www.it-v.net

Radiation Oncology Product Catalog

V3

IT-V was established in 2013 and is the international representative of the STEP products developed by Innovative Technology Völp. Innovative Technologie Völp was established in 1997 as a result of scientifc cooperation with the University Hospital for Radio Oncology in Innsbruck (ROI). Since then the company is constantly developing innovative positioning systems for patient immobilization during radiation therapy. In order to meet the requirements of world-wide manufacturer of medical products, in the last few years, IT-V has successfully obtained admission certifcates in all European countries, USA, Canada and many Asian countries such as Japan. All IT-V products are produced according to the strict requirements of the Medical Standard ISO 13485.

Since its foundation IT-V has completed many innovative research projects in cooperation with ROI, supported by the European Promotion Institutes, as well as filing numerous patents for the biomedical high-tech sector.

Our main priority is consistently pursuing our corporate philosophy of open-mindedness when working with our much-valued customers. With this in mind we can guarantee that our products will adapt to all the changing require-ments in clinical practice and meet the highest standards of application, precision and increased efficiency during the treatment process.

HEAD AND NECK
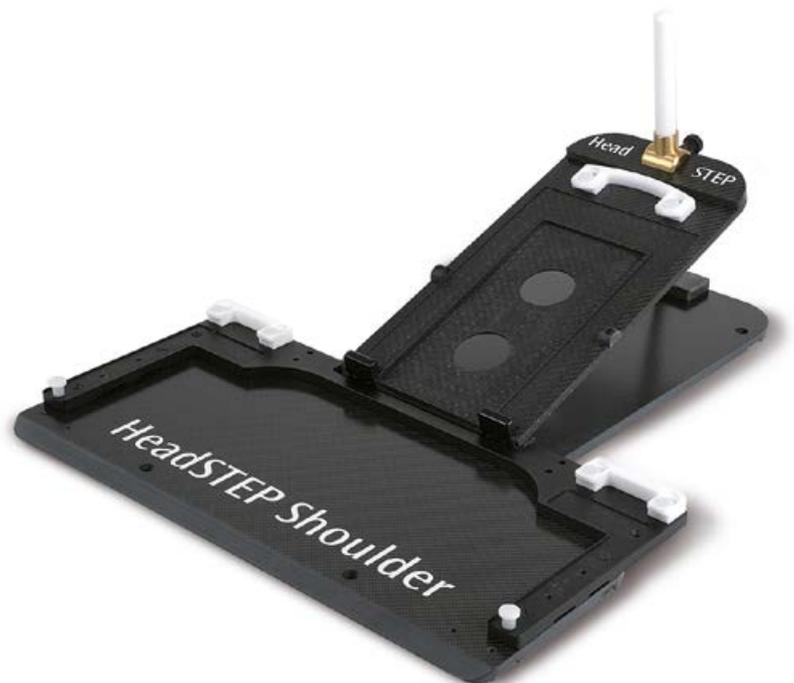
HeadSTEP
HS PushPIN
HS S-TYPE
HS Orfit
Fraxion

HN

Back in the same place? But how precisely?

HeadSTEP

The **HeadSTEP** is equipped with a unique iFRAME, making it one of the most precise head immobilization systems on the market. Due to the easy operability and highest manufacturing quality, the most accurate repositioning of the head-neck and shoulder area can be guaranteed. The HeadSTEP system is designed to work with the disposable iFRAME and iCAST thermoplastic masks.

The **iFRAME** allows easy molding and symmetrical pull-down by one therapist. The joint of the wing-shaped iFRAME is one of the great advantages of the system, combining total coverage of the anterior, lateral and superior head regions when the iFRAME locks into the shaped channels, thereby minimizing the rotation of the head in all three axes. The low-temperature iCAST thermoplastic is available in a variety of perforation patterns. Its rigidity, resistance to shrinkage and easy molding quality is outstanding.

The **HeadSTEP system** uses a 23-step elevation mechanism, which permits immobilization at variable head angles without the use of wedges. It can be used on all commercially available couches and is also indexable for enhanced reproducibility.

HeadSTEP – Advantages

WHY

HeadSTEP

+ Symmetrical pull-down
+ Quick and easy molding – done by one person
+ Variable head angles without any wedges
+ iFRAME – wing profile frame with a joint
+ Minimizes rotation of the head in all three axes
+ Optimizes repositioning accuracy for fractionated treatments
+ Saves time and simplifies radiation therapy procedures
+ Compatible with all common couchtops
+ Integrated indexing system

HeadSTEP – Systems

System HeadSTEP Shoulder

The HeadSTEP Shoulder system is designed for routine head and shoulder immobilization. It includes a height adjustment with 23 angles and a shoulder adapter. Consisting of:

HeadSTEP Shoulder Basic Module (P10107-413/429)
Pillow A, B, C, D, Y, Z, Distance Plate (P10107-200/201/202/203/204/205/206)
HeadSTEP Shoulder Adapter Extension (P10107-407)
HeadSTEP Shoulder Comfort Module (P10107-411)

ART.-NR.	P10107-706	System HeadSTEP Shoulder
	P10107-711	System HeadSTEP Shoulder MR

System HeadSTEP Carbon

The HeadSTEP Carbon system is designed for routine head and neck immobilization. It includes a height adjustment with 23 angles.
Consisting of:

HeadSTEP Carbon Basic Module (P10107-100)
Pillow A, B, C, D, Y, Z, Distance Plate (P10107-200/201/202/203/204/205/206)

ART.-NR.	P10107-700	System HeadSTEP Carbon
	P10107-704	System HeadSTEP MR

System HeadSTEP Carbon Flat

The HeadSTEP Flat system is designed for routine head and neck immobilization.
Consisting of:

HeadSTEP Carbon Flat Basic Module (P10107-101)
Pillow A, B, C, D, Y, Z, Distance Plate (P10107-200/201/202/203/204/205/206)

ART.-NR.	P10107-703	System HeadSTEP Carbon Flat

System HeadSTEP iBEAM evo Extension

The HeadSTEP iBEAM evo extension system is designed for routine head and shoulder immobilization using the iBEAM evo Couchtop and extends the end of the iBEAM evo couchtop by 515/615 mm. It includes a height adjustment with 23 angles and a shoulder adapter. Consisting of:

HeadSTEP iBEAM evo Basic Module (P10107-402/472)
Pillow A, B, C, D, Y, Z, Distance Plate (P10107-200/201/202/203/204/205/206)
HeadSTEP Shoulder Adapter Extension (P10107-407)

ART.-NR.		
	P10107-702	System HeadSTEP iBEAM evo Extension
	P10107-708	System HeadSTEP iBEAM evo Extension long

System HeadSTEP IMRT

The HeadSTEP IMRT is designed for routine head and shoulder immobilization using a normal couchtop and extends the end of the couchtop. It includes a height adjustment with 23 angles and a shoulder adapter. Consisting of:

HeadSTEP IMRT Basic Module (P10107-412)
Pillow A, B, C, D, Y, Z, Distance Plate (P10107-200/201/202/203/204/205/206)
HeadSTEP Shoulder Adapter Extension (P10107-407)

| ART.-NR.		
	P10107-705	System HeadSTEP IMRT
	P10107-715	System HeadSTEP IMRT MR

System HeadSTEP Bite

HeadSTEP Bite is an extended module of the HeadSTEP system providing high precision positioning and re-positioning for IMRT and stereotactic radiation. Consisting of:

HeadSTEP Bite Post Set (P10107-447)
HeadSTEP Bite Angulating Fixation Set (P10107-448/449)
HeadSTEP Bite Silicon Covers (set of 50) (P10107-450)
HeadSTEP Bite Quick Release (P10107-451)

ART.-NR.		
	P10107-789	System HeadSTEP Bite
	P10107-791	System HeadSTEP Bite wide
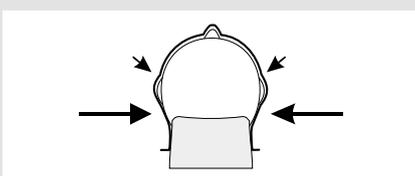
The iFRAME allows easy molding and symmetrical pull-down of the warmed-up mask material by one therapist. The joint of the wing shaped iFRAME is one of the great advantages of the system, combining the total coverage of the anterior, lateral and superior head regions with the iFRAME locked in the shaped channels, minimizing the rotation of the head in all three axes.

HeadSTEP – Disposables

iCAST Precut Head

iCAST mask material for head immobilization including disposable iFRAME.

ART.-NR.		
	P10107-300	iCAST Head Maxi 2 mm
	P10107-301	iCAST Head Micro 2 mm
	P10107-312	iCAST Head Maxi with mouth port 2 mm
	P10107-313	iCAST Head Micro with mouth port 2 mm

iCAST Precut Neck

iCAST mask material for head and neck immobilization including disposable iFRAME.

ART.-NR.		
	P10107-302	iCAST H&N Maxi 2 mm
	P10107-303	iCAST H&N Micro 2 mm
	P10107-314	iCAST H&N Maxi with mouth port 2 mm
	P10107-315	iCAST H&N Micro with mouth port 2 mm

iCAST Precut Shoulder

iCAST mask material for head and shoulder immobilization including disposable iFRAME.

ART.-NR.		
	P10107-304	iCAST H&S Maxi 2 mm
	P10107-305	iCAST H&S Micro 2 mm
	P10107-316	iCAST H&S Maxi with mouth port 2 mm
	P10107-317	iCAST H&S Micro with mouth port 2 mm

iCAST Precut Head Double

iCAST mask material for stereotactic head immobilization including disposable iFRAME.

ART.-NR.		
	P10107-306	iCAST Head Maxi Double 4 mm
	P10107-307	iCAST Head Micro Double 4 mm
	P10107-318	iCAST Head Double Maxi with mouth port 4 mm
	P10107-319	iCAST Head Double Micro with mouth port 4 mm

iCAST Open Face

iCAST mask material with large opening for the face including disposable iFRAME; suitable for claustrophobic patients and compatible with all common Motion Management Systems.

ART.-NR.		
	P10107-343	iCAST Head Maxi Open Face 3.2 mm
	P10107-344	iCAST Head Double Micro Open Face 4 mm

Water Bath

Suitable for all iCAST masks.
External dimensions (W x D x H): 82 x 58 x 22 cm, 1400 W, 230 V, 26 L.

ART.-NR.		
	35097/230/1400	Waterbath
	35118/230EU	Air Flow Oven

HeadSTEP simple steps

Set the HeadSTEP system on the tabletop.

Choose a suitable pillow and angle adjustment.

Position the patient´s head in the head support.

Center the iFRAME with the iCAST mask material over the patient´s face.

HeadSTEP – Disposables

iCAST Precut Paediatric

iCAST mask material for head immobilization including disposable iFRAME. Small Precuts especially for Paediatric use.

ART.-NR.	P10107-324	iCAST Head Paediatric Maxi 2 mm
	P10107-325	iCAST Head Paediatric Micro 2 mm
	P10107-332	iCAST Head Maxi Paediatric with mouth port 2 mm
	P10107-333	iCAST Head Micro Paediatric with mouth port 2 mm

iCAST Precut Shoulder Double

iCAST mask material for stereotactic head/ shoulder immobilization including disposable iFRAME.

ART.-NR.	P10107-310	iCAST H&S Maxi Head Double 4 mm
	P10107-311	iCAST H&S Micro Head Double 4 mm
	P10107-322	iCAST H&S Micro Head Double with support band 4 mm
	P10107-323	iCAST H&S Micro Head Double with mouth port 4 mm
	P10107-328	iCAST H&S Micro with support band 2 mm
	P10107-329	iCAST H&S Micro with support band mouth port 2 mm

iCAST Chin Double Mask

iCAST mask material for head immobilization including disposable iFRAME.

ART.-NR.	P10107-334	iCAST Chin Double Micro 4 mm

MouthBITE flat

The Mouth BITE ensures consistent opening of the mouth during radiotherapy and diagnostics and can be used with thermoplastic masks.

ART.-NR.	P10107-656	HeadSTEP MouthBITE flat

MouthBITE round

The Mouth BITE ensures consistent opening of the mouth during radiotherapy and diagnostics and can be used with thermoplastic masks. The MouthBITE round restricts the tongue movement.

ART.-NR.	P10107-657	HeadSTEP MouthBITE round

Pull the iCAST mask material gently, carefully and steadily over the patient´s face, starting at the chin, until the outer frame touches the baseplate.

Snap the frame into the designated bracket on the baseplate and lock it on the back end of the HeadSTEP.

Mold the mask material around the patient´s facial outline. The molding of the nose bridge is of crucial importance, as this is the reference point of the mask.

Mold around the chin and the eyes, advising the patient to keep the eyes closed. Let the mask cool off for 5 minutes until it is really hardened.

HeadSTEP – Pillows

www.it-v.net

Standard Pillow

Head rest for supine position with centering disc.

ART.-NR.	P10107-200	Pillow Standard Black A

Pillow High

Head rest for supine position with centering disc.

ART.-NR.	P10107-201	Pillow High Black B

Pillow Wedge

High precision wedge for HeadSTEP pillows, 10° angle.

ART.-NR.	P10107-202	Pillow Wedge C

Pillow Tilt

Head rest for tilted supine position with centering disc.

ART.-NR.	P10107-206	Pillow Tilt D
	P10107-216	Pillow Tilt Small G

Pillow short neck/Paediatric

Head rest for supine position with centering disc.

ART.-NR.	P10107-209	Pillow Short Neck E
	P10107-210	Pillow Small F

Pillow Block

Elevation block for the HeadSTEP.

ART.-NR.	P10107-218	Pillow Block H

Pillow Prone

Head rest for prone position with centering disc.

ART.-NR.	P10107-203	Pillow Prone Large Y
	P10107-204	Pillow Prone Small Z

Pillow AC

Combination of Pillow A and Wedge C.

ART.-NR.	P10107-239	Pillow AC
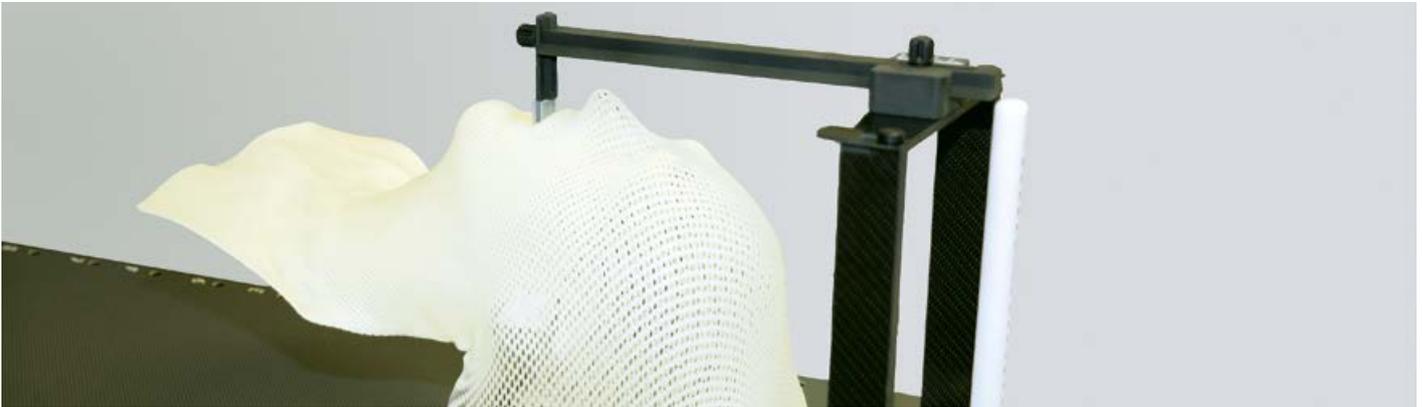
HeadSTEP – Pillows

Pillow Set

Set of 6 Pillows (A,B,D,E,G).

ART.-NR.		
	P10107-219	Pillow Set – Low Density
	P10107-223	Pillow Set Standard
	P10107-224	Pillow Set Transparent

### Distance Plate

2mm distance plate for HeadSTEP pillows.

ART.-NR.		
	P10107-205	Distance Plate

Transparent Pillows

Transparent Head rests (made of polycarbonat) for supine position with centering disc.

ART.-NR.		
	P10107-225	Pillow Standard A – Low Density Transparent
	P10107-226	Pillow High B – Low Density Transparent
	P10107-227	Pillow Tilt D – Low Density Transparent
	P10107-228	Pillow Short Neck E – Low Density Transparent
	P10107-229	Pillow Small F – Low Density Transparent
	P10107-230	Pillow Tilt Small G – Low Density Transparent
	P10107-275	Pillow Wedge C – Low Density Transparent
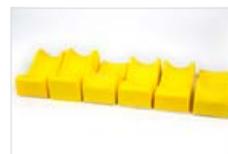
Low Density Pillows

Low Density Head Rests for supine position with centering disc.

ART.-NR.		
	P10107-211	Pillow Standard A – Low Density
	P10107-212	Pillow High B – Low Density
	P10107-213	Pillow Tilt D – Low Density
	P10107-214	Pillow Short Neck E – Low Density
	P10107-215	Pillow Small F – Low Density
	P10107-217	Pillow Tilt Small G – Low Density

GreyBAG

The GreyBAG is a vacuum cushion for customized positioning molds for HeadSTEP systems.

ART.-NR.		
	P10107-208	GreyBAG
	P10107-207	GreyBAG Adapter

PinkBAG

The PinkBAG is a vacuum cushion for customized positioning head molds. With the Adapter it fits in all HeadSTEP systems.

ART.-NR.		
	P10107-265	PinkBAG
	P10107-264	PinkBAG Adapter

HeadSTEP – Components

HeadSTEP Independent Indexing Clamp

The Independent Indexing Clamp enables the reproducible attachment of the HeadSTEP directly on a non-indexed CT or linac couch with 500 or 530 mm width.

ART.-NR.	
P10107-405	HS Independent Indexing Clamp 530 mm
P10107-408	HS Independent Indexing Clamp 500 mm
P10107-632	HS Independent Indexing Clamp 500 mm Off-centered

HS Independent Indexing Clamp Carbon

The Independent Indexing Clamp enables the reproducible attachment of the HeadSTEP directly on a non-indexed CT or linac couch with 500 or 530 mm width.

ART.-NR.	
P10107-431	HS Independent Indexing Clamp 530 mm Carbon
P10107-432	HS Independent Indexing Clamp 500 mm Carbon

Indexing Bar Carbon

The Indexing Bar Carbon is used for indexed fitting and positioning of adequate accessories on indexed tabletops.

ART.-NR.	
P10107-409	Indexing Bar 14 Carbon for Elekta (Set of 2)
P10107-609	Indexing Bar 14 Carbon for Varian (Set of 2)
P10107-610	Indexing Bar 14 Carbon for Pin Indexing (Set of 2)

Indexing Bar Standard

The Indexing Bar Standard is used for indexed fitting and positioning of adequate accessories on indexed tabletops.

ART.-NR.	
P10105-110	iBEAM Indexing Bar (set of 3)
P10107-611	Indexing Bar 14 Standard for Varian
P10107-612	Indexing Bar 14 Standard for Pin Indexing

Indexing Bar Off-centered

The Indexing Bar Off-centered is used for indexed fitting and positioning of adequate accessories on indexed tabletops with off-centered indexing points.

ART.-NR.	
P10107-631	Indexing Bar 100 mm Off-centered for Elekta
P10107-630	Indexing Bar 100 mm Off-centered for Varian
P10107-666	Indexing Bar 100 mm Off-centered Carbon for Elekta
P10107-665	Indexing Bar 100 mm Off-centered Carbon for Varian

U7 Indexing Bar Standard

The U7 Indexing Bar Standard is used for indexed fitting and positioning of adequate accessories on indexed tabletops. This indexing bar allows intermediate indexing steps.

ART.-NR.	
P10107-622	U7 Indexing Bar Standard for Elekta
P10107-628	U7 Indexing Bar Standard for Varian
P10107-670	U14 Indexing Bar Standard for Varian

HeadSTEP – Components

Wall Holder

Wall Holder for storing the HeadSTEP systems.

ART.-NR.		
	P10107-494	Wall holder for HS iBEAM evo Extension
	P10107-495	Wall holder for HS Shoulder
	P10107-541	Wall Holder for HeadSTEP IMRT

Comfort Module

The Comfort Module provides a comfortable positioning of the upper body on the HeadSTEP Shoulder system.

ART.-NR.		
	P10107-411	HS Shoulder Comfort Module

ProneSTEP

ProneSTEP is an extended module of the HeadSTEP system applicable for head immobilization in prone position.

ART.-NR.		
	P10107-403	ProneSTEP

HeadSTEP Shoulder Adapter

The HeadSTEP Shoulder Adapter is designed for routine head and shoulder immobilization as an addition for the HeadSTEP system.

ART.-NR.		
	P10107-404	HeadSTEP Shoulder Adapter
	P10107-407	HeadSTEP Shoulder Adapter Extension

HeadSTEP Upper Plate

The HeadSTEP Upper Plate uses the iCAST masks together with HeadSTEP pillows.

ART.-NR.		
	P10107-434	HeadSTEP Upper Plate

HeadSTEP Height Adjustment

The HeadSTEP Height Adjustment allows the HeadSTEP to be adjusted to 23 angles, including flat.

ART.-NR.		
	P10107-430	HeadSTEP Height Adjustment

HS PushPIN
HS S-TYPE
HS Orfit

The **HS iBEAM evo PushPIN Extension** as well as the **HS iBEAM evo S-TYPE Extension** allow precise treatment of the head and neck area. They are designed for IMRT as well as for conformal therapy and allow a 360° treatment with minimal radiation absorption. Thanks to the ease of use and high production quality, accurate repositioning can be ensured. The PushPIN and S-TYPE System allow easy moulding of the patients head contours with their thermoplastic masks. This step can be carried out quickly and easily by one person.

Both systems have been specifically optimized for use with the low-temperature thermoplast BlueFIX and a one-way frame. BlueFIX is available with various perforations and is characterized by excellent stiffness and shrinkage resistance after cooling. With the PushPIN or the S-TYPE system, you opt for a high-quality mask positioning for the head and neck area, with easy handling, stability and precision.

HS PushPIN & HS S-TYPE & HS Orfit – Advantages

WHY

HS PushPIN
HS S-TYPE
HS Orfit

+ Accurate positioning and exact repositioning
+ Easy handling and high positioning comfort
+ Simple mask preparation
+ Adjustable bearing angle with wedge insert
+ BlueFIX mask material
+ Maximum longevity
+ Compatible with all tabletops
+ Made of metal-free materials of the highest quality

System HS iBEAM evo extension PushPIN

The System HS iBEAM evo extension PushPIN is designed for routine head and shoulder immobilization.
Consisting of:

HS iBEAM evo Extension Basic Module PushPIN (P10107-414/416)
Distance Plate PushPIN (P10107-252)
Pillow A, B, C, D, Y, Z PushPIN (P10107-244/245/246/247/250/251)

ART.-NR.	P10107-712	System HS iBEAM evo Extension PushPIN
	P10107-729	System HS iBEAM evo Extension PushPIN long

System HS iBEAM evo extension S-TYPE

The System HS iBEAM evo extension S-TYPE is designed for routine head and shoulder immobilization.
Consisting of:

HS iBEAM evo Extension Basic Module S-TYPE (P10107-415/419)
Silverman Headrest Set A-F

ART.-NR.	P10107-716	System HS iBEAM evo Extension S-TYPE
	P10107-717	System HS iBEAM evo Extension S-TYPE long

System HS PushPIN

The System HS PushPIN is designed for routine head and shoulder immobilization. Consisting of:

HS PushPIN Basic Module Carbon/MR (P10107-417/418)
Distance Plate PushPIN (P10107-252)
Pillow A, B, C, D, Y, Z PushPIN (P10107-244/245/246/247/250/251)
HS Comfort Module (P10107-411)

ART.-NR.	P10107-713	System HS PushPIN Carbon
	P10107-714	System HS PushPIN MR

Orfit Extension

The System is designed for routine head and shoulder immobilization. It prolongs the iBEAM evo Couchtop and is compatible with Orfit HP Solution masks.

ART.-NR.	P10107-524	iBEAM evo extension Orfit HP short Basic Module
	P10107-525	iBEAM evo extension Orfit HP long Basic Module

HS PushPIN & HS S-TYPE & HS Orfit – Disposables
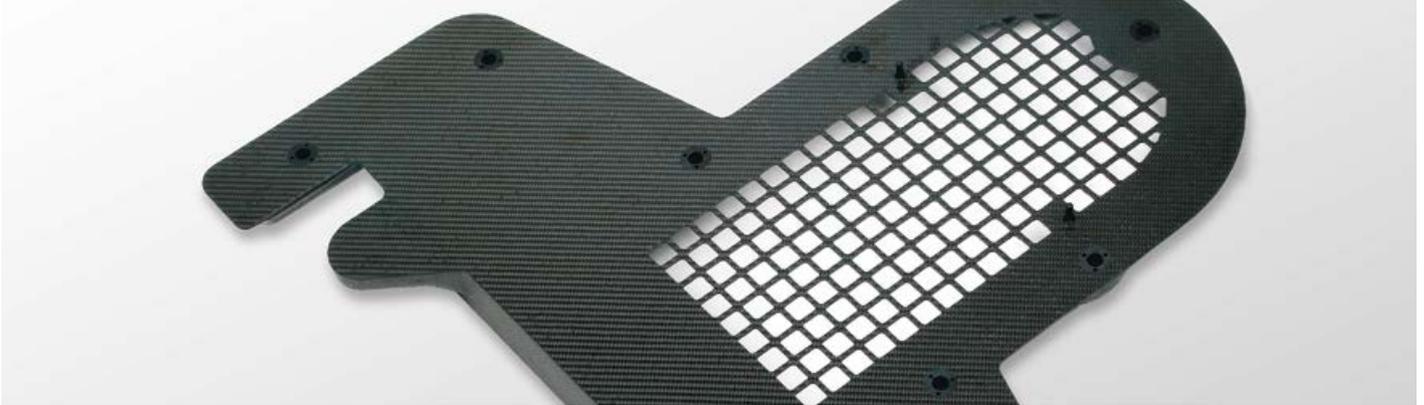
BlueFIX Head Mask PushPIN

BlueFIX mask material for head immobilization, including PushPIN Frame.

ART.-NR.		
	P10107-352	BlueFIX Head Mask PushPIN 2 mm Maxi
	P10107-353	BlueFIX Head Mask PushPIN 2 mm Micro
	P10107-354	BlueFIX Head Mask long PushPIN 2 mm Maxi
	P10107-355	BlueFIX Head Mask long PushPIN 2 mm Micro

BlueFIX Shoulder Mask PushPIN

BlueFIX Mask Material for head/shoulder immobilization, including PushPIN Frame.

ART.-NR.		
	P10107-356	BlueFIX Shoulder Mask PushPIN 2 mm Maxi
	P10107-357	BlueFIX Shoulder Mask PushPIN 2 mm Micro

Pillows PushPIN

Pillows for use with HS PushPIN Systems and Basic Modules.

ART.-NR.		
	P10107-244	Pillow Standard A PushPIN
	P10107-245	Pillow High B PushPIN
	P10107-246	Pillow Wedge C PushPIN
	P10107-247	Pillow Tilt D PushPIN
	P10107-248	Pillow Short Neck E PushPIN
	P10107-249	Pillow Small F PushPIN
	P10107-250	Pillow Prone Large Y PushPIN
	P10107-251	Pillow Prone Small Z PushPIN
	P10107-252	Distance Plate PushPIN
	P10107-254	Pillow Tilt Small G PushPIN

HS PushPIN & S-TYPE Basic Module without Components

Basic Module without Pillows and Distance Plate.

ART.-NR.		
	P10107-414	HS iBEAM evo Extension Basic Module PushPIN
	P10107-415	HS iBEAM evo Extension Basic Module S-TYPE
	P10107-416	HS iBEAM evo Extension Basic Module PushPIN long
	P10107-417	HS PushPIN Basic Module Carbon
	P10107-418	HS PushPIN Basic Module MR
	P10107-419	HS iBEAM evo Extension Basic Module S-TYPE long

Fraxion

When treating intracranial tumors it is crucial to keep the radiation exposure of critical neighbouring structures of the aimed target as low as possible. To guarantee a precise and narrowly defined dose application it is therefore vital to immobilize patients as comfortably and stable as possible. Only then are the necessary conditions provided to minimize the risks of movements during treatment.

The **Fraxion system** is one of the latest innovations of Elekta for head frames. With Fraxion, many immobilization options have been combined in one single system to respond to individual patient requirements. The precise perfor- mance assures a sharply defined dose release on the aimed target and consequently efficiently protects the neighbouring structures at risk.

What is Fraxion? A flexible head frame system enabling various intracranial treatment options. The unique design and integrated components provide easy application, significant patient comfort and unbeatable precision. The robust system eliminates the patient´s mobility, thereby increasing reliablity during imaging and therapy. Not only does Fraxion provide efficient performance of frame based stereotaxie but also enables a frameless use for combined IGRT applications.

Fraxion – Advantages

WHY

Fraxion

+ A complete head frame system for precise immobilization for SRT and SRS
+ A unique combination of vacuum mouthpiece and vacuum head cushion guarantees a simple, comfortable and accurate immobilization as well as re-positioning
+ A combination of individual mouthpieces and thermoplastic mask fixations establish additional options for optimized patient immobilization
+ Maximum reproducible positioning and orientation for sequential imaging and treatment
+ Built upon 60 years of clinical experience and success of Elekta in intracranial therapy

Fraxion Setup Cranial

The Fraxion Setup Cranial is used for the most precise head fixation and repositioning. It is especially designed for the requirements of high precision radiation, including treatment of orbital and paranasal sinuses.

CONSISTING OF		
	P10106-702	Fraxion™ Stereotactic System
	P10106-111	Fraxion™ Head Support Module ST
	P10106-106	Fraxion ™ Vacuum Pump
	P10106-212	Fraxion™ Vacuum Cushion Plus L (1.8 L)
	P10106-213	Fraxion™ Vacuum Cushion Plus M (1.4 L)
	P10106-214	Fraxion™ Vacuum Cushion Plus S (0.8 L)
	P10106-310	Fraxion™ Dental Impression Material
	P10106-311	Fraxion™ Saliva Stop Patient (20 pcs)
	P10106-312	Fraxion™ DIM Adhesive
	P10106-105	Fraxion™ Torque Wrench
	P10106-313	Fraxion™ Mixer and Dispenser
	P10106-400	Fraxion™ Storage Box (5 pcs)
	P10106-113	Fraxion™ Spacer
	P10106-115	Fraxion™ Protective Covers (2 pcs)
	P10106-300	Fraxion™ Thermoplastic Mask Head (10 pcs)
	P10106-301	Fraxion™ Thermoplastic Mask Nose (10 pcs)
	P10106-101	Fraxion™ Frontpiece
	P10106-320	Fraxion™ Mouth Piece Small (10 pcs)
	P10106-321	Fraxion™ Mouth Piece Medium (10 pcs)
	P10106-322	Fraxion™ Mouth Piece Large (10 pcs)
	P10106-323	Fraxion™ Mouth Piece Small P2 (10 pcs)
	P10106-324	Fraxion™ Mouth Piece XLarge P2 (10 pcs)
	P10106-103	Fraxion™ Stereotactic Frame
	P10106-401	Fraxion™ Isoc Alignment Tool (SI70856)
	P10106-132	Linac Table Top Adapter iBe (0DoF)
	P10106-111	FRAXION™ Head Support Module ST
	P10106-115	FRAXION™ PROTECTIVE COVERS (2 pcs)
	P10106-104	Fraxion™ CT Adapter
	P10105-425	Stereotactic Adapter

Fraxion – Disposables

Fraxion Mouthpiece

The Fraxion Mouthpiece KIT includes different sizes of mouthpieces. The mouthpiece is fixed to the patient´s maxilla with a vacuum.

ART.-NR.		
P10106-320	Fraxion Mouthpiece Small (10 pcs)	
P10106-321	Fraxion Mouthpiece Medium (10 pcs)	
P10106-322	Fraxion Mouthpiece Large (10 pcs)	

Fraxion Vacuum Cushion (2 Point Connection)

The Fraxion Vacuum Cushions are formed to the patients head and enable a better repositioning accuracy. Each cushion is molded individually. For Fraxion Frame (P10106-100).

ART.-NR.		
P10106-210	Vacuum Cushion S	
P10106-211	Vacuum Cushion M	

Fraxion Vacuum Cushion Plus (1 Point Connection)

The Fraxion Vacuum Cushions Plus are formed to the patients head and enable a better repositioning accuracy. Each cushion is molded individually. For Fraxion Head Support Modul ST/FX (P10106-111/110).

ART.-NR.		
P10106-212	Vacuum Cushion Plus L (1.8 L)	
P10106-213	Vacuum Cushion Plus M (1.4 L)	
P10106-214	Vacuum Cushion Plus S (0.8 L)	

Fraxion DIM Adhesive

The Fraxion DIM Adhesive cements the dental impression material to the mouthpiece.

ART.-NR.		
P10106-312	DIM Adhesive	

Patented mouthpiece immobilization

Systems with a bite-block as the central element never showed reliable repositioning accuracy, primarily caused by the difficulty to establish a stable and reproducible connection between the patient's upper palate and the preformed bite-block. Only now it is possible to immobilize a patient with the patented key technology of the Fraxion Mouthpiece, combining the complete palate dental impression and the connected vacuum. The Mouthpice is fixated without the patient's active involvement. A fixed immobilization and accurate repositioning can be achieved by controlling the vacuum pressure.

Fraxion – Disposables

Fraxion Saliva Stop Tubes

The Fraxion Saliva Stop is a patient specific component that connects the mouthpiece to the Patient Control Unit. It prevents saliva from reaching the Patient Control Unit.

ART.-NR.	P10106-311	Saliva Stop (20 pcs)

Fraxion Storage Box

The Fraxion Storage Boxes are available for all patient specific components: Vacuum cushion, Frontpiece with mouthpiece, Thermoplastic mask, Saliva Stop, marking sheets and protocols.

ART.-NR.	P10106-400	Storage Box (5 pcs)

Fraxion Dental Impression Material (4 tubes)

The Fraxion Dental Impression Material contains four tubes of dental impression material for molding the mouthpiece impressions.

ART.-NR.	P10106-310	Dental Impression Material

Fraxion Marking Sheets

The Fraxion Marking Sheets are used together with the Fraxion Stereotactic Frame to locate the treatment target in the coordinate system and position the patient.

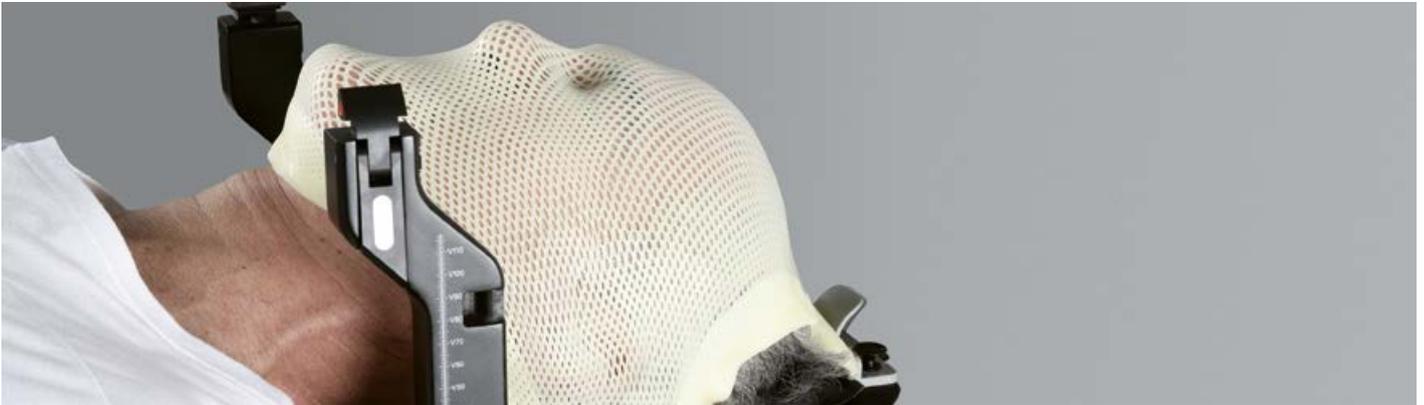| ART.-NR.	P10106-200	Marking Sheets (5 pcs)

Fraxion simple steps

Prepare the mouthpiece for the dental impression.

Fix the mouthpiece on the connecting plate and place the patient´s head on the vacuum cushion.

Position the head and tighten the 3 screws on the connecting plate.

Fraxion – Disposables

Fraxion Screw Set for Connecting Plate

The Fraxion Screw Set contains 3 replacement screws for the Connecting Plate.

ART.-NR.	03-999-1070	Fraxion Frontpiece Screws

Fraxion Screw Set

The Fraxion Screw Set contains 6 replacement screws for the baseplate.

ART.-NR.	03-999-1069	Fraxion Screw Set

Fraxion Vacuum Pump Filter

Bacteria filter for the Fraxion Pump.

ART.-NR.	P10106-303	Fraxion PCU Bacteria Filter

Fraxion Saliva Trap Pump

The Saliva Trap Pump is used for securing the pump against saliva. It needs to be replaces monthly.

ART.-NR.	P10106-304	Salvia Trap Pump

Mold the vacuum cushion around the patient´s head.

Assemble the stereotactic frame.

Fix the stereotactic frame by using the clips.

Fraxion – Components

Fraxion Frame Stereotactic

The Fraxion frame is the main component of the system and provides the interface to the Linac. It consists of a U-shaped base and a thin head support for the vacuum cushion.

ART.-NR.	P10106-111	Fraxion Head Support Module ST

Fraxion Connecting Plate

The Fraxion Connecting Plate is attached to the Fraxion Frame for the patient setup with the mouthpiece.

ART.-NR.	P10106-101	Fraxion Frontpiece

Fraxion Vacuum Pump

The Fraxion Vacuum Pump provides the necessary vacuum for securing the mouthpiece to the patient´s maxilla. Integrated patient alarm system.

ART.-NR.	P10106-106	Fraxion Vacuum Pump

Fraxion Stereotactic Frame

The Fraxion Stereotactic Frame is for target localization in stereotactic radiaton therapy and radiosurgery.

ART.-NR.	P10106-103	Fraxion Stereotactic Frame

Fraxion CT Adapter

The Fraxion CT Adapter enables the fixation and use of the Fraxion Baseplate on indexed tables.

ART.-NR.	P10106-104	Fraxion CT Adapter

Fraxion Torque Wrench

The Fraxion Torque Wrench is needed to tighten all screws with the appropriate torque of 2Nm.

ART.-NR.	P10106-105	Fraxion Torque Wrench

Fraxion – Components

Fraxion Thermoplastic Mask

The Fraxion Thermoplastic Masks provide a large number of immobilization points over the patient's head. The thermoplastic masks are available in nose (combination with mouthpiece) and head design.

| ART.-NR. | P10106-300 | Thermoplastic Mask Head (10 pcs) |
| | P10106-301 | Thermoplastic Mask Nose (10 pcs) |

Fraxion Table Adapter

The Fraxion Table Adapter enables a fixed attachement of the Fraxion frame to the Linac table.

| ART.-NR. | P10106-132 | Linac Tabletop Adapter iBeam evo |

Fraxion Mixer and Dispenser

The Fraxion mixer and dispenser enables easy filling of the mouthpiece with dental impression material.

| ART.-NR. | P10106-313 | Mixer and Dispenser |

Fraxion Spacer

The Fraxion Spacer is placed between the Head Support Module ST/FX and the Vaccuum Cushion Plus. This interspace simplifies the usage of the thermoelastic masks.

| ART.-NR. | P10106-113 | Fraxion Spacer |

Isocenter Alignment Tool

The Isocenter Alignment Tool is required for performing QA on the Fraxion Frame and Stereotactic Frame, for both imaging and treatment.

| ART.-NR. | P10106-401 | Isocenter Alignment Tool |

Fraxion Protective Covers

For mask preparation, Fraxion Protective Covers are applied to the base of the Head Support Modul ST/FX.

| ART.-NR. | P10106-115 | Fraxion Protective Covers |

BREAST AND THORAX

BodyFIX
WingSTEP
BreastSTEP

BT

Keeping still is a tough job – better take assistance

BodyFIX

Motion is a major cause of artefacts and errors in modern imaging and high-precision therapy. **BodyFIX** enables accurate patient positioning and immobilization, providing a foundation for successful imaging and treatment in radiation therapy.

The **patented BodyFIX dual vacuum technology** maximizes repositioning accuracy and intra-treatment patient stability by reducing both involuntary and voluntary patient movement. Manufactured entirely from radiotranslucent materials, BodyFIX provides artefact-free image clarity with minimal beam attenuation. The unique cover sheet nestles around the patient and produces a uniform pressure, securely immobilizing the patient´s body parts.

The **BodyFIX BlueBAG vacuum cushions** enable comfortable and reproducible patient positioning from imaging through the entire treatment process. The BodyFIX BlueBAG creates a comfortable, stable and precise mold of the patient´s position for up to six weeks. They can be used for different clinical set-ups and indications such as thorax, hip or total body.

BodyFIX – Advantages

WHY
BodyFIX

+ Non-invasive and accurate reproducible patient positioning
+ Patented dual vacuum technology provides maximum intra-treatment patient stability
+ The unique cover sheet securely immobilizes the patient´s body parts
+ Simple, flexible and comfortable immobilization solution
+ Integrated indexing
+ Modular construction, adaptable to most clinical enviroments from diagnostic imaging to treatment
+ Compatible with CT, MRI (used with fibreglass baseplate), PET/CT, SPECT and ultrasound imaging modalities as well as various tabletops

BodyFIX – Systems

BodyFIX Setup Stereotactic System with Localizer frame-based

Patented dual vacuum technology with non-invasive stereotactical reference frame and baseplate for extra-cranial stereotaxis.

CONSISTING OF		
	P10102-150	**BodyFIX Vacuum Pump P3 230 V**
	P10102-122	**BodyFIX Tube P3 length 5000 mm**
	P10104-821	**BodyFIX 14 BlueBAG TOTAL BODY 700 x 2325 mm/65 L**
	P10104-840	**BodyFIX 14 BlueBAG TOTAL BODY 900 x 2325 mm/117 L**
	P10104-846	**BlueBAG BodyFIX 14 Rectangular 700 x 2025 mm/60 L**
	P10104-847	**BlueBAG BodyFIX 14 Rectangular 850 x 2025 mm/80 L**
	P10102-200	**BodyFIX Manifold Cushion 600 mm**
	P10102-202	**BodyFIX Manifold Cushion 800 mm**
	P10102-216	**BodyFIX Stabilizing Cushion 800 x 600 mm**
	P10102-212	**BodyFIX Manifold Tube 1500 mm**
	P10102-213	**BodyFIX Manifold Tube 2000 mm**
	P10102-304	**BodyFIX Cover Sheet Total Body (set of 5)**
	P10102-305	**BodyFIX Hygienic Drape Manifold Tube**
	P10102-309	**BodyFIX Hygienic Drape Manifold Cushion (2 x 15000 mm)**
	P10104-005	**BlueBAG Clamp (set of 5)**
	P10102-307	**BodyFIX Adhesive Tape (set of 3)**
	P10102-112	**BodyFIX 14 Base Plate Stereotactic STANDARD**
	P10102-115	**BodyFIX 14 Target Positioner STANDARD**
	P10102-114	**BodyFIX 14 CT Localizer STANDARD**
	P10102-223	**BodyFIX 14 Marking Set STANDARD**
	P10102-409	**BF Independent Indexing CT Couch Adapter (set of 2)**
	P10102-408	**BF Independent Indexing Linac Couch Adapter (set of 2)**
	P10105-110	**Indexing Bar 14 (set of 3)**

BodyFIX – Systems

BodyFIX Setup without stereotactic frame

Patented dual vacuum technology without stereotactic frame for extra-cranial stereotaxis.

CONSISTING OF		
	P10102-150	**BodyFIX Vacuum Pump P3 230 V**
	P10102-122	**BodyFIX Tube P3 5000 mm**
	P10104-821	**BodyFIX 14 BlueBAG TOTAL BODY 700 x 2325 mm/65 L**
	P10104-840	**BodyFIX 14 BlueBAG TOTAL BODY 900 x 2325 mm/117 L**
	P10104-846	**BlueBAG BodyFIX 14 Rectangular 700 x 2025 mm/60 L**
	P10104-847	**BlueBAG BodyFIX 14 Rectangular 850 x 2025 mm/80 L**
	P10102-200	**BodyFIX Manifold Cushion 600 mm**
	P10102-202	**BodyFIX Manifold Cushion 800 mm**
	P10102-216	**BodyFIX Stabilizing Cushion 800 x 600 mm**
	P10102-212	**BodyFIX Manifold Tube 1500 mm**
	P10102-213	**BodyFIX Manifold Tube 2000 mm**
	P10102-304	**BodyFIX Cover Sheet Total Body (set of 5)**
	P10102-305	**BodyFIX Hygienic Drape Manifold Tube**
	P10102-309	**BodyFIX Hygienic Drape Manifold Cushion (2 x 15000 mm)**
	P10104-005	**BlueBAG Clamp (set of 5)**
	P10102-307	**BodyFIX Adhesive Tape (set of 3)**
	03-999-1253	**Tube Connector 4 mm to 4 mm (set of 10)**

BodyFIX – Systems

BodyFIX Setup with Diaphragm Control

Patented dual vacuum technology with abdominal press, without stereotactic frame for image guided extra-cranial stereotaxis. Respiration induced motion of tumors (such as liver and lung tumors) is still a clinical challenge in modern radiotherapy. Larger margins are required to account for respiratory motion and consequently a larger volume of healthy tissue is irradiated. To increase the accuracy and efficiency for these kind of treatments, the BodyFIX Diaphragm Control has been developed to specifically minimize diaphragm movements.

CONSISTING OF		
	P10102-150	BodyFIX Vacuum Pump P3 230V
	P10102-122	BodyFIX Tube P3 5 m
	P10104-821	BodyFIX 14 BlueBAG TOTAL BODY 700 x 2325 mm/65 L
	P10104-840	BodyFIX 14 BlueBAG TOTAL BODY 900 x 2325 mm/117 L
	P10104-846	BlueBAG BodyFIX 14 Rectangular 700 x 2025 mm/60 L
	P10104-847	BlueBAG BodyFIX 14 Rectangular 850 x 2025 mm/80 L
	P10102-200	BodyFIX Manifold Cushion 600 mm
	P10102-202	BodyFIX Manifold Cushion 800 mm
	P10102-216	BodyFIX Stabilizing Cushion 800 x 600 mm
	P10102-212	BodyFIX Manifold Tube 15 m
	P10102-213	BodyFIX Manifold Tube 2 m
	P10102-304	BodyFIX Cover Sheet Total Body (set of 5)
	P10102-305	BodyFIX Hygienic Drape Manifold Tube 2 x 15 m (set of 2)
	P10102-309	BodyFIX Hygienic Drape Manifold Cushion 15 m (set of 2)
	P10104-005	BlueBAG Clamp (set of 5)
	P10102-307	BodyFIX Adhesive Tape (set of 3)
	P10107-119	Diaphragm Control
	P10107-743	System WingSTEP High
	P10107-452	WingSTEP Elevation Block ABS
	P10102-112	BodyFIX 14 Base Plate Stereotactic STANDARD
	P10105-110	Indexing Bar 14 (set of 3)
	P10102-413	BodyFIX Indexing Adapter

BodyFIX – Systems

BodyFIX Setup for Breast and Thorax

Patented dual vacuum technology, especially for various treatment approaches for breast and lung tumors without stereotactic frame for image guided extra-cranial stereotaxis.

CONSISTING OF		
	P10102-150	**BodyFIX Vacuum Pump P3 230 V**
	P10102-122	**BodyFIX Tube P3 length 5 m**
	P10104-846	**BlueBAG BodyFIX 14 Rectangular 700 x 2025 mm/60 L**
	P10104-847	**BlueBAG BodyFIX 14 Rectangular 850 x 2025 mm/80 L**
	P10102-200	**BodyFIX Manifold Cushion 600 mm**
	P10102-202	**BodyFIX Manifold Cushion 800 mm**
	P10102-216	**BodyFIX Stabilizing Cushion 800 x 600 mm**
	P10102-212	**BodyFIX Manifold Tube 15 m**
	P10102-213	**BodyFIX Manifold Tube 2 m**
	P10102-304	**BodyFIX Cover Sheet Total Body (set of 5)**
	P10102-305	**BodyFIX Hygienic Drape Manifold Tube**
	P10102-309	**BodyFIX Hygienic Drape Manifold Cushion 15 m (set of 2)**
	P10104-005	**BlueBAG Clamp (set of 5)**
	P10102-307	**BodyFIX Adhesive Tape (set of 3)**
	P10107-743	**System WingSTEP High**
	P10107-452	**WingSTEP Elevation Block ABS**

BodyFIX – Disposables & Separate Components

BodyFIX BlueBAG Rectangular

The BodyFIX vacuum cushion is used for precise and reproducible molds of the patient´s contours. It can be indexed.

ART.-NR.		
	P10104-806	BlueBAG BodyFIX 14 Rectangular 700 x 1025 mm/30 L
	P10104-819	BlueBAG BodyFIX 14 Rectangular 700 x 1625 mm/45 L
	P10104-821	BlueBAG BodyFIX 14 Rectangular 700 x 2325 mm/65 L
	P10104-822	BlueBAG BodyFIX 14 Rectangular 750 x 1025 mm/35 L
	P10104-823	BlueBAG BodyFIX 14 Rectangular 700 x 182 5mm/50 L
	P10104-824	BlueBAG BodyFIX 14 Rectangular 850 x 1625 mm/58 L
	P10104-829	BlueBAG BodyFIX 14 Rectangular 950 x 1225 mm/45 L
	P10104-831	BlueBAG BodyFIX 14 Rectangular 850 x 1540 mm/53 L
	P10104-837	BlueBAG BodyFIX 14 Rectangular 850 x 1825 mm/75 L
	P10104-840	BlueBAG BodyFIX 14 Rectangular 900 x 2325 mm/117 L
	P10104-846	BlueBAG BodyFIX 14 Rectangular 700 x 2025 mm/60 L
	P10104-847	BlueBAG BodyFIX 14 Rectangular 850 x 2025 mm/80 L

BodyFIX BlueBAG T-Shape

The BodyFIX vacuum cushion is used for precise and reproducible molds of the upper body contours. It can be indexed.

ART.-NR.		
	P10104-836	BlueBAG BodyFIX 14 T-Shape 1130 x 1375 mm/51 L
	P10104-839	BlueBAG BodyFIX 14 T-Shape 1280 x 1325 mm/60 L

BodyFIX BlueBAG with Knee Roll

The BodyFIX vacuum cushion is used for precise and reproducible molds of the patient´s contours. It can be indexed and has an integrated knee roll.

ART.-NR.		
	P10104-843	BlueBAG BodyFIX 14 Rectangular/Knee Roll 850 x 1825 mm/62 L

BodyFIX BlueBAG Pentagon Shape

The BodyFIX vacuum cushion is used for precise and reproducible molds of the patient´s contours. It can be indexed.

ART.-NR.		
	P10104-820	BlueBAG BodyFIX 14 Pentagon-Shape 1050 x 1325 mm/45 L
	P10104-838	BlueBAG BodyFIX 14 Pentagon-Shape 1200 x 1325 mm/52 L

BlueBAG Clamp (5 pcs)

The BlueBAG Clamp locks the tube of the vacuum cushion. The enclosed gasket bolt locks the cushion permanently.

ART.-NR.		
	P10104-005	BlueBAG Clamp (set of 5)

Sealing Pin

The Sealing Pin is used to close the tube of the vacuum cushion.

ART.-NR.		
	P10104-168	BlueBAG Sealing Pin (set of 10)

Tube Connector

The Tube Connector connects the tube of the vacuum pump to the vacuum cushion.

ART.-NR.		
	03-999-1253	Tube Connector 4 mm to 4 mm (set of 10)

BodyFIX Repositioning Accuracy

Nevinny-Stickel M., Sweeney RA., Bale R., Posch A., Auberger T., Lukas P., Medical University Innsbruck,	Mean 3D repositioning error: 2.5 ± 1.1mm
Martin Fuss, M.D., Sean X. Cavanaugh, Bill J. Salter, Ph.D., Premavathy Rassiah, Dennis Cheek, Terence S. Herman, M.D., Dept. of Radiation Oncology, University of Texas Health Science Center at San Antonio	Mean computed absolute target translation: 2.9 ± 3.3, 2.3 ± 2.5, 3.2 ± 2.7mm in x, y and z directions
Meg Schneider, John Way, Robert Smee, Janet Williams, Prince of Wales Hospital, Department of Radiation Oncology, Sydney, Australia	Maximum deviation of setup accuracy: < 2mm

BodyFIX – Disposables

BodyFIX Cover Sheet TOTAL BODY (5 pcs)

The BodyFIX Cover Sheets is used for molding and immobilization of the patient using vacuum.

ART.-NR.	P10102-304	BodyFIX Cover Sheet TOTA L BODY 2700 x 1400 mm

BodyFIX Hygienic Drape Manifold Tube

The BodyFIX Hygienic Drape Manifold Tube is used to cover the vacuum manifold tube for hygienic purposes.

ART.-NR.	P10102-305	BodyFIX Hygienic Drape Manifold Tube 15 m (set of 2)

BodyFIX Cover Sheet Thorax (5 pcs)

The BodyFIX Cover Sheet Thorax with sleeves includes five cover sheets. The cover sheets are placed over the patient to generate the vacuum.

ART.-NR.	P10102-302	BodyFIX Cover Sheet THORAX 1800 x 1600 mm
	P10102-303	BodyFIX Cover Sheet THORAX LONG 2700 x 1600 mm

BodyFIX Cover Sheet Hip (5 pcs)

The BodyFIX Cover Sheet Hip with sleeves includes five cover sheets. The cover sheets are placed over the patient to generate the vacuum.

ART.-NR.	P10102-300	BodyFIX Cover Sheet HIP 2000 x 1400 mm
	P10102-301	BodyFIX Cover Sheet HIP PLUS 2200 x 1400 mm

BodyFIX Adhesive Tape (3 pcs.)

The BodyFIX Adhesive Tape is used for fixing the cover sheets to the BodyFIX BlueBAGs.

ART.-NR.	P10102-307	BodyFIX Adhesive Tape (set of 3)

BodyFIX 14 Marking Set Standard

The BodyFIX 14 Marking Set Standard contains marking plates for BodyFIX Target Positioner to assist patient positioning and light field verification.

ART.-NR.	P10102-223	BodyFIX 14 Marking Set Standard

BodyFIX Drape Manifold Cushion

Hygienic cover for the BodyFIX Manifold cushion.

ART.-NR.	P10102-309	Hygienic Drape Manifold Cushion 15 m (set of 2)

BodyFIX Manifold Connector Standard

Connector between Manifold Cushion and Manifold Tube.

ART.-NR.	P10102-214	BodyFIX Manifold Connector Standard

BodyFIX BlueBAG with Knee Roll

The integrated yet easily moveable knee roll enables a very stable and at the same time comfortable molding of the patient´s contours. The knee roll can be evacuated as well as the vacuum cushion and becomes rigid. It is filled with the same material as the cushion.

BodyFIX – Components

BodyFIX Vacuum Pump P3

The BodyFIX Vacuum Pump P3 is a high performance pump that controls the patented dual-vacuum technology, used for precise patient positioning and immobilization.

ART.-NR.	P10102-150	BodyFIX P3 Vacuum Pump

BodyFIX Tube P3 (5 metres)

The BodyFIX Tube P3 connects the Vacuum Pump P3 with the Vacuum Manifold.

ART.-NR.	P10102-122	BodyFIX Tube P3 (length 5 m)

BodyFIX 14 Target Positioner

The BodyFIX 14 Target Positioner enables the exact targeting of the tumor isocenter on the linac identified with the localizer on the CT.

ART.-NR.	P10102-115	BodyFIX 14 Target Positioner

BodyFIX 14 CT Localizer

The BodyFIX 14 Localizer enables precise localization of the tumor isocenter. The x-, y- and z-isocenter coordinates can easily be determined with the rods of the localizer.

ART.-NR.	P10102-114	BodyFIX 14 Localizer

BodyFIX 14 Baseplate Stereotactic Standard

Carbon fibre of glass fibre baseplate for the use of stereotactic frames on non-indexed tabletops.

ART.-NR.	P10102-112	BodyFIX 14 Base Plate Stereotactic Standard

BodyFIX BlueBAG Tube P3

The BodyFIX BlueBAG Tube P3 connects the Vacuum Pump with the vacuum cushion.

ART.-NR.	P10104-024	BlueBAG Tube P3

BodyFIX Diaphragm Control

The BodyFIX Diaphram Control is used to immobilize the abdomen for image guided extra-cranial stereotaxis.

ART.-NR.	P10107-119	Diaphragm Control

Diaphragm Control Adapter

Adapter for the use of the BodyFIX Diaphragm Control on non-indexed Varian and Siemens tabletops.

ART.-NR.	P10107-469	Diaphragm Control Adapter for indexed tables
	P10107-493	Diaphragm Control MR Adapter for indexed tables

BodyFIX Diaphragm Control workflow

Position the BodyFIX BlueBAG vacuum cushion on the imaging or treatment table by using the indexing bars (prerequisite is the BodyFIX 14 indexing system). Create the first vacuum so the patient does not sink in.

Position the patient on the BodyFIX BlueBAG cushion.

Position the manifold tube between the patient´s legs to provide optimal distribution of the airflow. Then place the manifold cushion over patient´s lower abdomen to guarantee optimal vacuum distribution.

BodyFIX – Components

BodyFIX Manifold Tube

Together with the Manifold Cushion the BodyFIX Manifold Tube establishes a permanent and equal vacuum over the patient.

ART.-NR.	
P10102-210	BodyFIX Manifold Tube 1000 mm
P10102-212	BodyFIX Manifold Tube 1500 mm
P10102-213	BodyFIX Manifold Tube 2000 mm

BodyFIX Stabilizing Cushion

The BodyFIX Stabilizing Cushion provides improved stabilization of the patient when setting up the vacuum.

ART.-NR.	
P10102-216	BodyFIX Stabilizing Cushion 800 x 600 mm
P10102-217	BodyFIX Stabilizing Cushion OP-PORTA L

BodyFIX Independent Indexing Adapter

The BodyFIX Independent Indexing Adapter enables the attachment of the BodyFIX baseplate directly to non-indexed couches.

ART.-NR.	
P10102-408	BodyFIX Independent Indexing LINAC Couch Adapter (set of 2)
P10102-409	BodyFIX Independent Indexing CT Couch Adapter (set of 2)

Indexing Bar Carbon

The Indexing Bar Carbon is used for indexed fitting and positioning of adequate accessories on indexed tabletops.

ART.-NR.	
P10107-409	Indexing Bar 14 Carbon for Elekta (set of 2)
P10107-609	Indexing Bar 14 Carbon for Varian (set of 2)
P10107-610	Indexing Bar 14 Carbon for Pin Indexing (set of 2)

BodyFIX Manifold Cushion

The BodyFIX Manifold cushion prevents the Cover Sheet from collapsing directly against the vacuum tube by distributing the airflow around the patient.

ART.-NR.	
P10102-200	BodyFIX Manifold Cushion 600 mm
P10102-201	BodyFIX Manifold Cushion 700 mm
P10102-202	BodyFIX Manifold Cushion 800 mm
P10102-203	BodyFIX Manifold Cushion 900 mm
P10102-232	BodyFIX Manifold Cushion 400 mm
P10102-233	BodyFIX Manifold Cushion 500 mm

Grip Ring

The Grip Ring increases the patient´s comfort and safety.

ART.-NR.	
P10107-410	Grip Ring (set of 3)

BodyFIX Indexing Adapter

The BodyFIX Indexing Adapter is used for attaching the BodyFIX baseplate to indexed tabletops provided by other manufacturers.

ART.-NR.	
P10102-413	BodyFIX Indexing Adapter

Indexing Bar Standard

The Indexing Bar Standard is used for indexing and positioning of accessories on indexed tabletops.

ART.-NR.	
P10105-110	iBEAM Indexing Bar (set of 3)
P10107-611	Indexing Bar 14 Standard for Varian
P10107-612	Indexing Bar 14 Standard for Pin Indexing

Cover the patient with the cover sheet. Make sure the sheet is accurately attached with the adhesive tape. Switch on the BodyFIX Vacuum Pump connected to the manifold tube. Generate a vacuum to ensure that the BlueBAG nestles to the patient´s body.

Position the arc of the diaphragm control and the appropriate plate over the cranial part of the abdomen (above the cover sheet), below the ribs.

When the cushion fits perfectly, activate the pump until a vacuum of appr. 650 mbar is reached. Close the white clamp and close off the BlueBAG tube with the black plug.

WingSTEP

The **WingSTEP** enables easy positioning, precise repositioning and high comfort for the patient during breast and thorax treatment. With its excellent robustness and quality, this patient friendly and non-invasive immobilization system is a device designed to improve the accuracy of radiation therapy for supine techniques.
The system allows comfortable positioning of the arms above the head and a natural position of the upper and lower arm. The system can be indexed, assuring a reproducible patient position throughout the total course of treatment.
The **WingSTEP** is especially adapted to fit through all common CT gantries to achieve enhanced planning, simplification and expedition of the whole radiation therapy procedure and therefore increases time efficiency.
The **WingSTEP** can be used on all brands of couches available on the market for diagnostic and radiotherapy environment. In addition, even MRT or PET planning is possible since WingSTEP consists of high quality, metal-free materials.

WingSTEP – Advantages

WHY

WingSTEP

+ Easy and precise positioning
+ Reproducible, flexible arm and wrist support
+ Minimizes patient movements of arms and wrists
+ High comfort in breast and thorax positioning
+ Easy fit through CT aperture
+ Suitable CT, MRT and PET planning
+ High quality, metal-free material
+ Easy handling
+ Maximum stability and durability
+ Integrated indexing system
+ Compatibel with all brands of couchtops
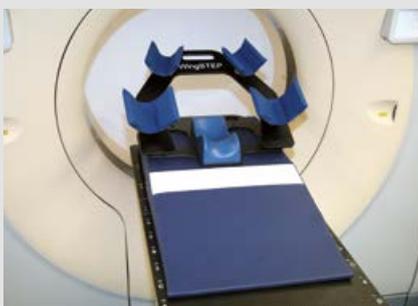
WingSTEP – Systems

System WingSTEP High

The WingSTEP High system is specially designed for routine breast and thorax positioning with big CT apertures (bore diameter > 70cm). Consisting of:

WingSTEP high Baseplate (P10107-465/490)
Pillow Standard A (P10107-240)
Arm Support Ball Joint / Pin Joint (P10107-444 /441)
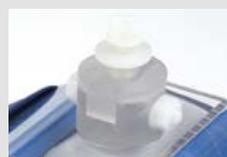Wrist Support Ball Joint (P10107-443)

ART.-NR.		
P10107-741	System WingSTEP High – Pin Joint	
P10107-743	System WingSTEP High – Ball Joint	
P10107-745	System WingSTEP High for Varian – Ball Joint	
P10107-754	System WingSTEP High MR – Ball Joint	

WingSTEP with MCT Wedge

Arm support types

Pin Joint

Ball Joint

WingSTEP – Systems

System WingSTEP Low

The WingSTEP Low system is specially designed for routine breast and thorax positioning with small CT apertures (bore diameter < 70cm). Consisting of:

WingSTEP Carbon High Baseplate (P10107-499)
Pillow Standard A (P10107-240)
Arm Support Ball Joint / Pin Joint (P10107-444 /441)
Wrist Support Ball Joint (P10107-443)

ART.-NR.	P10107-747	System WingSTEP Carbon High – Ball Joint
	P10107-750	System WingSTEP Carbon High – Pin Joint

System WingSTEP Low

The WingSTEP Low system is specially designed for routine breast and thorax positioning with small CT apertures (bore diameter < 70cm). Consisting of:

WingSTEP Low Baseplate (P10107-464/466)
Pillow Standard A (P10107-240)
Arm Support Ball Joint / Pin Joint (P10107-444 /441)
Wrist Support Ball Joint (P10107-443)

ART.-NR.	P10107-740	System WingSTEP Low – Pin Joint
	P10107-742	System WingSTEP Low – Ball Joint
	P10107-746	System WingSTEP Low for Varian – Ball Joint
	P10107-753	System WingSTEP MR Low – Ball Joint

System WingSTEP Low Carbon

The WingSTEP Low Carbon system is specially designed for routine breast and thorax positioning with small CT apertures (bore diameter < 70cm). Consisting of:

WingSTEP Carbon High Baseplate (P10107-498)
Pillow Standard A (P10107-240)
Arm Support Ball Joint / Pin Joint (P10107-444 /441)
Wrist Support Ball Joint (P10107-443)

ART.-NR.	P10107-749	System WingSTEP Carbon Low – Ball Joint
	P10107-751	System WingSTEP Carbon Low – Pin Joint

WingSTEP simple steps

Select the appropriate pillow for the patient and place it on the WingSTEP.

Before first use: Click upper and lower arm supports into the ball joints.

Set the WingSTEP system on the treatment table.

Position the patient´s head on the head support. Place the patient´s arms above the head onto the upper and lower arm supports.

WingSTEP – Components

Pillow A - Standard

Standard head support cushion for supine positioning with centering disc.

ART.-NR.	P10107-240	Pillow Standard A
	P10107-241	Pillow High B
	P10107-202	Pillow Wedge C
	P10107-218	Pillow Block H

WingSTEP MCT Wedge

10° wedge to raise WingSTEP, covered with artificial leather.

ART.-NR.	P10107-512	MCT Wedge 5°
	P10107-440	MCT Wedge 10°
	P10107-513	MCT Wedge 15°

Arm Support – Ball Joint

Flexible covered arm support – attached to a ball joint.

ART.-NR.	P10107-444	Arm Support – Ball Joint – Small (2 pcs)
	P10107-445	Arm Support – Ball Joint – Large (2 pcs)

Arm Support – Pin Joint

Flexible covered arm support – attached to a pin joint.

ART.-NR.	P10107-441	Arm Support – Pin Joint – Small (2 pcs)
	P10107-442	Arm Support – Pin Joint – Large (2 pcs)

Wrist Support – Ball Joint

Flexible covered wrist support – attached to a ball joint.

ART.-NR.	P10107-443	Wrist Support – Ball Joint (2 pcs)

PU Cover for Arm / Wrist Supports

Washable, leakproof PU Covers.

ART.-NR.	P10107-242	PU cover for Arm Support (2 pcs)
	P10107-243	PU cover for Wrist Support (2 pcs)

Wall Holder

Wall Holder to store the WingSTEP.

ART.-NR.	P10107-446	Wall holder for WingSTEP

ProSTEP Pillow Fix

The ProSTEP Pillow Fix can be used with STEP Systems.

ART.-NR.	P10107-232	ProSTEP Pillow Fix

Comfort Pillow

Pillow for stable positioning of the head. It is higher than the standard Pillow A and supports the head and neck area.

ART.-NR.	P10107-267	Pillow Wide A

Comfort Pillow

Comfort pillow for stable and slightly retroflected positioning of the head.

ART.-NR.	P10107-268	Pillow Tilt Wide G

WingSTEP – Components

WingSTEP MCT Wedge evo indexed

10° wedge to increase the height of the WingSTEP. Can be mounted on any indexed tabletop by use of Indexing bars.

ART.-NR.	P10107-478	MCT Wedge evo Indexed

WingSTEP Arm Support Elevation Barrel

The WingSTEP Arm Support Elevation Barrel is used to increase the height of the arm shells on the WingSTEP system.

ART.-NR.	P10107-488	WingSTEP Arm Support Elevation Barrel

WingSTEP Pole Bar

The adjustable WingSTEP pole bar allows the patient to hold on during the examination at the head end.

ART.-NR.	P10107-487	WingSTEP Pole Bar

WingSTEP Elevation Block ABS

Elevation block with integrated indexing system to increase the height of the WingSTEP. Made of hard plastic.

ART.-NR.	P10107-452	WingSTEP Elevation Block ABS

MCT Wedge Indexing Adapter

The MCT Wedge Indexing Adapter prevents slipping of the MCT Wedge 5 °, 10 ° and 15 ° during treatment and allows the use of MCT Wedge Indexing Bars.

ART.-NR.	P10107-474	MCT Wedge Indexing Adapter
	P10107-475	MCT Wedge Indexing Bar for Elekta
	P10107-476	MCT Wedge Indexing Bar for Varian
	P10107-477	MCT Wedge Indexing Bar for Pin Indexing

WingSTEP Baseplate

WingSTEP Baseplate with 4 ball joints, without arm supports and pillows.

ART.-NR.	P10107-464	WingSTEP low - Baseplate with 4 ball joints
	P10107-465	WingSTEP high - Baseplate with 4 ball joints
	P10107-498	WingSTEP Carbon low - Baseplate with 4 ball joints
	P10107-499	WingSTEP Carbon high - Baseplate with 4 ball joints
	P10107-466	WingSTEP MR low - Baseplate with 4 ball joints
	P10107-490	WingSTEP MR high - Baseplate with 4 ball joints

HeadSTEP Upper Plate for WingSTEP

The HeadSTEP Upper Plate for WingSTEP was designed for the routine immobilization of the head. It is an extension of the WingSTEP system.

ART.-NR.	P10107-467	HeadSTEP Upper Plate for WingSTEP

iCAST Chin Double

iCAST mask material for head immobilization. To be used with the HeadSTEP Upper Plate for WingSTEP.

ART.-NR.	P10107-334	iCAST Chin Double MIcro 4 mm

WingSTEP Pole Bridge Bar

The adjustable WingSTEP Pole Bridge Bar allows the patient to hold on to the head end during the treatment.

ART.-NR.	P10107-522	WingSTEP Pole Bridge Bar

BreastSTEP

The **BreastSTEP** enables easy positioning, precise repositioning and high comfort of the patient during breast and thorax treatment. With its excellent robustness and quality, this patient friendly and non-invasive immobilization system is a device, designed to improve the accuracy of radiation therapy for supine techniques. The system allows comfortable positioning of the arms above the head and natural position of the upper and lower arm.

The **BreastSTEP** consists of a baseplate and an upper plate made of a low density foam core, covered with thin layers of carbon fibre which allows the beam to pass through the BreastSTEP from any angle with minimal attenuation. Further components of the BreastSTEP are the aperture for placing head supports, the Slide Stop and the adjustable arm and wrist supports, which allow for very easy customization of patient positioning.

The **BreastSTEP** can be adjusted to 4 different upper heights, 18 upper arm and 8 lower arm positions, which comfortably positions and support the arms above the head. The BreastSTEP can be used on all brands of couches available on the market, in diagnostic and radiotherapy environment.

BreastSTEP – Advantages

WHY
BreastSTEP

+ Easy positioning and precise repositioning
+ Minimizes patient movements of arms and wrists
+ High comfort in breast and thorax positioning
+ Reproducible, flexible arm and wrist support
+ 4 different upper plate heights in 5° steps
+ Arm support height adjustment with 3 numbered positions
+ Arm support rotable in 6 numbered positions (15° steps)
+ Wrist support height adjustment with 2 different positions
+ Wrist support with 4 numbered positions in 30° steps
+ Easy handling and high quality
+ Compatible with all brands of couchtops
+ Integrated indexing system

BreastSTEP – Systems

System BreastSTEP Indexed Short

The BreastSTEP system is designed for routine breast and thorax positioning. It can be reproducibly attached to tabletops with integrated indexing systems by using standard indexing bars. Consisting of:

BreastSTEP Basic Module Short (P10107-436)
Pillow A (P10107-240)
Slide Stop (P10107-420)
2 x BreastSTEP Arm Support (P10107-479)
2 x BreastSTEP Wrist Support (P10107-480)

ART.-NR.	P10107-720	System BreastSTEP Indexed Short
	P10107-726	System BreastSTEP Indexed Short Mask

System BreastSTEP Indexed Long

The BreastSTEP system is designed for routine breast and thorax positioning. The BreastSTEP Conventional can be used on tabletops with integrated indexing systems as well as on non-indexable couches. Consisting of:

BreastSTEP Basic Module Long (P10107-437)
Pillow A (P10107-240)
Slide Stop (P10107-420)
Slide Stop Indexing Bar (P10107-523)
2 x BreastSTEP Arm Support (P10107-479)
2 x BreastSTEP Wrist Support (P10107-480)

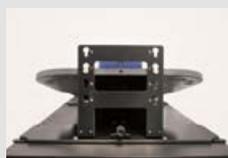| ART.-NR.	P10107-721	System BreastSTEP Indexed Long
	P10107-727	System BreastSTEP Indexed Long Mask

BreastSTEP simple steps

Set the BreastSTEP on the tabletop.

Select the appropriate angle of the upper body using the height adjustment.

Set the Slide Stop in position.

BreastSTEP – Systems

System BreastSTEP Prone

The BreastSTEP Prone system is designed for routine breast treatment in a prone position. It is attached to tabletops with an integrated indexing system by using standard indexing bars. Consisting of:

BreastSTEP Prone Upper Plate Carbon (P10107-506)
BreastSTEP Prone Base Plate Indexed (P10107-507)
BreastSTEP Prone Foam Plate (P10107-508)
BreastSTEP Prone Hand Pole Bar (P10107-509)
BreastSTEP Prone Position Pillow (P10107-510)
BreastSTEP Prone Comfort Module (P10107-515)

ART.-NR.	P10107-724	System BreastSTEP Prone

Select the appropriate position of the upper arms with different heights and angles of the arm support systems.

Adjust the wrist support systems to the appropriate position.

Position the patient´s head on the head support and place the patient´s arm above the head an onto arm and wrist support.

BreastSTEP – Components

Pillow

Head support cushion for supine positioning with centering disc.

ART.-NR.		
	P10107-240	Pillow Standard A
	P10107-241	Pillow High B
	P10107-202	Pillow Wedge C
	P10107-218	Pillow Block H

Indexing Bar Off-Centered

Indexing Bar 100mm off centered is used for indexed fitting and positioning of accessories on indexed Varian and Elekta tabletops with off-centered indexing points.

ART.-NR.		
	P10107-631	Indexing Bar 100 mm Off-centered for Elekta
	P10107-630	Indexing Bar 100 mm Off-centered for Varian
	P10107-666	Indexing Bar 100 mm Off-centered Carbon for Elekta
	P10107-665	Indexing Bar 100 mm Off-centered Carbon for Varian

Pillow No Sidewall

Head support cushion for supine positioning with centering disc without sidewalls - compatible with all STEP products.

ART.-NR.		
	P10107-231	Pillow K

Wall Holder

Wall Holder to store the BreastSTEP.

ART.-NR.		
	P10107-497	Wall holder for BreastSTEP

Pillow Adapter

The Pillow Adapter enables moving the head rest to the right/left side or cranial/caudal.

ART.-NR.		
	P10107-421	Pillow Adapter for Left – Right
	P10107-422	Pillow Adapter for Cranio – Caudal

PU Cover for Arm /Wrist Support (2 pcs.)

The covers are made of washable, leakproof PU.

ART.-NR.		
	P10107-220	PU Cover for Arm Support (2 pcs)
	P10107-221	PU Cover for Wrist Support (2 pcs)

BreastSTEP Pole Bridge Bar

The adjustable BreastSTEP Pole Bridge Bar allows the patient to hold on to the head end during the treatment.

ART.-NR.		
	P10107-521	BreastSTEP Pole Bridge Bar

BreastSTEP Pole Bridge Bar Long

The longer version of the BreastSTEP Pole Bridge Bar. With the Pole Bridge Bar Long, the patient can extend the arms further back.

ART.-NR.		
	P10107-533	BreastSTEP Pole Bridge Bar Long

Slide Stop

The Slide Stop prevents the patient sliding from the BreastSTEP.

ART.-NR.		
	P10107-420	Slide Stop

BreastSTEP Hand Pole Bar

The BreastSTEP Hand Pole Bar can be gripped by the patient during treatment, offering an extra feeling of security and preventing the patient from slipping when treated in a high angled position.

ART.-NR.		
	P10107-482	BreastSTEP Hand Pole Bar

BreastSTEP – Components

HeadSTEP Upper Plate for BreastSTEP

The HeadSTEP upper plate for BreastSTEP was designed for the routine immobilization of the head. It is an extension of the BreastSTEP system.

| ART.-NR. | P10107-468 | HeadSTEP Upper Plate for BreastSTEP |

Mirror Mount

Mirror Mount for application of DIBH techniques.

| ART.-NR. | P10107-222 | Mirror Mount for BreastSTEP |

BreastSTEP Comfort Module short

The Comfort Modul serves for more comfortable positioning of the upper body with all BreastSTEP systems.

| ART.-NR. | P10107-489 | BreastSTEP Comfort Module Short |

BreastSTEP Mask

BreastSTEP mask material for use with the BreastSTEP Indexed short Mask and Indexed long Mask system.

| ART.-NR. | P10107-483 | BreastSTEP Mask 2 mm |

BreastSTEP Comfort Module Long

The Comfort Modul serves for more comfortable positioning of the upper body with all BreastSTEP systems.

| ART.-NR. | P10107-492 | BreastSTEP Comfort Module Long |

Pillow Round

Head support for lateral head positioning with centering disc.

| ART.-NR. | P10107-453 | Pillow Round |

Comfort Pillow

Pillow for stable positioning of the head. It is higher than the standard Pillow A and supports the head and neck area.

| ART.-NR. | P10107-267 | Pillow Wide A |

Comfort Pillow

Comfort pillow for stable and slightly retroflected positioning of the head.

| ART.-NR. | P10107-268 | Pillow Tilt Wide G |

HIP AND PELVIC

ProSTEP
BellySTEP

HP

Keeping still is a tough job – better take assistance

ProSTEP

The **ProSTEP** is designed to improve the accuracy of positioning and re-positioning of the lower abdomen and extremities. This system combines the advantages and the functionality of the FeetSTEP and the KneeSTEP which are available in both ABS and carbon fibre quality. By using both devices together with the **ProSTEP** baseplate, performance is enhanced, especially when treating the pelvic area.

On the lower end of the baseplate, the KneeSTEP can be adjusted and eventually combined with KneeSTEP elevation block to acquire the optimal height and comfort. The mounted sliding bed for the FeetSTEP allows 17 different longitudinal (1.5 cm steps) and 10 different indexed angular adjustment positions (5° steps).

Because of the indexed positioning of the lower extremities, the **ProSTEP** guarantees high precision repositioning in the pelvic area, thus simplifying and increasing efficiency of the radiation therapy. The **ProSTEP** baseplate is compatible with standard indexing bars and can be used on all brands of couches available on the market for diagnostic and radiotherapy settings.

ProSTEP – Advantages

WHY
ProSTEP

+   Easy positioning and precise repositioning
+   KneeSTEP in combination with elevation block
+   Mounted sliding bed adjusted with FeetSTEP
+   17 different indexed longitudinal adjustment positions (1.5 cm steps)
+   10 different indexed angular adjustment positions (in 5° steps)
+   High comfort in pelvic position
+   Comfortable patient positioning
+   Easy handling and high quality
+   Integrated indexing system
+   Compatibel with all tabletops

ProSTEP – Systems

System ProSTEP ABS

The ProSTEP ABS system is designed for positioning of the lower abdomen and extremities. Offering 17 longitudinal and 10 angular positions with integrated indexing system. Consisting of:

ProSTEP Baseplate (P10107-427)
Sliding Bed for the ProSTEP (P10107-580)
KneeSTEP ABS (P10107-180 /187)
KneeSTEP Elevation Block (P10107-184)

ART.-NR.	P10107-780	System ProSTEP ABS
	P10107-782	System ProSTEP ABS low

System ProSTEP Carbon

The ProSTEP Carbon system is designed for the positioning the lower abdomen and extremities. Offering 17 longitudinal and 10 angular positions with integrated indexing system. Consisting of:

ProSTEP Baseplate (P10107-427)
Sliding Bed for the ProSTEP (P10107-581)
KneeSTEP Carbon (P10107-181)
KneeSTEP Elevation Block (P10107-184)

ART.-NR.	P10107-781	System ProSTEP Carbon

System ProSTEP Short

The ProSTEP Short system is designed for the positioning the lower abdomen and extremities. Offering 17 longitudinal and 10 angular positions with an integrated indexing system. Consisting of:

ProSTEP Baseplate Short (P10107-438)
Sliding Bed for the ProSTEP (P10107-580 /581)
KneeSTEP ABS (P10107-180/181)
KneeSTEP Elevation Block (P10107-184)

ART.-NR.	P10107-788	System ProSTEP Short ABS
	P10107-796	System ProSTEP Short Carbon

ProSTEP simple steps

Set the ProSTEP system on the tabletop.

Choose the appropriate position of the legs with the sliding bed system of the FeetSTEP.

ProSTEP – Systems

System HeelSTEP

The HeelSTEP system was developed for positiong the heel area. Thanks to integrated radiopaque markers and markings for positioning laser, it is suitable for any computer-aided planning. The foot not to be treated can be comfortably placed outside the irradiation field.

ART.-NR.	P10107-728	System HeelSTEP
	P10107-731	System HeelSTEP Light

System ProSTEP Brachy

The BrachySTEP is designed for CT planned treatment in lithotomy position.

ART.-NR.	P10107-785	System ProSTEP Brachy

Select the appropriate position of the KneeSTEP. If necessary, use the elevation block for height adjustment.

Select appropriate position of the feet with the sliding bed system of the FeetSTEP.

Position the patient onto the ProSTEP.

ProSTEP – Components

KneeSTEP

Knee support for quick, easy and accurate knee positioning. Handles on both sides, with 5 integrated indexing positions. Available in carbon fibre or hard plastic.

ART.-NR.	P10107-180	KneeSTEP ABS
	P10107-181	KneeSTEP Carbon

FeetSTEP

Feet support for easy and accurate feet positioning. Flexible handles on both sides, two integrated indexing positions. Available in carbon fibre or hard plastic.

ART.-NR.	P10107-182	FeetSTEP ABS
	P10107-183	FeetSTEP Carbon

KneeSTEP Elevation Block ABS

Elevation block for the KneeSTEP in hard plastic, with integrated indexing system.

ART.-NR.	P10107-184	KneeSTEP Elevation Block ABS

KneeSTEP Low ABS

Lower knee support for quick, easy and accurate knee positioning. Handles on both sides, with 5 integrated indexing positions.

ART.-NR.	P10107-187	KneeSTEP Low ABS

HipSTEP

The HipSTEP is designed to position the hip and abdomen with the help of the HipSTEP mask.

ART.-NR.	P10107-186	HipSTEP

HipSTEP Mask

3.2 mm mask material for HipSTEP including disposable frame.

ART.-NR.	P10107-380	HipSTEP Mask Maxi 3,2 mm

Shoulder Retractor

2 straps with hand grips which can be attached to the ProSTEP. Positioning holes are colour-coded.

ART.-NR.	P10107-185	Shoulder Retractor

Wall Holder

Wall Holder to store the ProSTEP.

ART.-NR.	P10107-496	Wall holder for ProSTEP

Comfort Pillow

Pillow for stable positioning of the head. It is higher than the standard Pillow A and supports the head and neck area.

ART.-NR.	P10107-267	Pillow Wide A

Comfort Pillow

Comfort pillow for stable and slightly retroflected positioning of the head.

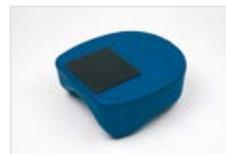| ART.-NR.	P10107-268	Pillow Tilt Wide G

ProSTEP – Components

ProSTEP Pillow Fix

Head support which either can be used alone or mounted on the tabletop using the indexing adapter.

ART.-NR.	P10107-232	ProSTEP Pillow Fix

ProSTEP Pillow Slide

Head support which either can be used alone or mounted on a tabletop using an indexing adapter. Due to the smaller baseplate it can be moved in cranial/caudal direction.

ART.-NR.	P10107-233	ProSTEP Pillow Slide

ProSTEP Pillow Indexing Adapter

The ProSTEP Pillow Indexing Adapter is used to attach the ProSTEP Pillows to the patient table with the help of Standard Indexing Bars.

ART.-NR.	P10107-234	ProSTEP Pillow Indexing Adapter

ProSTEP Baseplate

Baseplate for ProSTEP Systems.

ART.-NR.	P10107-427	ProSTEP Baseplate
	P10107-438	ProSTEP Baseplate Short

Indexing Bar Carbon

The Indexing Bar Carbon is used for indexed fitting and positioning of adequate accessories on indexed tabletops.

ART.-NR.	P10107-409	Indexing Bar 14 Carbon for Elekta (set of 2)
	P10107-609	Indexing Bar 14 Carbon for Varian (set of 2)
	P10107-610	Indexing Bar 14 Carbon for Pin Indexing (set of 2)

ProSTEP Sliding Bed

The ProSTEP sliding bed is a component of the ProSTEP system. Available with or without FeetSTEP ABS/carbon.

ART.-NR.	P10107-428	ProSTEP Sliding Bed (No FeetSTEP)
	P10107-580	Sliding Bed for the ProSTEP (incl. FS ABS)
	P10107-581	Sliding Bed for the ProSTEP (incl. FS Carbon)

BellySTEP

The **BellySTEP** foam based positioning system provides one of the most comfortable devices available on the market. The three different sized belly inserts guarantee customized bowel displacement.

The **BellySTEP** is designed to reduce the irradiation of the small bowel volume of patients and to facilitate a proper and comfortable prone position during pelvic area treatment. The BellySTEP consists of a foam baseplate covered with artifical leather, interchangeable inserts and the BellySTEP prone position pillow. All BellySTEP parts are made of polyethylene foam, which offers patients high comfort without compromising the stability.

The **System BellySTEP** allows patient friendly, non-invasive positioning whenever accuracy and reproducibility is essential for optimized therapy schedules. In addition, even MRI or PET planning is possible since the BellySTEP consists of high quality, metal-free and non-conductive materials. It simplifies and expedites the radiation therapy procedure to increase time efficiency.

WARUM

BellySTEP

+ Easy positioning and precise repositioning
+ Minimizes patient movements
+ High comfort in belly and pelvic positioning
+ Three different inserts
+ Prone position pillow
+ Maximum stability and durability
+ Suitable for CT, MRT and PET planning

System BellySTEP

The BellySTEP system is designed for the positioning of the abdominal region for precise radiation in a comfortable prone position, therefore minimizing the radiation exposure of the small intestine as much as possible. Consisting of:

BellySTEP Base Plate (P10107-160)
BellySTEP Insert A – Medium (P10107-161)
BellySTEP Insert B – Large (P10107-162)
BellySTEP Insert C – Small (P10107-163)
BellySTEP Prone Position Pillow (P10107-164)

ART.-NR.	P10107-760	System BellySTEP

BellySTEP with BellySTEP prone position pillow

Set the BellySTEP on the table.

BellySTEP – Components

BellySTEP Base Plate

The BellySTEP Baseplate is made of polyethylene foam and covered with artificial leather for easy disinfection.

ART.-NR.	P10107-160	BellySTEP Base Plate
	P10107-168	BellySTEP Base Plate cut out long
	P10107-169	BellySTEP Base Plate no cut out

BellySTEP Insert A - Medium

The BellySTEP Insert A is a polyethylene, leakproof cushion for the BellySTEP baseplate. Made for patients with an average belly size.

ART.-NR.	P10107-161	BellySTEP Insert A – Medium

BellySTEP Insert B - Large

The BellySTEP Insert B is a polyethylene, leakproof cushion for the BellySTEP baseplate. Made for patients with a big belly.

ART.-NR.	P10107-162	BellySTEP Insert B – Large

BellySTEP Insert C - Small

The BellySTEP Insert C is a polyethylene, leakproof cushion for the BellySTEP baseplate. Made for patients with a small belly.

ART.-NR.	P10107-163	BellySTEP Insert C – Small

BellySTEP Prone Position Pillow

The shoulder support of the pillow provides pressure relief for the chest and thus ensures greater comfort.

ART.-NR.	P10107-164	BellySTEP Prone Position Pillow

BellySTEP Prone Position Pillow Cover

Removeable and washable cover for the Prone Pillow.

ART.-NR.	P10107-167	BellySTEP Prone Position Pillow Cover

BellySTEP Indexing Adapter

The BellySTEP Indexing Adapter and Indexing Bars are used for attaching the BellySTEP baseplate to indexed couchtops from Elekta, Siemens and Varian.

ART.-NR.	P10107-165	BellySTEP Indexing Adapter
	P10107-484	BellySTEP Indexing Bar for Elekta
	P10107-485	BellySTEP Indexing Bar for Varian
	P10107-486	BellySTEP Indexing Bar for Pin Indexing

BellySTEP Indexing Frame ABS

The Indexing Frame allows the use of indexing bars with the BellySTEP baseplate - without adapter.

ART.-NR.	P10107-166	BellySTEP Indexing Frame

BellySTEP simple steps

Select the appropriate belly insert and snap it into the baseplate.

Position the patient onto the BellySTEP, starting cranially and sliding into the caudal direction. The pubic bone must be positioned in the caudal aperture for an optimal reduction of the small bowel volume.

Position the patient´s head on the prone position head support. Place the crossed arms of the patient in front of the BellySTEP Prone Position Pillow.

MR STEP

HeadSTEP MR
BreastSTEP MR
WingSTEP MR
ProSTEP PC MR

MR

Keeping still is a tough job – better take assistance

MR STEP

For use in MR or MR-Linac, we have developed a range of immobilization aids that guarantee safe, precise and reproducible positioning during MRI as well as during radiotherapy. The series includes the systems **HeadSTEP MR, WingSTEP MR, BreastSTEP MR** and **ProSTEP MR** and facilitates the immobilization of the head and thorax region and the extremities. Our positioning aids of the STEP MR series are the only devices worldwide designed and tested exclusively for the Elekta MR-Linac. They can be attached to the patient table and precisely repositioned using our indexing bars.

WHY
MR STEP

+ Suitable for CT, MRI and MR-Linac
+ Modules for head, thorax and extremity positioning available
+ Ensures simple, precise and reproducible positioning
+ Guaranties highest stability and durability
+ Compatible to most patient tables
+ Features our proven indexing system

MR STEP – Systems

System HeadSTEP Shoulder MR

The HeadSTEP Shoulder MR system is designed for routine head and shoulder immobilization. Includes height adjustment with 23 positions. The system is MR compatible. Consisting of:

HeadSTEP Shoulder Basic Module MR (P10107-429)
Pillow A, B, D, E, F, G (P10107-255/256/257/258/259/260)
HeadSTEP Shoulder Adapter Extension (P10107-407)
HeadSTEP Shoulder Comfort Module (P10107-411)

ART.-NR.	P10107-711	System HeadSTEP Shoulder MR

System HeadSTEP MR

The HeadSTEP Shoulder MR system is designed for routine head and shoulder immobilization. Includes height adjustment with 23 angles. The system is MR compatible. Consisting of:

HeadSTEP MR Basic Module (P10107-400)
Pillow A, B, D, E, F, G (P10107-255/256/257/258/259/260)
Indexing Adapter (P10107-406)

ART.-NR.	P10107-704	System HeadSTEP MR

System HeadSTEP IMRT MR

The HeadSTEP IMRT MR is designed for routine head and shoulder immobilization and can protrude over the couchtop. Includes height adjustment with 23 angles. The system is MR compatible. Consisting of:

HeadSTEP IMRT Basic Module MR
Pillow A, B, D, E, F, G (P10107-255/256/257/258/259/260)
HeadSTEP Shoulder Adapter Extension (P10107-407)

ART.-NR.	P10107-715	System HeadSTEP IMRT MR

System BreastSTEP Indexed Short & Long MR

The BreastSTEP system Indexed Short & Long MR is designed for routine breast and thorax positioning. The system is MR compatible. Consisting of:

BreastSTEP Basic Module Short & Long MR
Pillow Standard A MR (P10107-255)
Slide Stop PC MR (P10107-518)
2 x BreastSTEP Arm Support MR
2 x BreastSTEP Wrist Support MR

ART.-NR.	P10107-722	System BreastSTEP Indexed Short MR
	P10107-723	System BreastSTEP Indexed Long MR

MR STEP – Systems

System WingSTEP High MR

The WingSTEP High MR system is specially designed for routine breast and thorax positioning in larger CT apertures (bore diameter > 70cm). The system is MR compatible. Consisting of:

WingSTEP MR high Baseplate (P10107-490)
Pillow Standard A MR (P10107-255)
Arm Support Ball Joint (P10107-444)
Wrist Support Ball Joint (P10107-443)

ART.-NR.	P10107-754	System WingSTEP MR High – Ball Joint

System WingSTEP Low MR

The WingSTEP Low MR system is specially designed for routine breast and thorax positioning in smaller CT apertures (bore diameter < 70cm). The system is MR compatible. Consisting of:

WingSTEP MR low Baseplate (P10107-466)
Pillow Standard A MR (P10107-255)
Arm Support Ball Joint (P10107-444)
Wrist Support Ball Joint (P10107-443)

ART.-NR.	P10107-753	System WingSTEP MR Low – Ball Joint

System ProSTEP PC MR

The ProSTEP PC MR system is designed for the positioning the lower abdomen and extremities. Offering 17 longitudinal and 10 angular positions with integrated indexing system. The system is MR compatible. Consisting of:

ProSTEP Baseplate (P10107-427)
FeetSTEP PC MR (P10107-237)
KneeSTEP PC MR (P10107-235/236)
KneeSTEP Elevation Block PC MR (P10107-238)

ART.-NR.	P10107-783	System ProSTEP PC MR
	P10107-794	System ProSTEP PC MR low

System ProSTEP PC MR Short

The ProSTEP PC MR system is designed for the positioning the lower abdomen and extremities. Offering 17 longitudinal and 10 angular positions with integrated indexing system. The system is MR compatible. Consisting of:

ProSTEP Baseplate Short (P10107-438)
FeetSTEP PC MR (P10107-237)
KneeSTEP PC MR (P10107-235/236)
KneeSTEP Elevation Block PC MR (P10107-238)

ART.-NR.	P10107-797	System ProSTEP Short PC MR
	P10107-799	System ProSTEP Short PC MR low

MR STEP – Components

KneeSTEP PC MR

Knee support for quick, easy and accurate knee positioning. Handles on both sides, with 5 integrated indexing positions. Made of MR compatible polycarbonate.

ART.-NR.	
P10107-235	KneeSTEP PC MR
P10107-236	KneeSTEP PC MR Low

KneeSTEP Elevation Block PC MR

Elevation block for raising the KneeSTEP with integrated indexing system.
Made of MR compatible polycarbonate.

ART.-NR.	
P10107-238	KneeSTEP Elevation Block PC MR

Indexing Bar MR

The Indexing Bar MR is used for indexed fitting and positioning of adequate accessories on indexed tabletops from Elekta, Siemens and Varian.

ART.-NR.	
P10107-618	Indexing Bar 14 MR Glasfaser for Viewray
P10107-619	Indexing Bar 14 MR Glasfaser for Elekta
P10107-620	Indexing Bar 14 MR Glasfaser for Varian
P10107-621	Indexing Bar 14 MR Glasfaser for Pin Indexing
P10107-671	U7 Indexing Bar MR Glasfaser for Varian

Kopfschalen MR

Pillows for the MR STEP Systems und Basic Modules.

ART.-NR.	
P10107-255	Pillow Standard A - MR
P10107-256	Pillow High B - MR
P10107-257	Pillow Tilt D - MR
P10107-258	Pillow Short Neck E - MR
P10107-259	Pillow Small F - MR
P10107-260	Pillow Tilt Small G - MR
P10107-263	Pillow High AC - MR
P10107-266	Pillow Tilt M

MR STEP Overlay

The MR STEP Overlay is designed to optimize the positioning stability, precision and reproducibility.

ART.-NR.	
P10107-662	MR STEP Siemens Standard
P10107-667	MR Flexcoil Holder for Head
P10107-668	MR Flexcoil Holder for Body

FeetSTEP PC MR

Feet support for easy and accurate feet positioning. Handles on both sides, two integrated indexing positions. Made of MR compatible polycarbonate.

ART.-NR.	
P10107-237	FeetSTEP PC MR

OVERLAY AND TBI

TBI
CT STEP
iBEAM evo CT Overlay

OT

Building starts with a strong foundation

Total Body Irradiation

Newly developed, rotatable tabletop including the corresponding adapter for VMAT Total Body Irradiation (TBI) treatment. The system makes it possible to perform whole-body irradiation at the linear accelerator in VMAT technique with homogeneous dose distribution within the target volume. This makes it possible to reduce the dose to healthy tissue and organs at risk without individual, external shielding. It consists of a table top and an adapter that allows the table top to be rotated from a head-first to a feat-first position without having to move the patient. This reduces the risk of field overlap to a minimum.
The tabletop can be used on both the CT and the linear accelerator. The integrated indexing system supports optimal reproducibility of patient positioning by means of positioning aids.

WHY
TBI

+ Exact reproducible positioning of patients
+ No active repositioning of the patient from head-first to feet-first position necessary
+ Homogeneous dose distribution in PTV via VMAT
+ No field overlap
+ Easy rotation with the help of handles
+ No external shielding of organs at risk necessary

TBI – Systems, Components

System TBI STEP

The System TBI STEP allows the patient to be rotated during whole-body irradiation without repositioning. It consists of:

CT STEP Basic Modul 2,40 m (P10107-614/673)
TBI Adapter CS (P10107-527)
Indexing Bar 14 Carbon (set of 2) (P10107-409)
Hand Grip Pole (left & right) (P10107-511)

ART.-NR.	P10107-757	System TBI STEP 2.4 m
	P10107-758	System TBI STEP 2.4 m for Varian

CT STEP Basic Modul

The CT STEP is designed to optimize the positioning´s stability, precision and reproducibility.

ART.-NR.	P10107-614	CT STEP Basic Modul
	P10107-673	CT STEP Basic Modul Varian

TBI Adapter CS

The adapter allows the CT STEP Basic Module to be rotated.

ART.-NR.	P10107-527	TBI Adapter CS

iBEAM evo Hand Grip Pole

The iBEAM evo Hand Grip Pole allows the patient to hold on during treatment.

ART.-NR.	P10107-511	iBEAM evo Hand Grip Pole (left & right)

Indexing Bar 14 Carbon

The Indexing Bar Carbon is used for indexed fitting and positioning of adequate accessories on indexed tabletops.

ART.-NR.	P10107-409	Indexing Bar 14 Carbon (set of 2)

TBI Trolley

Trolley for transporting the TBI STEP.

ART.-NR.	N 001	TBI Trolley

CT Overlay

The **iBEAM evo CT Overlay** and the **CT STEP** facilitate new potentials for treatment planning and simulation. The iBEAM evo CT Overlay is identical in design, geometry and dosimetric properties with the iBEAM couchtop and offers the total department solution in combination with an iBEAM evo couchtop (installed on the linac table).

The **iBEAM evo CT Overlay** rests above the plane of the original CT cradle. The digital removal of the cradle provides the capability to take the beam attenuation and dosimetric aspects of the iBEAM evo couchtop into account of your treatment planning data set. By utilizing the same tabletop configuration for planning and treatment, both patient position and beam modeling can be accurately represented and replicated.

The **integrated indexing system** optimizes patient positioning accuracy and reproducibility, reducing patient setup time, minimizing patient setup inaccuracy further in the treatment chain, and maximizing the stability of positioning devices. The iBEAM evo interchangeable extensions are light, easy to attach and enable flexible patient positioning, rapid patient setup and improved clinical workflow throughout the oncology center. The **iBEAM evo CT overlay** and **CT STEP** also address the clinical requirements for intra- and extra-cranial stereotactic treatments, providing a solid foundation for stereotactic hardware. Furthermore they provide the necessary interfaces to connect BodyFIX or HeadFIX frames.

CT Overlay – Advantages

WHY

CT Overlay

+ Increased application possibilities for radiation planning and simulation
+ Integrated indexing system
+ Optimized stability, precision and position reproducibility
+ High quality performance and easy handling
+ Specially designed to reduce image artifacts
+ Quick and easy installation and removal
+ CT Overlay is available for various CT models
+ Interfaces for stereotactic EOL- and BodyFIX frame

CT Overlay – Components

iBEAM evo CT overlay Base only

The iBEAM evo CT Overlay is identical in design, geometry and dosimetric properties with the iBEAM evo Couchtop.

| ART.-NR. | P10105-137 | iBEAM evo CT Overlay Base only |
| | P10105-183 | iBEAM evo CT Overlay RT (nur für PET) |

iBEAM evo Hand Grip Pole

The iBEAM evo Hand Grip Pole allows the patient to hold on during treatment.

| ART.-NR. | P10107-511 | iBEAM evo Hand Grip Pole |

iBEAM evo CT Overlay Interface

Interfaces are available for various CT models.

ART.-NR.	P10105-160	iBEAM evo CT Overlay GE LS RT16 Interface
	P10105-165	iBEAM evo CT Overlay Siemens P20 Interface
	P10105-169	iBEAM evo CT Overlay Philips BCT Interface
	P10105-171	iBEAM evo CT Overlay GE LS PU Interface
	P10105-177	iBEAM evo CT Overlay Toshiba Aquilion LB Interface
	P10105-180	iBEAM evo CT Overlay Siemens PHS-1600 Interface
	P10105-181	iBEAM evo CT Overlay Siemens MPT Interface
	P10105-182	iBEAM evo CT Overlay Biograph Interface

iBEAM evo Extension

The iBEAM evo Extension is designed to support the patients head and neck region and extends off the end of the couchtop by 415 /650 mm.

| ART.-NR. | P10105-412 | iBEAM evo Extension 415 |
| | P10105-423 | iBEAM evo Extension 650 |

System HeadSTEP iBEAM evo Extension

The HeadSTEP iBEAM evo extension system is designed for routine head and shoulder immobilization using the iBEAM evo Couchtop and extends the end of the iBEAM evo couchtop by 515/615 mm. It includes a height adjustment with 23 angles and a shoulder adapter. Consisting of:

HeadSTEP iBEAM evo Basic Module (P10107-402/472)
Pillow A, B, C, D, Y, Z, Distance Plate (P10107-200/201/202/203/204/205/206)
HeadSTEP Shoulder Adapter Extension (P10107-407)

| ART.-NR. | P10107-702 | System HeadSTEP iBEAM evo Extension |
| | P10107-708 | System HeadSTEP iBEAM evo Extension long |

The CT Overlays are available for various CT models

CT Overlay – Components
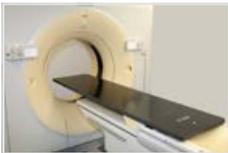
CT STEP Overlay

The CT STEP is designed to optimize the positioning´s stability, precision and reproducibility.

ART.-NR.		
	P10107-613	CT STEP Basic Module 2.1 m
	P10107-614	CT STEP Basic Module 2.4 m

Indexing Bar Carbon and Standard

The Indexing Bar allows indexing and positioning of compatible surface mounted accessories.

ART.-NR.		
	P10107-409	Indexing Bar 14 Carbon for Elekta (set of 2)
	P10105-110	iBEAM Indexing Bar (set of 3)

CT STEP Interfaces

Interfaces are available for various CT models (on request).

ART.-NR.		
	P10107-615	CT STEP Interface Siemens P 20
	P10107-616	CT STEP Interface Philips

iBEAM evo CT Overlay simple steps

To take off the CT Overlay from the arched CT frame press the arrest button.

Lift the CT Overlay to take it off.

ACCESSORIES

BeekleySPOTS
Gold Marker
Bolus
MoldCARE
FoamSTEP
Vacuum Cushions
TattooSTEP

AC

Don't you miss something?

Beekley SPOTS

Beekley SPOTS provide a precise labeling of the patient with accurate marker lines which do not fade or stain. Due to the long durability the markers do not have to be applied again before each treatment – this saves time and money. All the products are made of breathable, fully elastic material which has been dermatologically tested. Taking a shower is not an issue - moisture can easily escape through the foil.

WHY
Beekley SPOTS

+ Accurate determination of the aimed volume through a bigger radiopaque imaging area without artifacts
+ Enormous time saving compared to the conventional marking methods
+ No leakage or staning even in case of body contact over a longer period of time
+ Very easy handling
+ Moisture can ooze off through the foil
+ Extremely thin, fully elastic foil with grid punching

Beekley SPOTS – Components

X-SPOT Pellet 1.5 mm

1.5 mm lead-free pellet (150/ Box).

ART.-NR.	CS 101	X-SPOT Pellet 1.5 mm (150 pcs)

Y-SPOT Pellet 2 mm

2 mm lead-free pellet (132/ Box).

ART.-NR.	CS 102	Y-SPOT Pellet 2 mm (132 pcs)

POINTGUARDS Clear Cover round Ø 2.5 cm

2.5 cm circular adhesive covers for smaller treatment planning marks.
See-through cover for quicker and more precise placement (100/Box).

ART.-NR.	PG 315	POINTGUARDS Clear Cover round Ø 2.5 cm (100 pcs)

POINTGUARDS round Ø 2.5 cm

2.5 cm circular adhesive covers for smaller treatment planning marks (100/Box).

ART.-NR.	PG 115	POINTGUARDS round Ø 2.5 cm (100 pcs)

X-SPOT Pellet Floral 1.5 mm

1,5 mm lead-free pellet (150/ Box).

ART.-NR.	CS 601	X-SPOT Pellet Floral 1.5 mm (150 pcs)

POINTGUARDS oval 1.5 x 5 cm

1.5 cm x 5.0 cm linear adhesive covers for longer, more linear treatment planning marks (75/Box).

ART.-NR.	PG 215	POINTGUARDS oval 1.5 x 5 cm (75 pcs)

S-SPOTS Floral Line Ø 0.33 mm

Ideal for marking scars. 0.33 mm diameter radiopaque line, burnout-resistand, bright image (363 cm cut to measure roll/box).

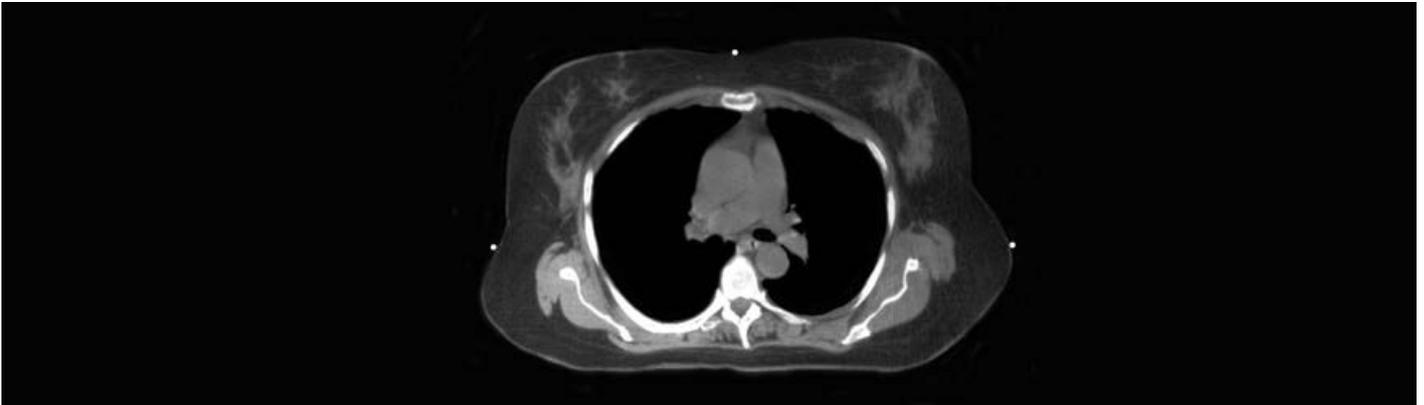| ART.-NR.	CS 607	S-SPOTS Floral Line Ø 0.33 cm (363 cm Rolle)

CRADLES

Translucent cover with foam adhesive border. Disposable, clear covers for protecting and stabilizing the needle localization wire (12/Box).

ART.-NR.	CR309	CRADLES

Beekley SPOTS – Components

CT/MR Pinpoint Multimodality

Ideal for image registration performed under CT and MRI. Conical design with a 1.27 mm diameter center hole (30/Box).

ART.-NR.	CTMR 128	CT/MR Pinpoint Multimodality (30 pcs)

MR PinPoint Ø 6 mm

6 mm Radiance filled inner diameter. Ideal for small field of view imaging in MRI, precisely identifies an exact area of interest in MRI (40/Box).

ART.-NR.	CTMR 187	MR PinPoint Ø 6 mm (40 pcs)

MR-SPOTS Pellet 3 cm

3.0 cm Radiance filled tube. Ideal for thoracic spines and larger areas of interest (40/Box).

ART.-NR.	CTMR 121	MR-SPOTS Pellet 3 cm (40 pcs)

MR-SPOTS Pellet 1.5 cm

1.5 cm Radiance filled tube. Ideal for extremities, soft tissue masses, and breast MRI (40/Box).

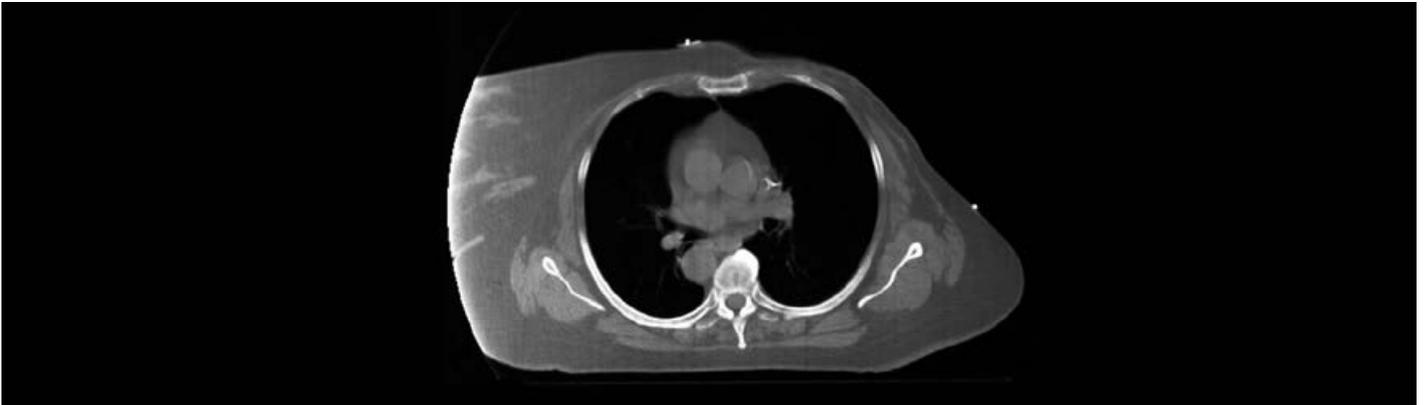| ART.-NR.	CTMR 122	MR-SPOTS Pellet 1.5 cm (40 pcs)

Beekley SPOTS simple steps

**Position patient.
Peel off the protective foil.**

**Adjust the SPOT precisely
to the laser beam and stick
it on.**

Beekley SPOTS – Components

CT-SPOTS Pellet 2.3 mm

2.3 mm non-metallic pellet, for 3-point set-ups and isocenters (85/Box)

ART.-NR.	CTMR 119	CT-SPOTS Pellet 2.3 mm (85 pcs)

CT-SPOTS Pellet 4 mm

4.0 mm non-metallic pellet, for 3-point set-ups and isocenters (85/Box)

ART.-NR.	CTMR 120	CT-SPOTS Pellet 4 mm (85 pcs)
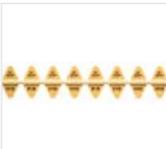
CT-SPOTS line Ø 2 mm

2.0 mm diameter non-metallic line, for marking scars and field borders (320cm cut to measure roll/ Box)

ART.-NR.	CTMR 118	CT-SPOTS line Ø 2 mm (320 cm Rolle)

CT-SPOTS crosshair 2 x 2 cm

2.0 cm x 2.0 cm non-metallic crosshair, for 3-point set-ups, isocenters and field borders (50/Box)

ART.-NR.	CTMR 123	CT-SPOTS crosshair 2 x 2 cm (50 pcs)

After positioning the SPOT press it on and peel off the protective foil.

Again press on the marker.

Example

Gold Marker

Some organs show a tendency for increased moveability. They change their relative position to the bone structure. To do a precise determination of the target, it requires the application of implanted markers with a good contrast in all imaging modalities. **Gold Marker** enable a precise tumor localization with a multitude of imaging methods such as X-ray, kV and MV imaging, CT, CBCT, MRT and Ultrasonography. By using Gold Markers you contribute decisively to the success of high precision radiation.

WHY
Gold Marker

+ Perfect marker for RT, IMRT, IGRT and adaptive radiation therapy
+ Ideal contrasts on the vertification imaging at the Linac (KV and MV) as well as CT and MRT
+ For accurate panel positioning
+ Faster performance through simplified positioning
+ Better visibility of organ movements (e.g. prostate, lung, liver)
+ A wide range of diameters and lenghts is available
+ Simple matching with CBCT images

Gold Marker – Components

FlexiMarc

The Fleximarc G/T consists of two knurled gold nodes connected by a thin titanium filament. Because of the low density and high magnetic susceptibility of titanium, this marker images as two distinct markers in CT/kV/CBCT, while having enhanced visibility in MRI. The Fleximarc G/T is an excellent option for SpaceOAR cases, intrafractional tracking with Synchrony or Varian's ABH, or any case where MR fusion is prescribed.

PolyMark

Polymere based marker, visible in CT and MR without artifacts. Length 3.0 mm and diameter 1.0 mm.

ART.-NR.		
FM-1.0-2-20-GT-18-20	FlexiMarc GT	

ART.-NR.		
PM-1.0-3-18-20	PolyMark 1.0 mm dia x 3 mm loaded in 18 G needle 20 cm	

Gold Marker in the implementation needle

Marker Seeds are preloaded in the implementation needles, its distal ends are sealed with bonewax. The sterile wrappings contain sets of 2, 3 or 4 sterile applicator needles. (other sizes on request)

ART.-NR.	
GM1231-1720	Gold Marker Kit, 17 g, 20 cm, 1.2 x 3 mm, 1 Needle, 1 Marker
GM1233-1720	Gold Marker Kit, 17 g, 20 cm, 1.2 x 3 mm, 3 Needles, 3 Marker
GM1234-1720	Gold Marker Kit, 17 g, 20 cm, 1.2 x 3 mm, 4 Needles, 4 Marker
GM1251-1720	Gold Marker Kit, 17 g, 20 cm, 1.2 x 5 mm, 1 Needle, 1 Marker
GM1253-1720	Gold Marker Kit, 17 g, 20 cm, 1.2 x 5 mm, 3 Needles, 3 Marker
GM1231-1730	Gold Marker Kit, 17 g, 30 cm, 1.2 x 3 mm, 1 Needle, 1 Marker
GM1233-1730	Gold Marker Kit, 17 g, 30 cm, 1.2 x 3 mm, 3 Needles, 3 Marker
GM1251-1730	Gold Marker Kit, 17 g, 30 cm, 1.2 x 5 mm, 1 Needle, 1 Marker
GM0833-1820	Gold Marker Kit, 18 g, 20 cm, 0.8 x 3 mm, 3 Needles, 3 Marker
GM1031-1820	Gold Marker Kit, 18 g, 20 cm, 1.0 x 3 mm, 1 Needle, 1 Marker
GM1033-1820	Gold Marker Kit, 18 g, 20 cm, 1.0 x 3 mm, 3 Needles, 3 Marker
GM1034-1820	Gold Marker Kit, 18 g, 20 cm, 1.0 x 3 mm, 4 Needles, 4 Marker
GM1051-1820	Gold Marker Kit, 18 g, 20 cm, 1.0 x 5 mm, 1 Needle, 1 Marker
GM1053-1820	Gold Marker Kit, 18 g, 20 cm, 1.0 x 5 mm, 3 Needles, 3 Marker

Bolus

Bolus Material is used because of its tissue-like properties to modify the radiation dose and distribution during a treatment. It can also compensate unevenness of the body surface or missing tissues. **Bolus Material** has a very uniform material thickness and withstands a radiation dose of ten thousand Gray without loss of quality. Our **Bolus Material** products adapt very well to the contours of the body surface without relevant change in thickness. Bolus material can be simply cut to the desired size or stacked if required. The material is anti-allergenic, nontoxic and can be cleaned with water or alcohol-based cleaners.

Bolus Material is available in two variants: one variant has a skin-like protective film, which increases the durability; the variant without protective layer is softer, adapts more easily to the body surface and adheres better.

WHY
Bolus

+ Compensate the unevenness of the body surface
+ To change the local radiation dose and distribution
+ Easy to clean
+ Anti-allergenic and non-toxic
+ With or without skin-like protective film
+ Available in different sizes

Bolus – Components

Bolus with film

Bolus with protective film, which is extremely durable.

ART.-NR.		
31051	**Bolus 15 cm x 15 cm x 0.5 cm with film**	
31101	**Bolus 15 cm x 15 cm x 1.0 cm with film**	
31052020	**Bolus 20 cm x 20 cm x 0.5 cm with film**	
31102020	**Bolus 20 cm x 20 cm x 1.0 cm with film**	
31052	**Bolus 30 cm x 30 cm x 0.5 cm with film**	
31102	**Bolus 30 cm x 30 cm x 1.0 cm with film**	
31054040	**Bolus 40 cm x 40 cm x 0.5 cm with film**	
31104040	**Bolus 40 cm x 40 cm x 1.0 cm with film**	

Bolus without film

Skinless Bolus which is soft and self-adhesive.

ART.-NR.		
32052	**Bolus 30 cm x 30 cm x 0.5 cm no film**	
32102	**Bolus 30 cm x 30 cm x 1.0 cm no film**	
32152	**Bolus 30 cm x 30 cm x 1.5 cm no film**	

Thermobolus

Thermoplastic Bolus becomes flexible when heated (waterbath) allowing you to easily follow the patients' contours.

ART.-NR.		
8336.SO1/R/53	**Thermo Bolus 10 x 10 x 0.5 cm (5 pcs)**	
8336.SO1/R/58	**Thermo Bolus 15 x 15 x 0.5 cm (5 pcs)**	
8336.SO1/R/59	**Thermo Bolus 20 x 20 x 0.5 cm (5 pcs)**	

Allfit Bag of 500 g

Thermoplastic Bolus becomes flexible when heated (waterbath) allowing you to easily follow the patients' contours.

ART.-NR.		
7003011/1	**Allfit Bag of 500 g**	

MoldCARE

The moisture-activated **MoldCARE cushions** guarantee an individual, stable and comfortable positioning of the head, limbs and other body areas in an efficient, very precise and reproducible manner. The basic material of MoldCARE has a low specific weight and can also be used in dose distribution measurements during CT simulation or therapy. The cushions adjust exactly to the patient's body position necessary for irradiation. **MoldCARE cushions** guarantee comfortable, stable positioning and contribute to patient comfort.

WHY

MoldCARE

+ Optimized workflow
+ Easy to prepare
+ Require little storage space
+ High Quality
+ Enhanced patient comfort

MoldCARE – Components

MoldCARE Head Cushion

MoldCARE Cushions provide customized head support for an efficient, comfortable and reproducible positioning.

ART.-NR.		
	93066	MoldCARE RI 2 – HN 0.5, 20 x 15 cm
	93741	MoldCARE RI 2 – HN 1, 20 x 25 cm
	93742	MoldCARE RI 2 – HN 2, 20 x 45 cm
	94512	MoldCARE RI 2 – HN E, 20 x 34 cm

MoldCARE Body Cushion

MoldCARE Cushions provide customized body support for an efficient, comfortable and reproducible positioning.

ART.-NR.		
	93821	MoldCARE RI 2 – BR 1, 60 x 40 cm
	93822	MoldCARE RI 2 – BR 3, 60 x 60 cm

MoldCARE Adapter

The MoldCARE Adapter in combination with the MoldCARE Centering disc ensures an individual, stable and comfortable positioning of the head on the HeadSTEP Systems.

ART.-NR.		
	P10107-641	MoldCARE Adapter
	P10107-642	MoldCARE Centering Disc (5 pcs)

FoamSTEP

The **FoamSTEP positioning pillows** are specially designed to position the patient quickly, stably and comfortably. They are individually applicable for optimal routine positioning of head, neck, body and extremities. The FoamSTEP pillows contain a soft elastic foam material, covered with leakproof, easy to clean surface. The FoamSTEP can be treated with many common cleaning and disinfecting agents.

WHY
FoamSTEP

+ Comfortable positioning
+ Leakproof positioning
+ Easy to cleam
+ Available singly or in sets
+ Various forms and sizes
+ Individual forms can be requested

FoamSTEP – Components

System FoamSTEP

The FoamSTEP Set contains 8 different rolls, wedges, and rectangular positioning pillows.

ART.-NR.		
	P10107-784	**System FoamSTEP**
	P10107-792	**System FoamSTEP Plus**

FoamSTEP Rectangle

The FoamSTEP Rectangle enables quick, stable and comfortable routine positioning.

ART.-NR.		
	P10107-454	**FoamSTEP Rectangular 270 x 180 x 70 mm**

FoamSTEP Wedge

The FoamSTEP Wedge enables quick, stable and comfortable positioning with different angles of the extremities.

ART.-NR.		
	P10107-458	**FoamSTEP Wedge 270 x 250 x 120 to 10 mm**
	P10107-459	**FoamSTEP Wedge 270 x 250 x 60 to 10 mm**
	P10107-460	**FoamSTEP Wedge 270 x 250 x 30 to 10 mm**
	P10107-461	**FoamSTEP Wedge 130 x 250 x 60 to 0 mm**

FoamSTEP Roll

The FoamSTEP Roll enables quick and comfortable head or leg positioning.

ART.-NR.		
	P10107-455	**FoamSTEP Roll 300 x Ø 70 mm**
	P10107-456	**FoamSTEP Roll 300 x Ø 100 mm**
	P10107-457	**FoamSTEP Roll 500 x Ø 135 mm**
	P10107-462	**FoamSTEP Semiroll 400 x 220 x 220 Dm (H110)**

FoamSTEP Comfort Modul Grey

The FoamSTEP comfort modules are comfortable table pads.

ART.-NR.		
	P10107-501	**FoamSTEP Comfort Module Grey 900 x 450 x 30 mm**
	P10107-502	**FoamSTEP Comfort Module Grey 900 x 450 x 15 mm**
	P10107-503	**FoamSTEP Comfort Module Grey 1800 x 450 x 15 mm**
	P10107-504	**FoamSTEP Comfort Module Grey 1800 x 450 x 30 mm**
	P10107-501/60	**FoamSTEP Comfort Module Grey 600 x 450 x 30 mm**
	P10107-502/60	**FoamSTEP Comfort Module Grey 600 x 450 x 15 mm**

FoamSTEP Pillow

Non-indexable FoamSTEP Pillow for prone and supine patient positioning.

ART.-NR.		
	P10107-463	**FoamSTEP Pillow 240 x 250 x 100 mm**
	P10107-505	**FoamSTEP Pillow Prone**

Vacuum Cushions

Vacuum Cushions offer one of the most advanced vacuum cushion technologies available today. They create a comfortable, stable and precise mold of the patient´s position. The method is very simple: when a negative pressure of appr. 650 mbar is initially generated in the cushion, it retains its shape and ensures integrity of the patient mold for up to six weeks. Vacuum Cushions facilitate reproducible patient positioning, from imaging to treatment and subsequent treatment fractions and improve clinical workflow. Manufactured entirely from radiotranslucent materials, Vacuum Cushions provide consistent artifact free imaging with minimal beam attenuation. The combination of high quality coating materials with a special filling of polystyrene beads ensures a highly conformal, patient specific mold. Specially coated nylon material enables smooth mold definition and easy cleaning. All materials are engineered to resist degradation due to radiation in the clinical environment, providing long life expectancy. Vacuum Cushions are available in **indexed VBAG** and **non-indexed BlueBAG** variants.

Vacuum Cushions – Advantages

WHY

Vacuum
Cushions

+ Accurate and non-invasive patient positioning
+ Contouring molds stable for weeks
+ Precise, passive patient positioning
+ Flexible application – reliable for routines
+ Easy to clean, re-useable and eco-friendly
+ Easy handling
+ Adaptable to various clinical environments

Vacuum Cushions – Components

Rectangular – Indexed

The vacuum cushions are used for precise and reproducible molds of the patient´s contours and can be indexed.

ART.-NR.		
	P10104-164	BlueBAG Rectangular 820 x 1500 mm/40 L
	P10104-806	BlueBAG BodyFIX 14 Rectangular 700 x 1025 mm/30 L
	P10104-819	BlueBAG BodyFIX 14 Rectangular 700 x 1625 mm/45 L
	P10104-821	BlueBAG BodyFIX 14 Rectangular 700 x 2325 mm/65 L
	P10104-822	BlueBAG BodyFIX 14 Rectangular 750 x 1025 mm/35 L
	P10104-823	BlueBAG BodyFIX 14 Rectangular 700 x 1825 mm/50 L
	P10104-824	BlueBAG BodyFIX 14 Rectangular 850 x 1625 mm/58 L
	P10104-829	BlueBAG BodyFIX 14 Rectangular 950 x 1225 mm/45 L
	P10104-831	BlueBAG BodyFIX 14 Rectangular 850 x 1540 mm/53 L
	P10104-837	BlueBAG BodyFIX 14 Rectangular 850 x 1825 mm/75 L
	P10104-840	BlueBAG BodyFIX 14 Rectangular 900 x 2325 mm/117 L
	P10104-846	BlueBAG BodyFIX 14 Rectangular 700 x 2025 mm/60 L
	P10104-847	BlueBAG BodyFIX 14 Rectangular 850 x 2025 mm/80 L

T-Shape – Indexed

The vacuum cushions are used for precise and reproducible molds of the upper body contours and can be indexed.

ART.-NR.		
	P10104-836	BlueBAG BodyFIX 14 T-Shape 1130 x 1375 mm / 51 L
	P10104-839	BlueBAG BodyFIX 14 T-Shape 1280 x 1325 mm / 60 L

Pentagon and Hexagon-Shape – Indexed

The vacuum cushions are used for precise and reproducible molds of the patient´s contours and can be indexed.

ART.-NR.		
	P10104-820	BlueBAG BodyFIX 14 Pentagon 1050 x 1325 mm/45 L
	P10104-838	BlueBAG BodyFIX 14 Pentagon 1200 x 1325 mm/52 L
	P10107-860	VBAG Hexagon 820 (500) x 1500/40 L
	P10107-861	VBAG Hexagon small 700 (400) x 950/20 L

Vacuum Pumpe

Vacuum Pump for Vacuum cushions.

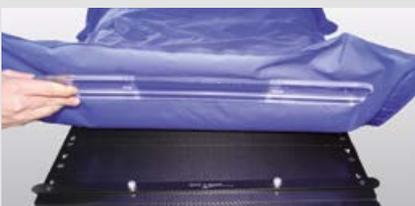| ART.-NR.		
	P10107-802	VBAG Vacuum Pump 230 V
	P10107-803	VBAG Vacuum Pump Set MI
	P10107-841	VBAG Vacuum Pump Set valve small
	P10107-842	VBAG Vacuum Pump Set valve large

Valve

Valve for the Vacuum Cushion hose.

ART.-NR.		
	P10107-843	VBAG Clamp MI (5 pcs)
	P10107-844	VBAG Valve Set small (5 pcs)
	P10107-845	VBAG Valve Set large (5 pcs)

Vacuum Cushions with indexing

Valve types

Valve Set Small

Valve Set Large

Vacuum Cushions – Components

www.it-v.net

Rectangular – Not Indexed

The vacuum cushions are used for precise and reproducible molds of the patient´s contours and cannot be indexed.

ART.-NR.		
	P10104-111	BlueBAG Rectangular 250 x 350 mm/2 L
	P10104-113	BlueBAG Rectangular 180 x 280 mm/0,9 L
	P10104-114	BlueBAG Rectangular 250 x 500 mm/2,25 L
	P10104-118	BlueBAG Rectangular 300 x 350 mm/4,5 L
	P10104-119	BlueBAG Rectangular 300 x 500 mm/3 L
	P10104-122	BlueBAG Rectangular 400 x 800 mm/15 L
	P10104-125	BlueBAG Rectangular 500 x 700 mm/15 L
	P10104-129	BlueBAG Rectangular 650 x 700 mm/20 L
	P10104-130	BlueBAG Rectangular 650 x 1000 mm/30 L
	P10104-132	BlueBAG Rectangular 650 x 1500 mm/75 L
	P10104-135	BlueBAG Rectangular 700 x 1000 mm/35 L
	P10104-137	BlueBAG Rectangular 1000 x 1000 mm/45 L
	P10104-139	BlueBAG Rectangular 850 x 1000 mm/30 L
	P10104-143	BlueBAG Rectangular 1000 x 1500 mm/80 L
	P10104-147	BlueBAG Rectangular 1000 x 2000 mm/120 L
	P10104-156	BlueBAG Rectangular 1000 x 1500 mm/30 L
	P10104-159	BlueBAG Rectangular 1000 x 2300 mm/80 L

T-Shape – Not Indexed

The vacuum cushions are used for precise and reproducible molds of the upper body contours and cannot be indexed.

ART.-NR.		
	P10104-501	BlueBAG T-Shape 650 x 650 mm/7 L
	P10104-505	BlueBAG T-Shape 1000 x 1300 mm/50 L
	P10104-511	BlueBAG T-Shape 1000 x 1300 mm/40 L

Pentagon-Shape – Not Indexed

The Pentagon shaped vacuum cushions are used for precise and reproducible molds of the patient´s upper body contours and cannot be indexed.

ART.-NR.		
	P10104-500	BlueBAG Pentagon-Shape 1000 x 1300 mm/45 L

BlueBAG Clamps

The BlueBAG Clamps locks the tube of the vacuum cushion. The enclosed gasket bolt locks the cushion permanently.

ART.-NR.		
	P10104-005	BlueBAG Clamp (set of 5)

BlueBAG Sealing Pin

The Sealing Pin is used to close the tube of the Vacuum Cushion.

ART.-NR.		
	P10104-168	BlueBAG Sealing Pin (set of 10)

BodyFIX Vacuum Pump P3

The BodyFIX Vacuum Pump P3 contains two independent high-performance pumps.

ART.-NR.		
	P10102-150	BodyFIX Vakuum Pumpe P3 230V

BlueBAG Tube P3

Tube between Vacuum Pump and Vacuum Cushion.

ART.-NR.		
	P10104-024	BlueBAG Tube P3

Tube Connector

The Tube Connector connects the tube of the Vacuum Pump with the Vacuum Cushion.

ART.-NR.		
	03-999-1253	Tube Connector 4 mm to 4 mm (set of 10)

TattooSTEP

The **TattooSTEP system** offers safe and precise skin marking of the radiation iso-center with distinctive spots. The quick and easy handling of the TattooSTEP System enables an accurate and efficient handling. The pigments are injected into the epidermis and guarantee a permanent marking.

WHY

TattooSTEP

+ No restrictions with personal hygiene and sports
+ High precision
+ Easy handling
+ Extremely light tool holder
+ Hygiene-module as a disposable for each patient
+ No danger of infection because of the long hygiene-modules

TattooSTEP – Components

TatooSTEP Starterset

TattooSTEP Starterset for 100 patients incl. Tool consists of:

Permanent Makeup Tool incl. Tool Holder
incl. 100 pcs 1er Hygienemodul
incl. 2 x Pigments for 100 patients
incl. Training Mat

ART.-NR.	TT 01	TatooSTEP Starterset

TattooSTEP Consumables

Consumables Set consists of:

incl. 100 pcs 1er Hygienemodul (E-0401)
incl. 2 x Pigments for 100 patients (TT SC301)

ART.-NR.	TT 02	TatooSTEP Consumables

TattooSTEP simple steps

Connect the hand tool, foot pedal and line adapter. Remove the sterile wrapping from the Hygienemodul.	Screw the Hygiene-modul tightly to the hand tool.	Choose the desired color.	Place a drop of the pigment in the designated indentation on the Hygienemodul and shake it to the needle head.	Trip the foot pedal and start tattooing.

Note

Note

Contact

IT-V Innovative Technologie Völp
Exlgasse 20 a
6020 Innsbruck
Österreich
T +43 664 411 33 24
F +43 512 27 75 77
@ office@it-v.net
w www.it-v.net

Service and Support International
Markus Völp
T +43 664 400 90 09
@ m.voelp@it-v.net

Service and Support International / Back Office
Elisabeth Entner
T +43 664 411 33 24
@ e.entner@it-v.net

Service and Support United Kingdom
Debbie Needle
T +44 791 464 76 08
@ vtimesuk@gmail.com

Service and Support Germany / France / CH
Boris Jäger
T +49 151 275 791 99
@ b.jaeger@it-v.net

Service and Support Germany / NL / UK
Kerstin Grings
T +49 172 29 83 887
@ k.grings@it-v.net

Service and Support Germany / CZ / SK
Anja Munk
T +49 172 617 85 12
@ a.munk@it-v.net

eine-augenweide.com

IT V
Innovative Technologie Völp

V3