SBRT: Body Pro-Lok ONE™

Instructional Video YouTube

Technical Data Sheets

OneBridge™

OnePlatform™

SBRT Patient Positioning + Immobilization Solutions

for improved patient outcomes + clinical efficiencies

Body Pro-Lok ONE™

CIVCO®
Radiotherapy
a better way

Body Pro-Lok ONE™: Customizable, Efficient, Reproducible

The Body Pro-Lok ONE System provides one simple solution for complex SBRT patient setups. This system features the ONEBridge, with unique design features allowing for improved patient positioning and compression plate restriction.

Customizable & Efficient

- Provides total body immobilization for hypo-fractionation treatments
- Kevlar ONEPlatform™ provides seamless setup of patient from MR imaging/simulation to the Linac unit
- Customized setups meet the patient's needs, including two options for reducing respiratory motion

Reproducible

- Components are indexable, allowing you to reproduce the same setup from day to day
- Immobilization above and below the patient are reproducible following published guidelines
- Setup sheet simplifies daily record keeping

Support for SBRT & Body Pro-Lok ONE™

Fifty percent of lung tumors move >5 mm during treatment and unfixed tumors in the lower lobe can easily move >10 mm. This motion is not one-dimensional.[1]

"4DCT generated target MIP images may not adequately capture the entire target motion span, which can result in dosimetric inaccuracy in SBRT lung treatments...Targeting is more accurate when abdominal compression is used to reduce motion, compared with even sophisticated free breathing approaches." [2]

1 http://www.ncbi.nlm.nih.gov/pubmed/14752729

2 Huang L, Park K, Boike T, Lee P, Papiez L, Solberg T, Ding C, Timmerman RD. "A Study on the Dosimetric Accuracy of Treatment Planning for Stereotactic Body Radiation Therapy of Lung cancer using Average and Maximum Intensity Projection Images." Radiotherapy and Oncology: Journal of the European Society for Therapeutic Radiology and Oncology. 2010 April 27.

Improved Patient Positioning and Respiratory Restriction

The Body Pro-Lok ONEBridge is the only bridge on the market that features variable height adjustment along with lateral and tilting offset for varying body types. Two plate options are available for assisting in restricting respiratory movement: the Standard Respiratory Plate, or a Wide Respiratory Plate which can be coupled with a ComfortCare Cushion for additional customized comfort. A Respiratory Belt option is also available.

ONEBridge™

- Variable height adjustment with just one bridge
- Lateral offset ability allows the bridge and plate to adapt to the patient's natural posture and body type
- Tilting offset ability allows optimal patient positioning for enhanced gantry clearance
- Advanced latch engineered to release in less than three seconds for patient safety

Respiratory Plate & Respiratory Belt

- Respiratory Plates place pressure at the level of the diaphragm to assist in restricting respiratory movement.
- Respiratory Belts provide pneumatic compression and immobilization to the abdominal region for SBRT treatments.

Wide Respiratory Plate with ComfortCare™ Cushion

- Wide Plate helps diffuse pressure across the abdominal region, resulting in a more comfortable compression for the patient
- ComfortCare Cushions, featuring innovative and patented technology by Pearl Technology AG, provides a new dimension of customized comfort at a reproducible pressure level.

pearltec

Standard Respiratory Plate

ONE Respiratory Belt

Wide Respiratory Plate with ComfortCare Cushion

Body Pro-Lok ONE™ on Universal Couchop™

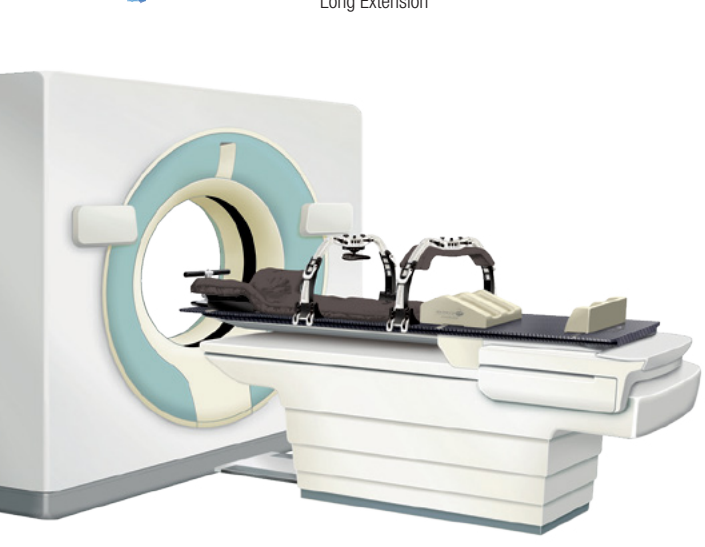
Seamless Integration

- Body Pro-Lok ONE positioning devices natively connect to CIVCO's Universal Couchtop, allowing customized setups with bridges that secure directly to couchtop.
- CIVCO's Universal Couchtop is available for Linac and CT, providing an environment in simulation that is reproducible and dosimetrically matched in treatment.

No Dosimetric Compromises

- CIVCO's Universal Couchtop is a strong, lightweight couchtop that offers DoseMatch™ Technology which reduces your chance of setup errors by creating safe and efficient treatment planning and imaging.
- Seven extensions, all Body Pro-Lok ONE™ enabled, are available to treat without using dose-attenuating overlays or support rails.

Universal Couchtop™
Long Extension



> "We have become a referral center for SBRT patients and have employed CIVCO's Body Pro-Lok system for several years. It is my opinion that reproducible immobilization and abdominal compression is vital to assist in accurate targeting of lung cancers and other localized tumors. We recently upgraded our Body Pro-Lok system to the new Body Pro-Lok ONE and added a second complete system. We find it to be more flexible and efficient, especially with larger patients, without sacrificing the precision I demand."
>
> **Ronald C. McGarry, M.D., Ph.D. University of Kentucky, Lexington, Kentucky**

Comprehensive Accessory Package for UCT

ONEBridge™	Qty 2
ONEBridge Storage Base	2
Body Pro-Lok ONE Respiratory Belt	1
Standard Respiratory Plate	1
Clam-Lok™ Cushion	2
Kneefix™ 3 Cushion	1
Feetfix™ 3 Cushion	1
	BPLONEUPG3

MR Solutions

MRSeries™

ONEPlatform™

- The ONEPlatform™ (made of Kevlar) provides a MR Safe base for Body Pro-Lok ONE™ and many accessories. Always refer to product labeling to identify whether a device is MR Safe or MR Conditional.
- Universal Couchtop™ profile and indexing options provide for seamless integration of CIVCO's positioning devices
- Indexing holes and Transverse Lok-Bar™ allow lateral offset of platform for optimal clearance
- Kevlar material is MR Safe
- Lightweight and 72" long

See CIVCO's MRSeries and ProtonSeries Brochures for additional information on these product offerings.

ONEPlatform Packages

	One	Two
ONEPlatform w/ four 3-pin Lok-Bars	Qty 1	Qty 1
ONEBridge	1	2
ONEBridge Storage Base	1	2
Body Pro-Lok ONE Respiratory Belt	1	1
Standard Respiratory Plate	1	1
Clam-Lok Cushion	1	2
Kneefix 3 Cushion	1	1
Feetfix 3 Cushion	1	1
	BPL100	BPL110

Proton Solutions

ProtonSeries™

Body Pro-Lok ONE Respiratory Belt

- Provides pneumatic compression and immobilization to the abdominal region
- Attaches directly to the Universal Couchtop

For a full list of compatible accessories, see CIVCO's Solutions Guide catalog or visit www.CivcoRT.com!

Additional Body Pro-Lok ONE™ Integration

Additional solutions are available to accommodate the use of Body Pro-Lok ONE accessories when Universal Couchtop™ is not available and avoidance of an overlay or platform is preferred.

Elekta iBEAM® evo Couchtop

- Provides direct attachment of the ONEBridge™ and ONE Respiratory Belt to iBEAM evo Couchtop
- Allows Body Pro-Lok ONE to be utilized with Elekta HexaPOD™ and iGUIDE Reference Frame
- Allows for 1 cm indexing of the ONEBridge and ONE Respiratory Belt to the couchtop

Shown attached to iBEAM evo couchtop with adapter and 1 cm indexing capability

Bridge attachment with adapter

Belt attachment with adapter

evo Adapter ONEPlatform™ Packages

	One	Two
ONEPlatform w/ four 3-pin Lok-Bars™	Qty 1	Qty 1
ONEBridge	1	2
ONEBridge Storage Base	1	2
Body Pro-Lok ONE Respiratory Belt	1	1
Standard Respiratory Plate	1	1
Clam-Lok™ Cushion	1	2
Kneefix 3™ Cushion	1	1
Feetfix 3™ Cushion	1	1
Body Pro-Lok ONE evo Adapter	1 Pair	2 Pair
	BPL200	BPL210

evo Adapter Comprehensive Accessory Package

ONEBridge	Qty 2
ONEBridge Storage Base	2
Body Pro-Lok ONE Respiratory Belt	1
Standard Respiratory Plate	1
Clam-Lok Cushion	2
Kneefix 3 Cushion	1
Feetfix 3 Cushion	1
Monarch™ Overhead Arm Positioner	1
T-Shape Vac-Lok™	1
Body Pro-Lok ONE evo Adapter	2 Pair
	BPL230

System Customization

ONEBridge™
Unique design features allow for improved patient positioning and compression plate restriction.

ONE Respiratory Belt
Provides pneumatic compression and immobilization to the abdominal region.

Wide Respiratory Plate with ComfortCare™ Cushion
Helps diffuse pressure across the abdominal region, resulting in a more comfortable compression for the patient.

Standard Respiratory Plate
Places pressure at the level of the diaphragm to assist in restricting respiratory movement.

Clam-Lok™ Cushion
Attaches to the ONEBridge and forms to comfortably enhance immobilization from above.

ONEPlatform™
MR Safe platform with Universal Couchtop™ profile and indexing options provides seamless integration of positioning devices.

Body Pro-Lok ONE™ evo Adapter
Allows for 1 cm indexing of the ONEBridge and ONE Respiratory Belt to iBEAM® evo Couchtops.

T-Shape Vac-Lok™
Provides arms-up positioning while cradling the torso region. May be used with the Monarch Overhead Arm Positioner or a Wing Board™.

Monarch™ Overhead Arm Positioner
Dual function hand grips allow for natural flexion of the patient's wrists while providing increased positioning options for the clinician.

Patient Handles
Patient handles provide a stable place for immobilized patients to place their hands.

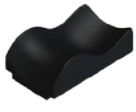
Kneefix™ 3 & Feetfix™ 3 Cushions
Contributes to better stability and reproducibility in the supine position.

Lok-Bars
Lok-Bars allow indexing of positioning devices to the couchtop or ONEPlatform.

ONEBridge Storage Base
Designed to sit on a countertop or cart and holds the ONEBridge in an upright position.

Extended Wingboard
Can be used with a T- or U-Grip handle and is indexable for enhanced reproducibility from imaging through treatment.

Headrests
Headrests provide enhanced repositioning, accuracy and patient comfort.



For a full list of compatible accessories, see CIVCO's Solutions Guide catalog or visit www.CivcoRT.com!

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