

SBRT Patient Positioning + Immobilization Solutions

for improved patient outcomes + clinical efficiencies

 Body Pro-Lok ONE™  Body Pro-Lok™



CIVCO[®]
Radiotherapy
a better way

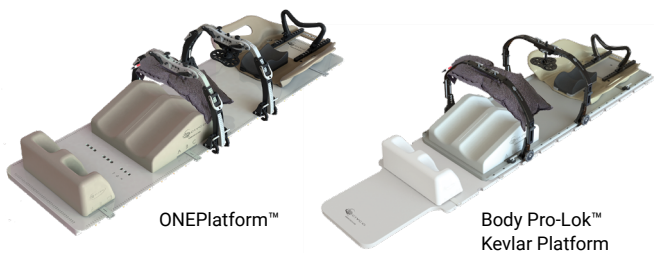
Customizable, Efficient, Reproducible

Customizable & Efficient

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

MR Series™

Platforms made of Kevlar provide a MR Safe base for all Body Pro-Lok bridges and many accessories. Always refer to product labeling to identify whether a device is MR Safe or MR Conditional.



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



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, USA



Respiratory Restriction

- 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.
- ONE Respiratory Belt may be used during Proton Therapy.



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, provide a new dimension of customized comfort at a reproducible pressure level.



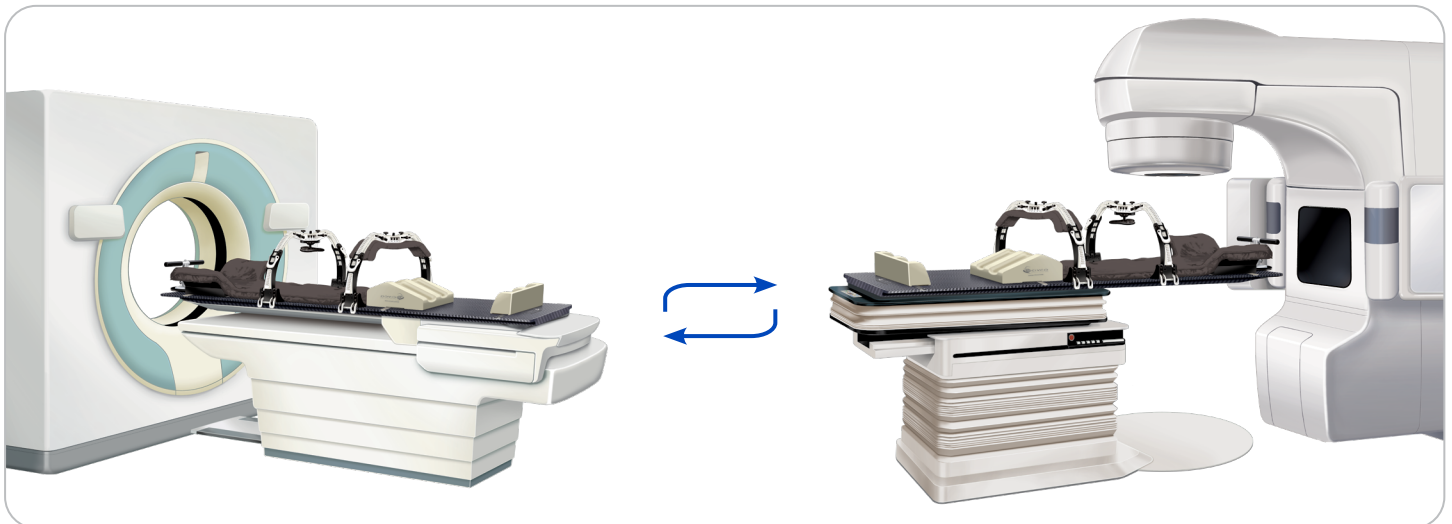
Body Pro-Lok ONE™ and Body Pro-Lok™ on Universal Couchtop™

Seamless Integration

- Body Pro-Lok ONE and Body Pro-Lok 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™ enabled, are available to treat without using dose-attenuating overlays or support rails.



Accessory Packages

Comprehensive Body Pro-Lok ONE ONEBridge (x2), ONEBridge Storage Base (x2), Body Pro-Lok ONE Respiratory Belt, Standard Respiratory Plate, Clam-Lok™ Cushion (x2), Kneefix™ 3 Cushion, Feetfix™ 3 Cushion

BPLONEUPG3



Wide Respiratory Plate
with ComfortCare™ Cushion



Standard Respiratory Plate



ONE Respiratory Belt

Body Pro-Lok ONE™

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.

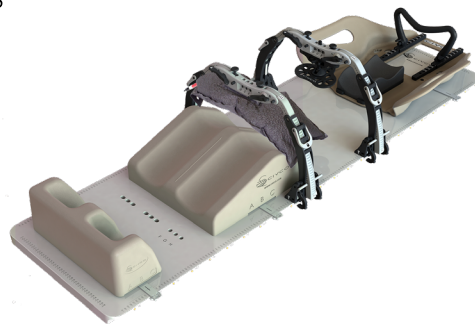
ONEBridge™

- 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

ONEPlatform™

- 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 158 cm long

 **MRSeries™**



ONEPlatform Platinum Package ONEPlatform w/ four 3-pin Lok-Bars, ONEBridge (x2), ONEBridge Storage Base (x2), Body Pro-Lok ONE Respiratory Belt, Wide Respiratory Plate w/ ComfortCare Cushion (x3) and Hand Pump,, Clam-Lok Cushion (x2), Kneefix 3 Cushion, Feetfix™ 3 Cushion

BPL110

ONEPlatform Gold Package ONEPlatform w/ four 3-pin Lok-Bars, ONEBridge, ONEBridge Storage Base, Body Pro-Lok ONE Respiratory Belt, Wide Respiratory Plate w/ ComfortCare Cushion (x3) and Hand Pump,, Clam-Lok™ Cushion (x2), Kneefix™ 3 Cushion

BPL100

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 >10mm. 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.

Body Pro-Lok™

The Body Pro-Lok System provides an easy-to-use modular system for complex SBRT patient setups. These modular components are indexable to allow for same setup day to day, including bridges, respiratory plate and respiratory belt options to help control patient breathing.

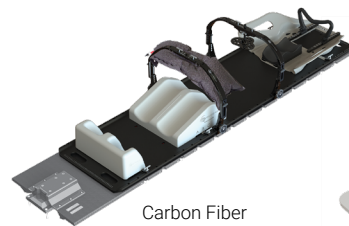
Body Pro-Lok Bridges

- Three bridge options accommodate different patient sizes and provide immobilization from above.



Carbon Fiber or Kevlar Platform

- Provides seamless setup of patient from imaging/simulation to the Linac unit
- Compatible with existing CIVCO positioning equipment via standard two-pin (Carbon Fiber) and three-pin (Kevlar) indexing
- Provides low attenuation with homogeneous design for planning consistency



Carbon Fiber



Kevlar

 MRSeries™

Lite Platform Package Platform, Type 1B Bridge (x2), Type 2 Bridge (x2), Type 3 Bridge, T-Pin Lok-Bar (x4), Clam-Lok™ Cushion

MTSBRT001L (Carbon Fiber)

Ultra-Lite Platform Package Platform (choose Carbon Fiber or Kevlar), Type 1B Bridge, Type 2 Bridge, Standard Respiratory Plate, Respiratory Belt, T-Pin Lok-Bar (x4), Clam-Lok Cushion (x2), Kneefix™ 2 Cushion

MTSBRT320 (Carbon Fiber)

MTSBRT420K (Kevlar)

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



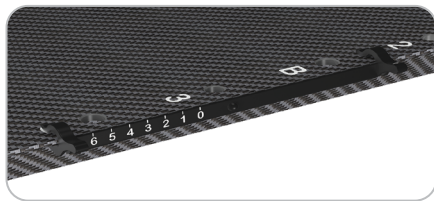
Additional Body Pro-Lok ONE™ Integration



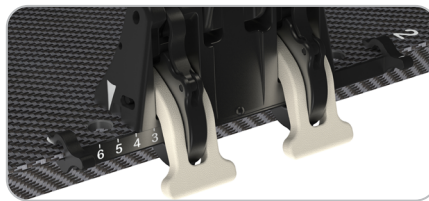
Multiple solutions are available to accommodate the use of Body Pro-Lok ONE and Body Pro-Lok Bridges and accessories when Universal Couchtop™ is not available and avoidance of an overlay or platform is preferred.

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 Package One ONEPlatform w/ four 3-pin Lok-Bars™, ONEBridge, ONEBridge Storage Base, Body Pro-Lok ONE Respiratory Belt, Wide Respiratory Plate w/ ComfortCare Cushion (x3) and Hand Pump, Clam-Lok™ Cushion (x2), Kneefix™ 3 Cushion, Body Pro-Lok ONE Evo Adapters	BPL200
evo Adapter ONEPlatform Package Two ONEPlatform w/ four 3-pin Lok-Bars™, ONEBridge (x2), ONEBridge Storage Base (x2), Body Pro-Lok ONE Respiratory Belt, Wide Respiratory Plate w/ ComfortCare Cushion (x3) and Hand Pump, Clam-Lok™ Cushion (x2), Kneefix™ 3 Cushion, Feetfix™ 3 Cushion, Body Pro-Lok ONE Evo Adapters (x2)	BPL210
evo Adapter Comprehensive Accessory Package ONEBridge (x2), ONEBridge Storage Base (x2), Body Pro-Lok ONE Respiratory Belt, Wide Respiratory Plate w/ ComfortCare Cushion (x3) and Hand Pump, Clam-Lok Cushion (x2), Kneefix 3 Cushion, Feetfix 3 Cushion, Monarch™ Overhead Arm Positioner, T-Shape Vac-Lok™, Body Pro-Lok ONE evo Adapters (x2)	BPL230

ONE Rails-Only for Varian Exact® IGRT Couchtop and CT Overlays

- Allows Body Pro-Lok ONE to be utilized on Varian Exact IGRT Couchtops and CT Overlays
- Allows 1 cm indexing of the ONEBridge and ONE Respiratory Belt
- Creates a 50 mm raised Universal Couchtop edge profile for attaching Body Pro-Lok ONE accessories
- Securely attaches to the couchtop by four dual-purpose lateral clamps



ONE Rails-Only



ONE Rails-Only with ONEBridge



ONE Rails-Only with Respiratory Belt

Accessory Package ONEBridge, ONEBridge Storage Base, Body Pro-Lok ONE Respiratory Belt, Standard Respiratory Plate, BPL ONE/Exact IGRT Rails-Only	BPL300
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Additional Body Pro-Lok™ Integration



Rails-Only for 53 cm Varian Exact®

- Provides full compatibility of Body Pro-Lok Bridges and accessories
- Integrated Lok-Bars™ provide additional stability
- Rails-Only T-Pin Lok-Bars provide compatibility with two-pin indexable products
- Exact indexing version features toggle and clamp design providing secure attachment



Rails-Only patient setup



Rails-Only with Bridge and Respiratory Plate



Rails-Only

Respiratory Restriction Package Type 1B Bridge, Type 2 Bridge, Standard Respiratory Plate, Respiratory Belt

MTSBRT350

System Customization Part Number Index

53 cm - Exact/IGRT, BPL Rails-Only	MTSBRT060	ONEPlatform™	BPL003
53 cm - Exact/IGRT, BPL ONE Rails-Only	BPL020	ONE Respiratory Belt	BPL026
Adapters, Type 2 & 3 Bridge Adapter, Qty 2	MTIL6615	Patient Handle - Right BPL ONE, UCT	MTIL662501
Adapters, Type 2B Bridge & Shoulder Restraint Bridge 2 Adapter, Qty 2	MTIL6616	Patient Handle - Left BPL ONE, UCT	MTIL662502
Adapters, Respiratory Belt Adapter, Qty 2	MTIL6620	Patient Handle - Right BPL	MTSBRT005
Body Pro-Lok Bridge - Type 1B (small)	MTSBRT039	Patient Handle - Left BPL	MTSBRT0051
Body Pro-Lok Bridge - Type 2 (medium)	MTSBRT007	Prodigy-2 Lok-Bar™	MTIL6050
Body Pro-Lok Bridge - Type 3 (large)	MTSBRT031	Respiratory Belt, BPL	MTSBRT015
Carbon Fiber Platform, BPL	MTSBRT002	Respiratory Plate	MTSBRT003
Clam-Lok™ Cushion	MTSBRT202	Respiratory Plate - Wide	BPL008
ComfortCare™ Cushions, Qty 3	BPL007	Shoulder Restraint Bridge 2	MTSBRT038
ComfortCare Cushion Starter Kit (Wide Plate, 3 Cushions, Hand Pump)	BPL120	Slide Guide Lok-Bar	MTVL00853
Feetfix™ 3 Cushion	301071	Storage Cart	MTSBRT203
Feetfix 3 Elevation Blocks	301055	Storage Wall Unit	MTSBRT224
Forehead Restraint	MTSBRT018	T-Pin Lok-Bar, BPL (Two Pin)	MTSBRT009
Kevlar Platform, BPL	MTSBRT070	T-Pin Lok-Bar, Rails-Only (Two Pin)	MTSBRT055
Kneefix™ 3 Cushion	301052	T-Pin Lok-Bar, Rails-Only (Three Pin)	MTSBRT054
Monarch™ Overhead Arm Positioner	OAP110	T-Shape Vac-Lok™	MTVL0017
ONEBridge™	BPL001	Three-Pin Lok-Bar, BPL ONE	MTIL6054
ONEBridge Storage Base	BPL005	Transverse Lok-Bar, BPL ONE	MTIL6051

See CIVCO's Solutions Guide catalog or visit www.CivcoRT.com to confirm system compatibility.



CIVCO

Radiotherapy



Global Sales Office
1401 8th Street SE
Orange City, IA 51041
800.842.8688 | +1 712.737.8688
info@CivcoRT.com | www.CivcoRT.com