das, Ph.D., Int. J. Radiation Oncology Biol. Phys..., Vol. 39, No. 1, pp 67-76, 1977

### Specifications

#### Item 256-021 Belly Board, Small

**Material:** Foam  
**Density:** 0.03g/cm<sup>3</sup>  
**Opening:** 12 1/4" W x 13 3/8" L (31 x 34 cm)  
**Blue Reducer:** 11.8" W x 3.23" L x 4" T (30 x 8.2 x 10 cm)  
**Overall Size:** 20" W x 46" L x 4" T (50.8 x 117 x 10 cm)  
**Weight:** 6 lb (2.7 kg)

#### Item 256-025 Belly Board, Thickness Increaser

**Material:** Foam  
**Density:** 0.03g/cm<sup>3</sup>  
**Opening:** 12 1/4" W x 13 3/8" L (31 x 34 cm)  
**Overall Size:** 20" W x 58" L x 4" T (50.8 x 147 x 10 cm)  
**Weight:** 8 lb (3.6 kg)

#### Item 256-035 Belly Board, Large

**Material:** Foam  
**Density:** 0.03g/cm<sup>3</sup>  
**Opening:** 12 1/4" W x 13 3/8" L (31 x 34 cm)  
**Blue Reducer:** 11.8" W x 3.23" L x 7" T (30 x 8.2 x 17.8 cm)  
**Overall Size:** 20" W x 58" L x 7" T (50.8 x 147 x 17.8 cm)  
**Weight:** 14 lb (6.4 kg)

Item #	Description
256-021	Belly Board, Small
256-025	Belly Board, Thickness Increaser for 256-021
256-035	Belly Board, Large
244-250	EXACT Enhance Bar
244-256	Glue Dots, 60/Pkg

## PELVIS BELLY PLUS SYSTEM



269-655

The new generation of the Pelvis Belly Plus System comfortably positions patients, while achieving greater bowel displacement. The system is also easily transportable and provides every patient with the highest level of comfort.

### Ease of Use

- **Lightweight radiolucent T-form multi-treatment base**
- **Single lower extremity pad, with sculpted leg and thigh cushioning, provides greater support and comfort**
- **Therapist-friendly device, which makes it easy to transport from the simulation room to the treatment room**

### Dose Delivery

- **Proprietary multi-layered variable density foam pad set makes setup accurate and reproducible, while keeping patients comfortable**

### Comfort

- **Dual foam, massage-style face cushion aides in patient comfort**
- **Small and medium abdominal inserts accommodate a wide range of patient sizes, with an optional large abdominal insert package**

The Prone Belly Plus System will not accommodate thermoplastics.

### System includes

- Multi-treatment Base
- Pelvis Belly Pad Set
- Prone Face Cushion
- Handles
- Small Abdominal Insert
- Medium Abdominal Insert

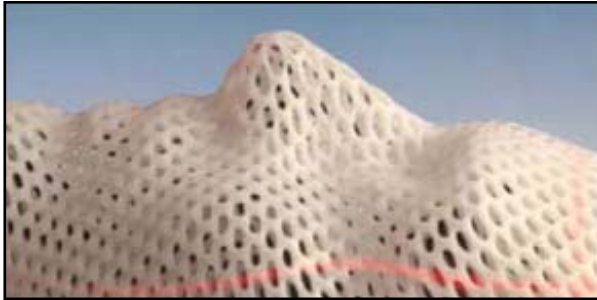
Made in the USA

Item #	Description
269-650	Pelvis Belly Plus System
269-461	Disposable Face Covers, 50/pkg
269-655	Large Abdominal Insert

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# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## AQUAPLAST RT®

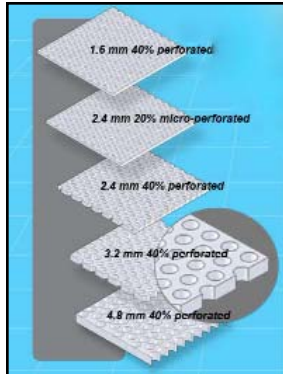


Aquaplast is available in two thicknesses (2.4 mm and 3.2 mm), and a variety of perforation patterns. The standard perforation pattern has a 40% open area. Also available is a 20% open (micro-perforated) pattern for certain applications. These percentages are approximate and vary based on sheet thickness.

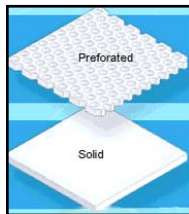
The consistent perforation pattern without solid areas results in a uniform shrinkage, forming a snug but comfortable mask without the bolus effect often associated with solid thermoplastics.

### Specifications

Color: Ivory

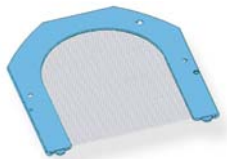


Item	Perforated Aquaplast Sheets	Size	Thickness	Quantity
RT-1781P	Prepunched on 9" (23 cm)	9" x 10" (23 x 25.5 cm)	2.4 mm	5
RT-1782	Unpunched	18" x 24" (46 x 61 cm)	2.4 mm	5
RT-1783P3	Prepunched on 12" (30.5 cm)	12" x 18" (30.5 x 46 cm)	2.4 mm	5
RT-1784	Unpunched	24" x 36" (61 x 91.75 cm)	2.4 mm	5
RT-1788	Unpunched	9" x 12" (23 x 30.5 cm)	2.4 mm	5
RT-1788P	Prepunched on 9" (23 cm)	9" x 12" (23 x 30.5 cm)	2.4 mm	5
RT-1892	Unpunched	18" x 24" (46 x 61 cm)	3.2 mm	5
RT-1896	Unpunched, Less stretch	24" x 36" (61 x 91.75 cm)	3.2 mm	5

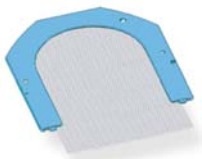


Item	Solid Aquaplast Sheets	Size	Thickness	Quantity
RT-1722	Unpunched	18" x 24" (46 x 61 cm)	2.4 mm	5
RT-1724	Unpunched	24" x 36" (61 x 91.75 cm)	2.4 mm	5
RT-1822	Unpunched	18" x 24" (46 x 61 cm)	3.2 mm	5

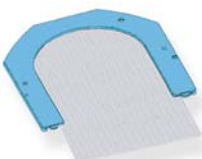
## AQUAPLAST TRADITIONAL U-FRAMES



Traditional Standard Mask



Traditional Extended Mask



Traditional Long Mask

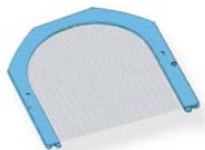
Item	Traditional U-Frames	Thickness	Quantity
RT-1779	Standard Mask	2.4 mm	5
RT-1889	Standard Mask	3.2 mm	5
RT-1989	Standard Mask	4.8 mm	4

Item	Traditional U-Frames	Thickness	Quantity
RT-1779X	Extended Mask	2.4 mm	5
RT-1889X	Extended Mask	3.2 mm	5

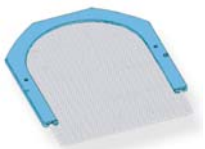
Item	Traditional U-Frames	Thickness	Quantity
RT-1779L	Long Mask	2.4 mm	5
RT-1889L	Long Mask	3.2 mm	5

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

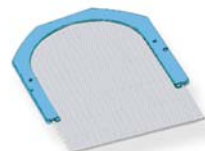
## AQUAPLAST SLIMLINE U-FRAMES



Slimline Standard Mask



Slimline Extended Mask



Slimline Long Mask



Slimline Open Eye & Mouth Mask

Item	Slimline U-Frames	Thickness	Quantity
RT-1779S	Standard Mask	2.4 mm	5
RT-1889S	Standard Mask	3.2 mm	5
RT-1989S	Standard Mask	4.8 mm	4

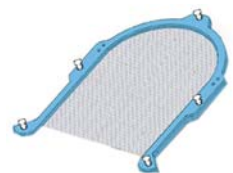
Item	Slimline U-Frames	Thickness	Quantity
RT-1779SX	Extended Mask	2.4 mm	5
RT-1889SX	Extended Mask	3.2 mm	5

Item	Slimline U-Frames	Thickness	Quantity
RT-1779SL	Long Mask	2.4 mm	5
RT-1889SL	Long Mask	3.2 mm	5

## AQUAPLAST OPEN EYE & MOUTH SLIMLINE U-FRAME

Item	Slimline U-Frame	Thickness	Quantity
RT-1889YSR	Open Eye & Mouth - Variable Perf	3.2 mm	5

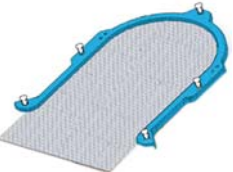
## AQUAPLAST HEAD ONLY S-FRAMES



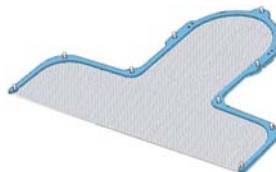
Head Only Standard Mask



Head Only Extended Mask



Head Only Long Mask



Head and Shoulder Standard Mask

Item	Head Only S-Frames	Thickness	Quantity
RT-1779SD	Standard Mask	2.4 mm	10
RT-1889SD	Standard Mask	3.2 mm	10

Item	Head Only S-Frames	Thickness	Quantity
RT-1779SDX	Extended Mask	2.4 mm	10
RT-1889SDX	Extended Mask	3.2 mm	10

Item	Head Only S-Frames	Thickness	Quantity
RT-1779SDL	Long Mask	2.4 mm	10
RT-1889SDL	Long Mask	3.2 mm	10

## AQUAPLAST HEAD AND SHOULDERS S-FRAMES

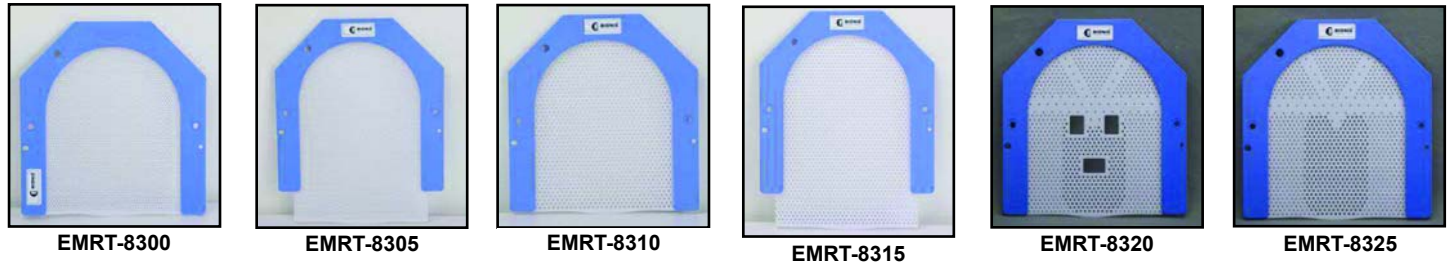
Item	Head and Shoulders S-Frames	Thickness	Quantity
RT-1782SD	Standard Mask	2.4 mm	10
RT-1882SD	Standard Mask - Less Stretch	3.2 mm	10
RT-1892SD	Standard Mask	4.8 mm	10

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## BIONIX® THERMOPLASTIC MASKS

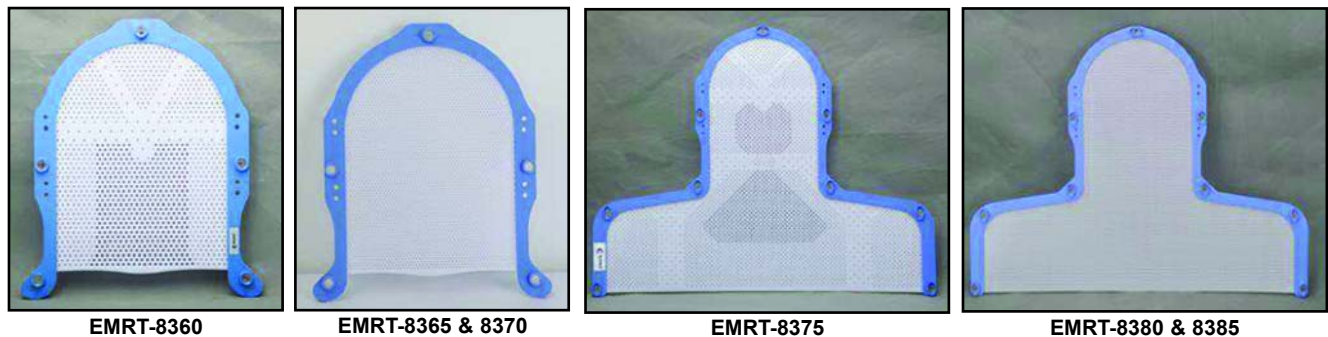
- Non-stick material provides improved patient comfort
- Pins smoothly lock and unlock, helping to keep the patient at ease
- Minimal shrinkage for continuous use
- Dry Oven and Waterbath compatible

Our newly enhanced, non-stick thermoplastic masks offer superior positioning, ease of use and provide improved patient comfort. The masks also feature convenient pins that are quiet and easy to use, enhancing patient and clinician satisfaction.



Item	Bionix® Standard U-Frames	Thickness	Quantity
EMRT-8300	10" x 10", Standard U-Frame	2.4 mm	10/Box
EMRT-8305	10" x 12", Extended U-Frame	2.4 mm	10/Box
EMRT-8310	10" x 10", Standard U-Frame	3.0 mm	10/Box
EMRT-8315	10" x 12", Extended U-Frame	3.0 mm	10/Box
EMRT-8320	10" x 10", Reinforced Claustrophobic U-Frame	2.4 mm	10/Box
EMRT-8325	10" x 12", Reinforced Extended U-Frame	2.4 mm	10/Box

Fits Most Head Boards Industry Wide

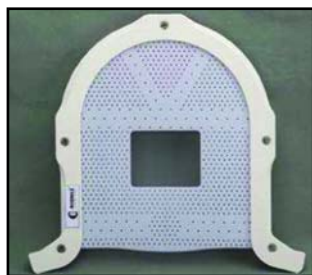


Item	Bionix® S-Type Frames	Thickness	Quantity
EMRT-8360	Head Only Reinforced S-Type	2.4 mm	10/Box
EMRT-8365	Head Only S-Type	2.4 mm	10/Box
EMRT-8370	Head Only S-Type	3.0 mm	10/Box
EMRT-8375	Head & Shoulder Reinforced S-Type	2.4 mm	10/Box
EMRT-8380	Head & Shoulder S-Type	2.4 mm	10/Box
EMRT-8385	Head & Shoulder S-Type	3.0 mm	10/Box

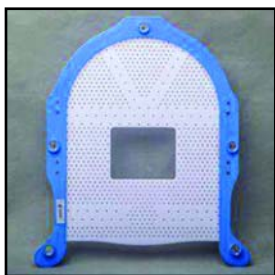
Fits S-Type System

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## BIONIX® FREEVIEW™ OPEN FACE MASKS



EMRT-8331



EMRT-8361

Bionix® FreeView™ Open Face Masks are designed with patient comfort in mind, while maintaining setup efficiency. The masks offer a light and smooth feeling creating a positive treatment experience for patients experiencing claustrophobia or anxiety.

Item	Embrace™ Thermoplastic Masks	Thickness	Quantity
EMRT-8331	FreeView™ Head Only Reinforced VersaFrame	2.4 mm	10/Box
EMRT-8361	FreeView™ Head Only Reinforced S-Type	2.4 mm	10/Box

Fits S-Type System & VersaBoard System

## BIONIX® THERMOPLASTIC MASKS FOR VERSABOARD™



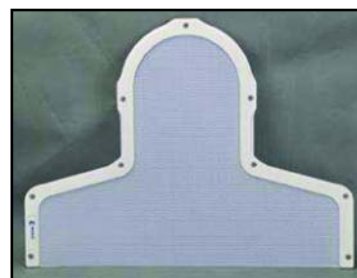
EMRT-8330



EMRT-8335 & EMRT-8340



EMRT-8345



EMRT-8350 & EMRT-8355

Item	Bionix® VersaBoard™ Masks	Thickness	Quantity
EMRT-8330	Head Only Reinforced VersaFrame	2.4 mm	10/Box
EMRT-8335	Head Only VersaFrame	2.4 mm	10/Box
EMRT-8340	Head Only VersaFrame	3.0 mm	10/Box
EMRT-8345	Head and Shoulder Reinforced VersaFrame	2.4 mm	10/Box
EMRT-8350	Head and Shoulder VersaFrame	2.4 mm	10/Box
EMRT-8355	Head and Shoulder VersaFrame	3.0 mm	10/Box

Used with Bionix VersaBoard & Max 3™ Plus Breast System

## BIONIX® VERSABOARD ULTRA MASK SET



Anterior Mask



Posterior Mask

Item	Description	Quantity
EMRT-8741	VersaBoard™ Ultra Thermoplastic Set	10/Box

Fits Bionix VersaBoard Ultra™

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## TRUGUARD™ Custom Tongue and Jaw Positioner



- Helps protect oral cavity from backscatter radiation by sparing surrounding soft tissue
- Reproducible, passive positioning of the tongue to separate sensitive, healthy tissue
- Compatible with all thermoplastic masks
- Advanced, custom positioning aid
- Quickly created within department
- Easy to assemble, clean and store

Bionix® TruGuard™ helps radiation therapy departments position and protect sensitive oral tissue with an easy to fit, custom device for head and neck external beam radiation therapy treatments.

Bionix® TruGuard™ is an advanced, customizable tongue and jaw positioner. It passively positions the tongue and jaw separating sensitive healthy tissue in a reproducible way. TruGuard also helps to improve patient care by protecting dental work from radiation helping to reduce backscatter. TruGuard™ is designed to be easily formed within the department during initial set up. It eliminates the time and hassle associated with “homemade” devices and eliminates the need to send the patient for an expensive prosthodontic.

One complete TruGuard includes the following components:

- (1) Dental Tray
- (1) Indexing Tab
- (1) Tongue Depressor
- (1) Spacer
- (2) Thumb Fasteners

Item 274-205, the standard TruGuard™ is ideal for patients with normal to small mouths.

Item #	Description	Quantity
274-205	TruGuard™ - Standard	5/Box

T



## BITELOK®

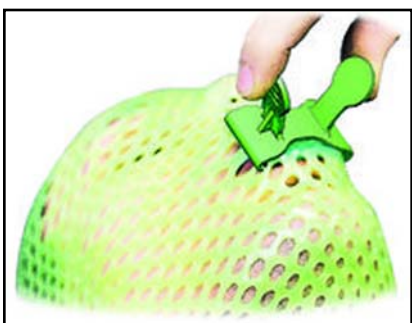
Higher Precision for Treatment Accuracy



The Klarity BiteLok is an improved, innovative design for increased head and neck immobilization. It is made of a rigid, breathable mouthpiece and indexes to the patient's mouth using fast-setting dental putty. No water or warming is needed to activate the putty. The BiteLok features a smaller profile than any other mouthpiece, and the wide airway passage allows for better breathability. The BiteLok is a significant advancement in comfortable, accurate positioning for head and neck treatments.



Once the BiteLok is indexed to the patient's mouth, a thermoplastic mask is placed overtop. While the mask is still warm, a hands-free QuickFit™ tool forms the mask around the edges of the BiteLok mouthpiece. The result is a secure, reproducible mouthpiece that indexes to both patient and mask, that can also be removed for cleaning. Once the mask has fully cured, the BiteLok can be removed from the mask by pushing the corner of the mask inward to release the mouthpiece.



Optional use tongue depressors and diverters allow for additional conformability and stabilization.

The BiteLok can be equipped with a tongue depressor for additional mouth placement options. The Tongue Depressors come in two different sizes (short and long), both offering a comfortable fit that keeps the tongue in a down position without obstructing the airway. The tongue depressors securely snap into the BiteLok. A removal tool is included if the tongue depressor needs to be removed or changed.

The BiteLok comes with a Right and Left Tongue Diverter. Each diverter is marked with "up", for easy placement. The Diverters securely snap into the BiteLok, and can be removed with a tongue device removal tool (included with package).

Each BiteLok includes:

- BiteLok
- Dental Putty
- QuickFit tool
- Tongue Depressors (long and short)
- Tongue Diverters (right and left)
- Tongue Device Removal Tool

\*US and International patents pending



Item#	Description
274-220	BiteLok

## KLARITY WHITE™ U-FRAME MASKS

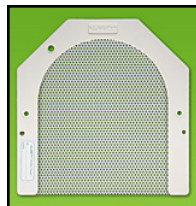
- **Low Melt Temperature:** Reduces set-up time and shrinkage for maximum patient comfort
- **Extended Molding Time:** Allows for longer manipulation time
- **Smooth Edge Comfort Design:** Reduces discomfort around the neck line

- **Low Profile Frame:** More beam angles can be utilized
- **ID Label**
- **Fit most head and neck boards in the industry**



**Item KLRT-450U Klarity ContourFrame™**  
(9" x 10", 2.4 mm)

- Reinforced nose for added rigidity
- Contoured, perforated patch pattern for easier breathing and increased comfort for the eyes and mouth



**Item KLRT-430W Klarity ProfileFrame™**  
(10" x 10", 3.2 mm, 42% Perforation)

- Narrow frame and more thermoplastic



**Item KLRT-430UC Klarity EzeFrame™**  
(9" x 10", 3.2 mm)

- Thicker for a more rigid mold
- Smooth edge comfort design exclusively



**Item KLRT-431W Klarity ProfileFrame™**  
(10" x 12", 3.2 mm, 42% Perforation)

- Narrow frame and more thermoplastic
- Extended length

Item #	Klarity White Masks	Thickness	Size	Perforation	Quantity
KLRT-420W	ProfileFrame	2.4mm	10" x 10"	36%	12
KLRT-421W	ProfileFrame Extended Length	2.4mm	10" x 12"	36%	12
KLRT-450U	ContourFrame	2.4mm	9" x 10"		12
KLRT-430UC	EzeFrame	3.2mm	9" x 10"		12
KLRT-430W	ProfileFrame	3.2mm	10" x 10"	42%	12
KLRT-431W	ProfileFrame Extended Length	3.2mm	10" x 12"	42%	12

Used with All Bionix Standard Headboards and Most Other Headboards

## KLARITY WHITE™ S-TYPE MASKS



**Item KLRT-461S**  
S-Frame, Head/Shoulder

- **Transmission factor is less than carbon fiber**
- **Easy-to-use push/pull expansion knob system**
- **Thermoplastic has minimal shrinkage**
- **Will not stick to the board or patients' clothes**
- **Low melt temperature**
- **Long melting period**

The S-Type thermoplastic line was designed to offer dependable immobilization for the S-Type system. Includes Push Pins.

Item #	Klarity White S-Type Masks	Thickness	Perforation	Quantity
KLRT-461S	Head & Shoulder	3.2 mm	42%	6
KLRT-461SH	Head	3.2 mm	42%	6
KLRT-464S	Head & Shoulder with IMRT AccuPerf	3.2 mm		6
KLRT-464SH	Head with IMRT AccuPerf	3.2 mm		6

Used with the S-Type Boards for Head and Neck IMRT

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## KLARITY GREEN® THERMOPLASTIC MASKS

- Least shrinkage of all leading thermoplastic masks
- Longer working time for detailed, better-fitting masks
- 100% non-stick surface when heated
- Low working temperature 160°-165° F
- Stronger than traditional RT thermoplastics
- Ultra-secure reinforcing perforation pattern
- Use with standard U-Frame systems from CIVCO, Klarity, WFR/Qfix, Bionix and others

The Karity Green thermoplastic masks fit on most major manufacturer's headboards and S-frame systems. Klarity Green thermoplastic material does not stick to itself and has a longer working time than other thermoplastic material.

The IMRT AccuPerf™ has higher fixation strength, minimal bolus effect, and better patient comfort.

### KLARITY ProfileFrame™ U-Frame Masks with KLARITY GREEN® Thermoplastic



KLRG-420W

- Superior U-Frame Head Mask for Standard Headboards
- Lowest shrinkage of all leading thermoplastic masks
- Wider Clearance for all head sizes
- 100% non-stick surface when heated
- Fits All Standard U-Frame BasePlates
- Stronger than traditional RT white thermoplastics

Item #	Klarity Green® ProfileFrame™ U-Frame	Thickness	Size	Perforation	Quantity
KLRG-420W	ProfileFrame	2.4 mm	10" x 10"	36%	12
KLRG-421W	ProfileFrame, Extended Length	2.4 mm	10" x 12"	36%	12
KLRG-430W	ProfileFrame	3.2 mm	10" x 10"	42%	12
KLRG-431W	ProfileFrame, Extended Length	3.2 mm	10" x 12"	42%	12

Used with All Standard Headboards

### KLARITY GREEN® ProfileFrame™ Masks with IMRT AccuPerf™



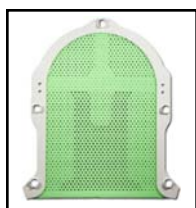
KLRG-430-1W



KLRG-464-1W

Item #	Klarity Green® ProfileFrame™ with IMRT AccuPerf™	Thickness	Quantity
KLRG-430-1W	ProfileFrame	3.2 mm	12
KLRG-464-1W	ProfileFrame, Extended Length	3.2 mm	12

### KLARITY S-Type Masks with IMRT AccuPerf™



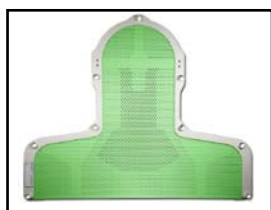
KLRG-461-4SHT



KLRG-461-5SHT

- T-Lok™ pin design for easy on/off and less breakage
- Use with standard S-Frame systems from CIVCO, Klarity, WFR/Qfix and others
- Includes Push Pins

Item #	Klarity Green® S-Type with IMRT AccuPerf™	Thickness	Quantity
KLRG-461-4SHT	S-Type Head	3.2 mm	6
KLRG-461-4ST	S-Type Head/Shoulder	3.2 mm	6
KLRG-461-5SHT	S-Type Head, Extended Length	3.2 mm	4



KLRG-461-4ST



KLRG-461-8SHTM



KLRG-461-8STEM

Item #	Klarity Green® S-Type with IMRT AccuPerf™	Thickness	Quantity
KLRG-461-8SHTM	Open Eye & Mouth Head	3.2 mm	6
KLRG-461-8STEM	Open Eye & Mouth Head & Shoulders	3.2 mm	6

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## UNLIMITED SCISSORS



The Unlimited Scissors cuts through softened or unsoftened thermoplastics with powerful leverage. The flexible, non-slip handles provide a comfortable grip for right or left hands.

Item #	Description
RT-4932	Unlimited Scissors

## THERAMARK



Designed specifically for use on radiation therapy immobilization masks, Suremark TheraMark is a precision label that allows technologists to accurately mark specific points for radiation treatment.

NOTE: Contains Natural Rubber Latex



Item	Description	Quantity
462-200	Suremark TheraMark	110/Box

## SOFTSTRIPS™ COVERS



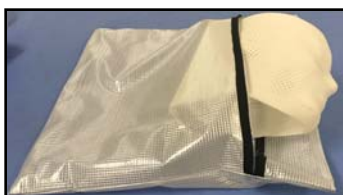
- Split backing for quick and easy applicaion
- 0.5" (1.27 cm) separated lateral slits for curved edges
- Cushioned for patient comfort and safety
- Rugged for use during entire duration of treatment

SoftStrips™ Covers are cushioned 1" wide (2.54 cm) adhesive tape designed to bring comfort to the patient from the sharp jagged edges created from holes cut out of thermoplastic masks. SoftStrips™ Covers have a convenient split backing enabling therapists to easily apply this cushy tape to the thermoplastic mask.

SoftStrips™ Covers have lateral slits every 0.5" (1.27 cm) to allow for easy adhesion around bends and curves. The SoftStrips™ adhesive is designed to remain on the thermoplastic mask for the duration of treatment, up to 8 weeks. They are perfect for covering the area around the holes for eyes, nose, and mouth

Item #	Description	Size
253-300	SoftStrips™ Covers	144" L x 1" W (366 x 2.54 cm)

## ANTIMICROBIAL STORAGE BAG FOR PATIENT TREATMENT DEVICES



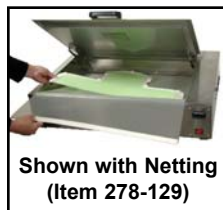
- Antimicrobial to prevent growth of microorganisms
- Self-deodorizing
- Approximately 20"x 20"
- Zipper to contain all contents safely
- Completely sealed to prevent cross-contamination between masks that may touch
- Can be given to the patient (since a lot of patients take their mask home with them) once treatment is completed

This storage bag was designed to contain a patient's individual treatment devices for the course of treatment. This storage bag will prevent cross-contamination to prevent infections. This bag also makes transport from CT Sim to treatment room easy and allows for easy organization in the treatment room. This storage bag is a per patient use and disposable.

Item #	Description	Qty
253-400	Antimicrobial Storage Bag f/Patient Treatment Devices	20/Box
253-405	Antimicrobial Storage Bag f/Patient Treatment Devices	50/Box
253-410	Antimicrobial Storage Bag f/Patient Treatment Devices	100/Box

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## DIGITAL THERMOPLASTIC WATER BATH



- Largest pan on the market
- Capable of holding the largest head & shoulder masks
- 3-position lid for use under existing cabinetry
- Temperature controller precise within  $\pm 1^\circ\text{F}$
- UL, CSA, CE Marked

The Digital Thermoplastic Water Bath is capable of handling the largest head and shoulder masks in the industry. The water bath features a hinged lid opening in four positions. This design is ideal when the unit is placed on a counter and under overhead cabinets. The Digital Thermoplastic Water Bath delivers precise temperatures within  $\pm 1$  degree.

All water baths must be plugged into a G.F.C.I. (Ground Fault Circuit Interrupter) protected AC electrical receptacle.

An optional item for the water bath is the Lifting Net for Thermoplastic Water Baths (Item 278-129). This net allows for lifting the frame out of the water without reaching into the water or using tongs.

### Specifications

**Inside Dimensions:** 26" W x 22" L x 5" H (66 x 55.9 x 13 cm)

**Overall Dimensions:** 33" W x 26" L x 8" H (83.8 x 66 x 20.3 cm)

**Material:** Stainless Steel

**Temperature Range:** 155°F to 175°F or 68°C to 79°C)

**Electrical:** Item 278-247: 120 VAC, 15 Amps, 50/60 Hz

Item 278-248: 200-240 VAC, 8 Amps, 50/60 Hz

**Plug:** Hospital Grade Power Cordset

**Weight:** 42 lbs (19 kg)

**UL, CSA and CE Marked**

**Note:** This unit ships on a skid via truck

Item	Description
278-247	Digital Thermoplastic Water Bath, 120 VAC
278-248	Digital Thermoplastic Water Bath, 220 VAC
278-129	Lifting Net for Thermoplastic Water Baths 22"x25-7/8"
878-160	Scotch-Brite Cleaning Pads, 10/Pkg

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# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## THERMOPLASTIC ELECTRIC HEATING PAN



- Tempered glass cover
- Cast aluminum base
- Nonstick surface, inside & out
- Fully immersible and dishwasher safe with heat control removed
- One year limited warranty

### Specifications

**Overall Dimensions:** 23" W x 13" D x 9" H (58.4 x 33 x 22.9 cm)

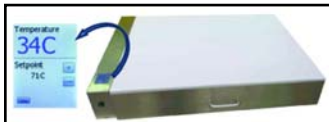
**Inside Dimensions:** 16" W x 12" D x 2" H (40.6 x 30.5 x 5 cm)

**Power:** 120 VAC, 1500 Watts

**UL Listed**

Item #	Description
278-051	ThermoPlastic Electric Heating Pan

## THERMOPLASTIC WARMING OVEN



This single-rack thermoplastic oven softens thermoplastic material used for immobilization during radiation therapy. This dry-heat system meets today's need for universal precautions to reduce cross-contamination that can occur in water baths and is a space-saving alternative to bulkier double-rack ovens.

Digital temperature control makes the process easy and intuitive to heat thermoplastic material to the proper consistency. Thermoplastic will be ready to use in 8-15 minutes (depending on the size of the material and whether it is framed or unframed).

The easy-sliding drawer opens fully to provide maximum access to the material.

### Specifications

**Outside Dimensions:** 31" W x 22" D x 5" H (79 x 56 x 13 cm)

**Rack Dimensions:** 26" W x 19.5" D (66 x 49.5 cm)

**Voltage:** 115 V 50-60Hz, 1350W

**Finish:** White baked enamel on cold rolled steel, stainless steel trim

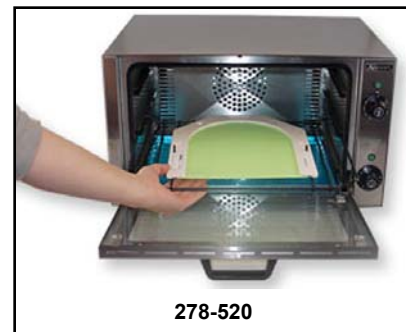
**Weight:** 46 lb (21 Kg)

Item #	Description
278-007	ThermoPlastic Warming Oven

- Space-saving
- Non-stick surface
- Insulated case
- Easy to use digital temperature setting
- Auto shut-down
- Touch Display
- Convection heat circulation
- Dry-heating eliminates risk of cross-contamination and disease transmission
- Single-rack oven is space-saving, compact
- Large capacity will fit head and shoulder masks or large thermoplastic sheets

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## KLARITY OVENS FOR THERMOPLASTIC MASKS



- Simple and easy to use
- Significantly reduced risk of bacterial infection
- Oven warms up quickly
- Non-stick surface
- Easy to clean

Klarity ovens are a simple and easy to use heating method for all thermoplastic masks, Klarity Cushions™ and other thermoplastic devices. Klarity dry-heat systems meet today's need for extra precautions to reduce cross-contamination during patient care. By using convection heat to prepare thermoplastics, we have removed the need for water baths, mitigating the risk of bacterial infection. The result is a safer, more effective heating method.

The Klarity AirFlow™ oven heats up in 6 minutes, and can be used with all standard thermoplastics. Non-stick Teflon racks allow masks to be placed directly on the rack for easy preparation. A simple interface automatically sets the oven to 165°F, and can be manually adjusted as well. The AirFlow Oven heats masks in 3-5 minutes and is the fastest oven available today.

Thermoplastics come out of the oven completely dry and ready to be formed. Klarity ovens remove unnecessary patient discomfort caused by water, allowing you to provide a better care experience for your patient.

### Item 278-513 and 278-514 Klarity AirFlow Ovens

These Klarity AirFlow Ovens are our most advanced and efficient dry heating option. The oven features two shelves allowing multiple thermoplastic devices to be prepared simultaneously. Ovens are equipped with cordset and NEMA plug.

#### Specifications

**Inner Dimensions:** 25" W x 19" D x 10.5" H (64 x 48 x 27 cm)  
**Outer Dimensions:** 31.5" W x 34.5" D x 16" H (80 x 88 x 41 cm)  
**Finish:** Stainless Steel  
**Weight:** 88 lb (40 Kg)  
**Voltage:** 110V

### Item 278-516 Stainless Steel Klarity AirFlow Oven Cart

The Klarity Stainless Steel AirFlow Oven Cart is a sturdy and flexible option for oven placement. The stainless steel cart is easy to assemble and is secure and durable. It supports the Klarity AirFlow Oven and comes with an additional shelf for storage.

#### Specifications

**Outer Dimensions:** 36" W x 30" D x 28" H (91.5 x 76 x 71 cm)  
**Weight:** 50 lb (22.7Kg)

### Item 278-517 Klarity AirFlow Oven CounterMount

The AirFlow CounterMount is a space-saving countertop extender for the AirFlow oven. The two HDPE plastic bars attach to your existing countertop and extend off the edge to support the oven feet. The AirFlow CounterMount comes with a template for installation, all hardware, and two lengths of bolts for different countertop thicknesses.

#### Specifications

Each mount is 3" W x 26" D x 1" H (7.6 x 66 x 2.5 cm)

### Item 278-520

The Klarity Mini Oven is an economical and easily transportable dry heat option. For Head Mask preparation and Small and Medium AccuCushion™ preparation only.

#### Specifications

**Inner Dimensions:** 15" W x 12" D x 10" H (38 x 30.5 x 25 cm)  
**Outer Dimensions:** 21" W x 19" D x 13" H (53 x 48 x 33 cm)  
**Finish:** Stainless Steel  
**Weight:** 34 lb (15.5 Kg)  
**Voltage:** 110V

Item #	Description
278-513	Klarity AirFlow Oven, 120 V
278-514	Klarity AirFlow Oven, 220 V
278-516	Stainless Steel Klarity AirFlow Oven Cart
278-517	Klarity AirFlow Oven Counter Mount
278-520	Klarity Mini Oven, 110V

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## SECUREFOAM™



SecureFoam™ is a two-part foaming agent developed to immobilize patients during radiation therapy treatment. SecureFoam™ offers the ability to quickly create an inexpensive, customized positioning device.

SecureFoam™ is available in three sizes to meet all of your needs: small, for pediatrics and small anatomical areas; medium, “ideal size” for breast and lung set-ups; and large, for large anatomical areas.

Each package contains:

- (1) 2 part foaming agent (A & B)
- (1) Large containment bag

Shelf Life: 6 Months

Item	SecureFoam™	Quantity
244-500	Small	10/Pkg
244-502	Medium	10/Pkg
244-504	Large	10/Pkg

- Maintains shape longer than the other two-part foams.
- Reimbursable as a complex treatment device.
- Simple & cost effective method of customized repositioning.
- Patient comfort liners are also available.
- Available in 3 volumetric sizes to meet your patient positioning needs.



## SECUREVAC™ CUSHIONS



SecureVac™ Cushions are customizable devices designed for long-term, multi-patient use. The SecureVac™ Cushions are constructed from a durable nylon material in our signature navy color, with an unparalleled one year warranty. The SecureVac™ Cushions maintain their shape during the course of treatment and can be used with a variety of Bionix Radiation Therapy adapters to reproduce patient setup.

Item #	SecureVac™	Size	Liter Fill
244-404	Cushion	70 x 50 cm	15
244-406	Cushion	70 x 70 cm	20
244-410	Cushion	100 x 70 cm	35
244-412	Cushion	100 x 100 cm	50
244-414	Cushion	150 x 70 cm	55
244-416	Cushion	150 x 100 cm	80
244-395	Cushion	80 x 150 cm	35
244-396	Cushion	80 x 150 cm	47
244-397	Cushion	80 x 150 cm	55
244-398	Cushion	80 x 150 cm	70
244-442	Repair Kit		

- Manufactured from thick nylon for a durable, rigid mold
- Includes dual check valve and hose clamp to reduce leakage
- Holds form for an entire treatment cycle (6 - 8 weeks)
- Adaptable to industry standard pumps
- Locks down to a variety of tabletops

## MULTI-CHAMBER SECUREVAC™ CUSHIONS



### Item 244-420

#### SecureVac™ Tri-Vac, 3 Chambered Cushion

The Tri-Vac Cushion is designed for full body immobilization. The cushion has three separate chambers:

- Upper Chamber 60 L x 100 W cm, 28L Fill
- Middle Chamber 65 L x 70 W cm, 20L Fill
- Lower Chamber 90 L x 70 W cm, 35L Fill

### Item 244-422

#### SecureVac™ T-Vac, 2-Chambered Cushion

The T-Vac cushion has two separate chambers and is shaped like the letter "T". The shape allows the SecureVac™ Cushion to be a popular choice for immobilizing upper extremities. It works extremely well when utilized with a Butterfly Board.

- Upper Chamber 60 L x 100 W cm, 28L Fill
- Lower Chamber 100 L x 70 W cm, 30L Fill

Item #	SecureVac™
244-420	Tri-Vac, 3 Chambered Cushion
244-422	T-Vac, 2-Chambered Cushion

The Multi-Chamber SecureVac Cushions are produced using an innovative, patented design that provides therapists with the ability to easily create large full body molds.

Each sequential chamber is formed independently from the other to ensure a custom mold is formed around each patient's anatomical contours. The multi-chamber design also makes it easy to recreate a section without losing the entire mold.

## SECUREVAC™ PUMP & ACCESSORIES



244-430

The dual action pump easily inflates and deflates SecureVac Cushions for easy molding. An optional foot switch, Item 244-433 is available. A hose adapter must be ordered separately to connect the pump to a cushion.

Item #	Description
244-430	SecureVac Dual Action Pump, 110V
244-431	SecureVac Dual Action Pump, 220V

Item #	Pump to Cushion Hose Adapter	Length
244-440	Bionix Pump to Bionix Cushion	8' (2.4 m)
244-444	Bionix Pump to VacFix Cushion	8' (2.4 m)
244-446	Bionix Pump to CIVCO Cushion	8' (2.4 m)
244-448	CIVCO Pump to Bionix Cushion	6" (15 cm)
244-450	Central Vac Pump to Bionix Cushion	8' (2.4 m)



The foot switch connects to the Bionix SecureVac pump and inflates and deflates SecureVac cushions for easy molding.

Item #	Description
244-433	SecureVac Foot Switch
244-447	Hose Adapter, Bionix Foot Switch for CIVCO Cushion



The SecureVac Bar Adapter offers two points of localization to index your cushions to the treatment couch.

Item #	Description
244-432	SecureVac™ Bar Adapter



The T-Form SecureVac Box Adapter is radiolucent and offers four points of localization. The Box Adapter will create a reliable mold to ensure accurate patient setups.

Item #	Description
244-434	T- Form SecureVac™ Box Adapter

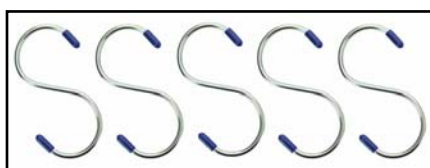


The Rolling Storage Cart safely and conveniently stores 7-10 SecureVac Cushions

### Specifications

**Size:** 61" L x 23" W x 65" H (155 x 58.5 x 165 cm)

Item #	Description
244-436	Rolling Storage Cart for Vacuum Cushions



S Hooks are available to hang your bags. They include plastic-covered tips which protect the bags.

Item #	Description
244-438	"S"- Hooks for Storage Cart, 5/Pkg

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# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

## VACFIX VACUUM CUSHIONS



- Reuseable
- Precise
- Comfortable
- Non-toxic
- Fast and easy to use
- Maintains shape throughout the 6 week treatment period
- Custom shapes and sizes available
- Cushions are MRI compatible
- Grommet may be added to any cushion to enable cushion to hang

VacFix Vacuum Cushions are the original, high quality reliable vacuum fixation cushions. They are engineered with the thinnest plastic foil available to eliminate the build-up effect while remaining extremely rigid and resistant towards foil rupture. The ability to mold very fine structures and thereby include the highest number of fixation points provides the optimal reproducibility - an issue that has become vital in modern radiotherapy and diagnostic procedures.

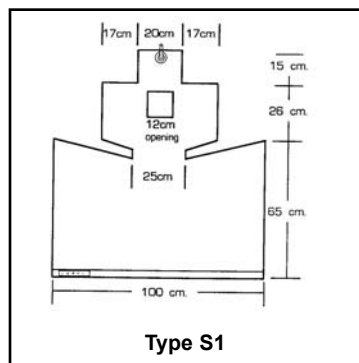
Item	VacFix Cushion	Size (W x L)	Liter Fill
244-108	Pelvic & Whole Body	100 x 150 cm	65
244-109	Pelvic & Whole Body	100 x 150 cm	70*
244-110	Pelvic & Whole Body	100 x 150 cm	75
244-111	Thorax	100 x 100 cm	35
244-112	Thorax	100 x 100 cm	40*
244-113	Thorax	100 x 100 cm	45
244-114	Thorax	100 x 100 cm	50
244-115-20	Breast	70 x 100 cm	20
244-116	Breast	70 x 100 cm	25
244-117	Breast	70 x 100 cm	30*
244-118	Breast	70 x 100 cm	35
244-119	Breast	70 x 100 cm	40

Item	VacFix Cushion	Size (W x L)	Liter Fill
244-120	Extremity	70 x 70 cm	15
244-121	Extremity	25 x 100 cm	6.5*
244-122	Extremity	25 x 100 cm	7.5
244-131	Extremity	25 x 50 cm	1.75
244-132	Extremity	25 x 50 cm	2*
244-133	Extremity	25 x 50 cm	2.25
244-140	Extremity	60 x 70 cm	12
244-142	Extremity	50 x 70 cm	12.5
244-143	Extremity	50 x 70 cm	15
244-144	Extra Large	100 x 50 cm	20

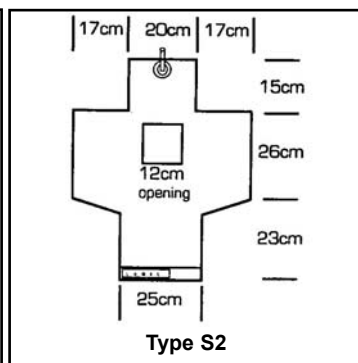
Specify if a Grommet is needed to Hang the Cushion. \*Suggested Liter fill for 1st order. Special sizes, shapes, and liter fill available.

# POSITIONING & IMMOBILIZATION, MASKS, CUSHIONS, CHAIR

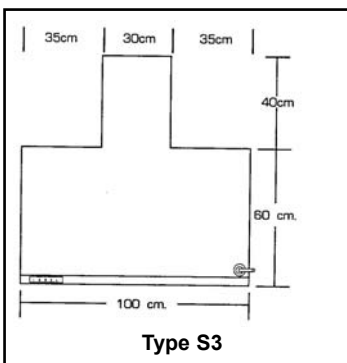
## VACFIX VACUUM CUSHIONS



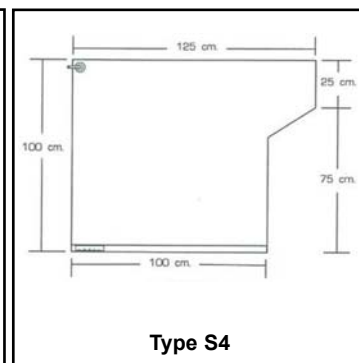
**Type S1**



**Type S2**



**Type S3**



**Type S4**

Item	Vac Fix Cushion	Size	Liter Fill
244-150	Head / Neck / Upper Thorax	Type S1	15
244-151	Head / Neck / Upper Thorax	Type S1	17.5*
244-152	Head / Neck / Upper Thorax	Type S1	20
244-153	Head / Neck / Upper Thorax	Type S1	25
244-160	Head / Neck / Upper Thorax	Type S2	3*
244-161	Head / Neck / Upper Thorax	Type S2	4
244-162	Head / Neck / Upper Thorax	Type S2	5

Item	Vac Fix Cushion	Size	Liter Fill
244-163	Head / Neck / Upper Thorax	Type S2	6
244-171	Head / Neck / Upper Thorax	Type S3	22.5*
244-172	Head / Neck / Upper Thorax	Type S3	25
244-173	Head / Neck / Upper Thorax	Type S3	30
244-188	Breast	Type S4	27
244-189	Breast	Type S4	30
244-190	Breast	Type S4	50

Specify if a Grommet is needed to Hang the Cushion. \*Suggested Liter fill for 1st order. Special sizes, shapes, and liter fill available.

## VACFIX VACUUM STATION AND ACCESSORIES



**Item 244-220 VacFix Pump**



**Item 244-230 VacFix Air Hose Assembly**

The VacFix Vacuum Station ensures ideal vacuum for firm and stable cushions. A tone sounds when the correct vacuum has been reached so there is no need to guess when a complete vacuum has been achieved. The station's lightweight design (just 25 lb or 11.3 kg) and handles for easy carrying make it ideal for the most crowded department.

When the right side of the foot pedal (vacuum side) is depressed once, the station will start and evacuate the air. When it is depressed again the station will stop.

When the left side (inflate side) is pressed, the system will force air into the bag as long as the pedal is pressed down.

### Using an existing form of vacuum

Your wall vacuum connection or an existing pump must be able to pull down to approximately 23" of mercury. If an in house vacuum system is to be used an adapter can be supplied upon request. This adapter will enable an existing 1/4" ID air hose to mate with the VacFix valve.

### Item 244-220 VacFix Vacuum Station

The VacFix Vacuum Station was designed to leave your hands free to mould the VacFix Cushions quickly and efficiently.

Includes: VacFix Vacuum Pump, VacFix Foot Pedal, VacFix Hose

Item	Accessories
244-195	VacFix Valve Clamp, 10/Pkg
244-214	VacFix Cushion Repair Kit
244-220	VacFix Vacuum Station
244-230	VacFix Air Hose Assembly for Hospital Central Vacuum

## VACUUM CUSHION STORAGE RACK



- Keeps molded cushion safe and clean for increased cushion life
- Suitable for space limited treatment areas
- Hooks allow for quick, easy removal and hanging
- Highly mobile rack can go just about anywhere
- Supports any size of vacuum cushion
- 4-inch casters for easy movement over a variety of surfaces
- Folds flat for storage when not in use

The Storage Rack, together with the VacFix Hooks, safely stores and organizes the molded cushions, keeping them off the floor and within easy reach. The rack also ensures that the cushions remain clean and are protected from damage, thereby extending cushion life.

### Specifications

**VacFix Hooks:** 10 per unit, steel

**Dimensions:** 48" L x 22" W (122 x 56 cm) with two 12" (30.5 cm) extensions, Height Adjustable to 55, 60, or 65" (140, 152.5, 165 cm)

**Weight:** 35 lb (16 kg)

**Caster Set:** 4" (10.2 cm), ball-bearing

**Construction:** Chrome-plated, one-inch steel tubing.

Item	Description
244-348	VacFix Storage Rack
244-349	Additional VacFix Hooks, 10 /Pkg

## VACUUM CUSHION STORAGE SHELVING



- Convenient storage for all sizes of vacuum cushions
- 4 inch casters provide mobility
- No hooks necessary
- Easy to assemble
- Adjustable rail height and straps

The Vacuum Cushion Storage Shelf was made to meet the need of storing the vacuum cushions used in radiation oncology departments. The shelves allow the molded cushions to be stored flat and off the floor, which prolongs the life of the cushions.

### Specifications

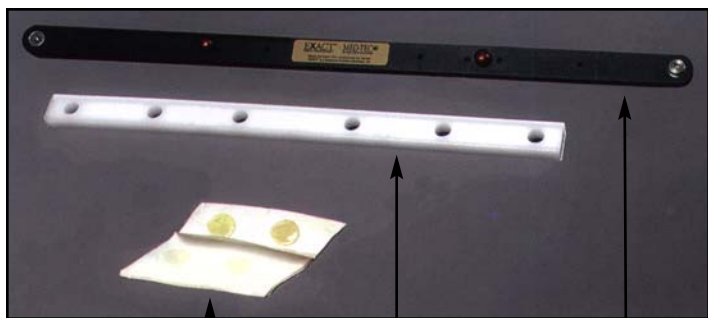
**Material:** PVC and Nylon Straps

**Casters:** 2" (5.08 cm) Swivel

**Dimensions:** 88" W x 24" D x 75" H (223.5 x 61 x 190.5 cm)

Item	Description
244-360	Vacuum Cushion Storage Shelving

## EXACT ENHANCE BAR



Glue Dots      Exact Enhance Bar      Varian Exact Lok Bar



This product was designed to “ENHANCE” the EXACT BAR used with the Varian Accelerator Exact Treatment Couch. The EXACT BAR can be adapted to the vacuum bags, 2 part foam cushions, bellyboards or any number of body support cushions with the use of the Glue Dots™.

The Enhance Bar is made of high-density polyethylene material. Measurements are 1" W x 16" L and 0.5" T (2.5 x 40.6 x 1.3 cm).

There are 6 holes drilled in the enhance bar. You have the choice of centering or shifting laterally 2.75" (6.9 cm) in either direction.

- Consistent in accurate positioning
- Easier location of “EXACT Bar” and vacuum bags, foam or support cushions
- Replacement guarantee against chipping, breaking or warping.

### Preparation of the EXACT Enhance Bar

1. Seat your Varian EXACT Lok-Bar or similar bar in a “notch” along the length of the couch/table top.
2. Place the EXACT Enhance Bar onto the Lok-Bar matching the “two pegs” or similar design unit.
3. Now use “Glue Dots” to adhere the EXACT Enhance Bar to your immobilization form. This is done by taking two or three “Glue Dots” and pressing the open side into the EXACT Enhance Bar. Remove the wax paper and repeat for each glue dot.
4. Place the patient immobilization form on top of the Bar/Glue Dots. When your form is completed, the EXACT Enhance Bar will be attached to your form and can easily be removed and resealed onto the Lok-Bar when needed.

The EXACT Enhance Bar can be used repeatedly. The Glue Dots are easily replaced by simply “rolling” them off the bar or form and discarding them.

Item #	Description
244-250	Exact Enhance Bar

## GLUE DOTS™



- Permanent
- Certified AP Nontoxic
- FDA Compliant

Bond instantly to most clean, dry surfaces Double-sided and pressure-sensitive bonding. Cleaner and safer than liquid glues or hot glue guns. Clear, perforated liner for easy dispensing and placement.

Item #	Description
244-256	Glue Dots, 60/Pkg

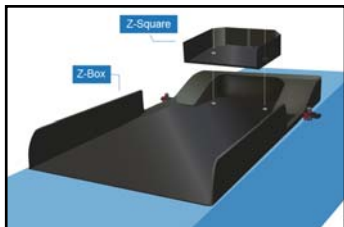
## Z-SYSTEM FOR PROTON THERAPY POSITIONING



290-000 Z-Box



290-005 Z-Square



290-000 Z-Box and  
290-005 Z-Square

### Improve efficiency during simulation process

The Z-System, which is the **Z-Box** and **Z-Square** allows one therapist to create immobilization devices, saving time and money. The Z-System is a comprehensive solution to patient positioning and immobilization in both proton and conventional radiation therapy clinics.

- Simple, straightforward positioning method
- Quick fabrication of patient immobilization
- Proven accuracy in treatment reproducibility
- Universal to all CT and XRT treatment couches
- Make Better Molds Faster
- Superior Treatment Positioning
- Lightning Quick Indexing
- Simple, Interlocking Parts
- Fits All Standard Treatment Tables
- Light & Durable Carbon Fiber

Item	Description
290-000	Z-Box
290-005	Z-Square

### Item 290-000

The Z-Box creates the custom mold in simulation and is removed for treatment.

- Integral component of Z-System
- Ensures exactness in size and shape of foam mold
- Firmly secures foam mold with unique ridged feature
- Limits rotation and movement during patient set-up
- Fits universal CT and XRT table tops
- Simplifies foam mold making
- Increases reproducibility
- Matches any comfortable patient position
- Works with all body types
- Indexes to treatment table
- Holds Z-Square, foam mold and patient
- Simple Adjustments, maximum support

### Specifications

**Size:** 20" W x 40" L x 4" H (50.8 x 101.6 x 10.2 cm)

**Weight:** < 8 lb (3.63 kg)

### Item 290-005

The Z-Square, the foundation of the Z-System, is a patient-positioning device designed specifically for applications within Proton Therapy, also precisely compatible with conventional Radiation Therapy. The Z-Square is used to index a custom treatment mold back to the table. It is lightweight, yet strong and secure. Fully carbon fiber and universal to Proton and Conventional table tops. Provides secure indexing, within 2mm, using a standard index bar. Remains completely out of the way to prevent interference with beams in the treatment area.

- Strong and Secure
- Slim Unique Universal Indexing System
- Allows repositioning of foam mold to within 2mm
- Firmly locks mold to treatment couch
- Uses standard index bar
- Can be used with expandable foam or vacuum cushions
- Used alone or with Z-Box
- Indexes to Z-Box for simulation
- Indexes to table for accurate treatment
- Ensures lock-tight mold positioning

### Specifications

**Size:** 10" W x 10" L x 3" H (25.4 x 25.4 x 7.62 cm)

**Weight:** < 2 lb (0.91 kg)

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