

# QUICKLINK® Delivery System

## MANUAL RADIONUCLIDE APPLICATOR SYSTEM

Model #: 70310QCA1

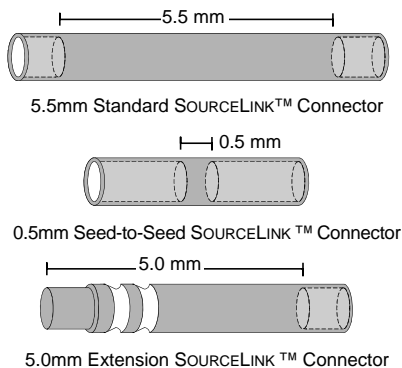


Manufacturer  
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### PHYSICAL CHARACTERISTICS

The QUICKLINK® Delivery System is designed to assemble brachytherapy seeds, SOURCELINK™ synthetic spacers, and SOURCELINK™ Connectors in cartridges into seed trains of variable lengths and with variable seed-to-seed spacing as predetermined by the physician. The QUICKLINK® Loader is composed of stainless steel, GE Ultem® 1000 plastic, and shielding glass.

SOURCELINK™ Connectors and SOURCELINK™ Spacers are synthetic absorbable monofilament seeding spacers that are designed to be assembled with brachytherapy seeds into seed trains of variable lengths and with seed-to-seed spacing as predetermined by the physician [Figure 1]. They are composed of a 70% L-lactide and 30% D,L-lactide copolymer. SOURCELINK™ Connectors are approximately 0.9mm in diameter and come in various sizes to provide accurate spacing of seeds in 0.5cm center-to-center increments.



[FIGURE 1]

SOURCELINK™ Connector spacers are approximately 0.8mm in diameter and are available in lengths of 5.0 and 5.5mm.

Information regarding the specific brachytherapy seed used may be found in the accompanying seed Instructions for Use.

### IN-VIVO CHARACTERISTICS

As body fluids initially come into contact with the SOURCELINK™ Connectors and SOURCELINK™ Spacers, they chemically react with the polymer to break the polymer chains through hydrolysis. The material is then metabolized.<sup>1,2,3</sup>

### INDICATIONS

The QUICKLINK® Delivery System is indicated for use with SOURCELINK™ Connectors, spacers and brachytherapy seeds in the assembly of seed trains of variable lengths and predetermined spacing between the seeds for use in brachytherapy procedures. SOURCELINK™ Connectors are indicated for use in seed spacing and linking in brachytherapy procedures. The SOURCELINK™ Connector spacer is used in seed approximation in brachytherapy procedures.

### CONTRAINDICATIONS

SOURCELINK™ Connectors and SOURCELINK™ Spacers, being absorbable, should not be used where permanent spacing or linking is required.

### ADVERSE REACTIONS

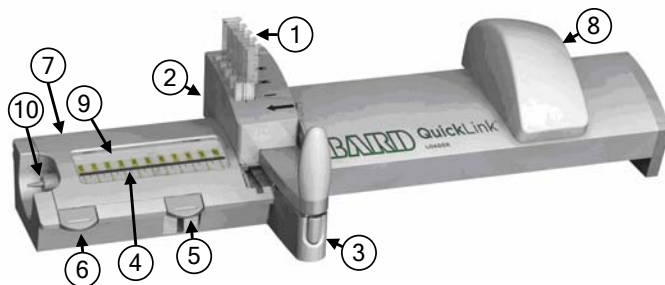
Adverse side effects associated with the use of SOURCELINK™ Connectors and SOURCELINK™ Spacers include: minimal acute inflammatory tissue reaction, calculus formation in urinary and biliary tracts in the event of prolonged contact with salt solutions such as urine and bile, and transitory local irritation.

### HOW SUPPLIED

The QUICKLINK® Delivery System loaded cartridges and components are supplied sterile. The cartridges are indicated for single use only. The QUICKLINK® Delivery System Loader is supplied non-sterile and must be sterilized in an autoclave before use.

### FEATURES

The QUICKLINK® Delivery System comes equipped with the following features [Figure 2]:



[FIGURE 2]

#### QUICKLINK® Cartridges ①

The QUICKLINK® cartridges are constructed of radiation-resistant polycarbonate, and hold a maximum of 20 components. The cartridges are marked with a descriptive icon and scale to indicate the identity and approximate quantity of the contained component, as well as provide a visual key for insertion into the loader carriage.

#### Carriage ②

The carriage is designed to hold the QUICKLINK® cartridges containing seeds, spacers, and SOURCELINK™ Connectors. Each slot in the carriage is keyed to a specific cartridge to prevent mix-ups. The carriage may be moved front to back to align the desired component cartridge with the dispensing indicator, or to allow compression and ejection of a seed train. The carriage is also equipped with a quick-release ③ button to allow for carriage removal and inspection.

#### Assembly Base and Ruler ④

The assembly base is designed to provide a track for the compression of the seeds and SOURCELINK™ Connectors. The ruler provides a means for verifying that the desired train configuration is obtained prior to delivery into the needle.

#### Dispense Button ⑤

The dispense button transfers one component from the indicated cartridge to the assembly track when pressed.

#### Lead Glass Door ⑦

This shielding door is designed to provide radiation protection for the user while allowing for visual inspection of the seed train in the assembly track. The door is automatically latched closed, and may be opened by pressing the door release button on the rear of the assembly base. ⑦

#### Compression Slide Handle ⑧

The compression slide is designed to deliver the necessary stylet force for compression of the seeds and the SOURCELINK™ Connectors into a seed train. The compression slide is factory adjusted to ensure that the proper compressive force is delivered every time. The compression slide is fitted with two support doors to minimize buckling of the stylet during compression.

#### Gate Button ⑥

The gate button is designed to control the gate at the end of the assembly track which is the base for compression of SOURCELINK™ Connectors and seeds. The gate will be closed in normal (up) position to allow for compression. When depressed, the gate will open and allow the seed train to be dispensed through the needle adapter.

#### Needle Adapter ⑩

Stainless steel adapters are provided for the attachment of implant needles to the QUICKLINK® Delivery System. They are designed in 4 different styles to fit all commercially available implant needles.

#### Removable Stylet

The stylet is designed to compress the seeds and SOURCELINK™ Connectors into a seed train and has been equipped with a luer-lock fitting for quick and easy replacement.

### WARNINGS AND PRECAUTIONS

#### Warning: Potential calculus formation with absorbable materials

As with any foreign body, prolonged contact of synthetic absorbable material, including SOURCELINK™ Connectors and SOURCELINK™ Spacers, with salt solutions, such as those found in the biliary or urinary tracts, may result in calculus formation.

#### Warning: Potential biohazard

After use, the QUICKLINK® Delivery System components may become biohazardous. Handle per accepted medical practice and within applicable laws and regulations. The QUICKLINK® Delivery System loader is reusable, and the loader components must be thoroughly cleaned and sterilized prior to use and between uses.

#### Warning: Radioactive materials / Lead components

The QUICKLINK® Delivery System components and the contained brachytherapy seeds should be used only by physicians who are qualified by training and experience in the safe use and handling of radionuclide brachytherapy sources and whose training and experience have been approved by the appropriate authorities authorized to license the use of radioactive materials. Use appropriate radiation safety protection practices when working with the QUICKLINK® Delivery System components that contain radioactive materials. Initiate radiation surveys on the QUICKLINK® Delivery System components at the completion of the brachytherapy

procedure to ensure complete removal of radioactive materials. The shielding glass contains lead, and must be disposed of according to local regulations.

**Caution: Storage requirements are temperature dependent**

Extra care should be taken to avoid exposing the QUICKLINK® cartridges containing bioabsorbable SOURCELINK™ components to excessive heat or moisture. Store unopened packages at room temperature. Discard open, unused cartridges, SOURCELINK™ Connectors, and SOURCELINK™ Spacers.

Do not store bioabsorbable components at temperatures that exceed 40°C.

**Caution: Elevated temperatures following loader steam sterilization**

After sterilization, allow the QUICKLINK® Delivery System loader components to cool to room temperature prior to use.

**Caution: Avoid damaging the system or using damaged materials**

- Never use visibly damaged, bent or broken QUICKLINK® Delivery System loaders, cartridges or components. This may cause system damage or jamming.
- Do not force cartridges into the carriage slots. The slots are keyed to accept the appropriate cartridges, and minimal effort is required to properly seat the cartridges.
- When handling this or any other synthetic absorbable material, care should be taken to prevent any damage to the material. Avoid crushing or crimping damage to the cup ends caused by the application of forceps or tweezers.
- Ensure the needle adapter and stylet are finger-tight. Do not make any other adjustments to the QUICKLINK® Delivery System.
- Do not tamper with the mechanisms that reside beneath the carriage when removing the carriage from the loader. These components are aligned to rigid specifications, and must be handled carefully to maintain proper loader functionality.
- In the event the QUICKLINK® Loader or cartridges become inoperable due to damage or malfunction, any or all components may be removed from the cartridges and implanted manually.
- Do not adjust the indicator in the cartridge when the cartridge is loaded. The indicator provides a spring bias to the components to allow for dispensing in the loader, and lifting the indicator and allowing it to snap closed can damage the components and cartridge.
- Do not re-sterilize SOURCELINK™ Connectors or SOURCELINK™ Spacers either loose or in cartridges. The components are supplied sterile and indicated for single use. If desired, radioactive seeds may be removed from a cartridge and re-sterilized. Do not re-sterilize QUICKLINK® cartridges.

**Caution: Limitations on use**

The QUICKLINK® Delivery System is prescription use only. Users should be familiar with procedures and techniques involving absorbable spacers and seed train products before using the SOURCELINK™ Connectors. SOURCELINK™ Connectors are designed to provide accurate spacing in increments of 0.5cm with typical 4.5mm brachytherapy sources. Use of SOURCELINK™ Connectors with brachytherapy sources of other lengths will result in atypical spacing.

**Caution: Key points for use of the QUICKLINK® Delivery System**

- Ensure that the compression handle is fully seated to the compression slide before assembling a seed train.
- The gate button must remain depressed until the seed train is completely dispensed from the loader and the stylet is retracted.
- Ensure the lead glass door is closed prior to assembling or dispensing seed trains.

**DIRECTIONS FOR USE**

1. Remove the protective tab from the bottom of the QUICKLINK® cartridge prior to use by grasping the cartridge by the cartridge body and pulling the tab out of the side of the cartridge. To prevent inadvertent dispensing of a component, do not hold the cartridge body by the green plunger when removing the tab.
2. Insert the cartridges containing seeds, SOURCELINK™ Connectors, and SOURCELINK™ Spacers into the carriage. Ensure that the cartridges are fully seated in the carriage receptacle. The carriage and cartridges are marked as follows to indicate the correct placement of cartridges as well as the current selection:



Radioactive implant seed QUICKLINK® Cartridge  
 5.5mm Standard SOURCELINK™ Cartridge  
 5.0mm Extension SOURCELINK™ Cartridge  
 0.5mm Seed-to-Seed SOURCELINK™ Cartridge  
 SOURCELINK™ Spacer Cartridge

3. Retract the compression slide handle to the right until it contacts the rear plate to seat the slide compression mechanism (if unseated).
4. Attach the implant needle to the QUICKLINK® Delivery System by pushing the needle hub firmly onto the needle adapter.
5. Move the carriage to select which item to dispense by aligning the indicator with the symbol indicating the desired item.

**Note:** The position of the Extension SOURCELINK™ Connector in the cartridge is accurately represented by the icon. Therefore, when spacing at either end

of a seed train is desired, an Extension SOURCELINK™ Connector may only be used at the leading end of the train. Spacing at the trailing end of the train must be provided by one or more spacers.

6. Push the dispense button to dispense and move the selected item into the assembly track.
  - Note:** During normal operation, the dispense button will return to the “up” position after a component is dispensed. If a cartridge is empty, the button will come to a stop before it reaches the bottom of its range of motion. Further pressing will cause the button to release from its internal mechanism to prevent damage to the cartridge. The button may be lifted to the “up” position to reset it to the internal mechanism, and the empty cartridge may be removed and replaced.
  - Note:** The dispense mechanism is designed to completely dispense a single component once depressed. The button must be pressed through its complete range of motion – if the button is only pressed partially down, it will remain in the midrange position and prevent carriage motion or further dispensing. Complete the compression of the button to dispense the selected component and release the carriage for further dispensing.
7. Repeat items 4-5 until all items necessary to build the predetermined seed train have been dispensed.
8. Visually inspect the dispensed components, if desired, through the lead glass door prior to assembly of the seed train. Incorrect components can be removed as necessary by opening the lead glass door to access the assembly track.
  - Note:** If desired, the carriage mechanism may be removed from the loader to inspect the area beneath the carriage. To remove the carriage, depress the carriage release button while lifting the carriage upward. To replace, align the two latch prongs on the underside of the carriage with the corresponding receptacles in the loader and snap the carriage into place.
9. Move the carriage to the arrow symbol indicating that the QUICKLINK® Delivery System is ready to either compress or dispense a seed train.
10. Move the handle on the releasable slide left towards the carriage to compress the seed train. Continue motion in this direction until the slide handle releases and comes to a full stop.
11. Retract the slide to the right until it contacts the rear plate to seat the slide compression mechanism.
12. The assembled seed train may be inspected through the lead glass door, and proper seed spacing confirmed using the assembly base ruler.
13. Move the handle on the releasable slide left again towards the carriage while holding the gate button down in order to dispense the seed train through the needle adapter.
14. Retract the handle of the releasable slide fully to the right.
15. Remove the loaded implant needle by pulling the needle hub away from the needle adapter.

**TROUBLESHOOTING**

<b>Condition: SOURCELINK™ Connectors not connected after compression</b>
<ul style="list-style-type: none"> <li>• Ensure compression slide has been fully reset before compression;</li> <li>• Stylet bent – replace;</li> <li>• The seed train is incorrectly built consisting of either two female or two male ends placed adjacent to each other;</li> <li>• Ensure the SOURCELINK™ Connector material is not damaged preventing compression.</li> </ul>
<b>Condition: SOURCELINK™ Connectors are ejected from the loader during compression</b>
<ul style="list-style-type: none"> <li>• Ensure the lead glass cover is securely closed;</li> <li>• Do not press the gate button during compression, allowing ejection of unlinked components through the needle adapter.</li> </ul>
<b>Condition: Pushing the dispense button does not eject any items or produces a partial dispense</b>
<ul style="list-style-type: none"> <li>• Ensure that the handle is not being pulled while the dispense button is being depressed. Pulling on the handle during dispensing can cause the cartridge to become misaligned with the dispense track, resulting in a lock out or a jam;</li> <li>• Ensure the selected cartridge is fully seated in the corresponding carriage receptacle;</li> <li>• Remove cartridge from carriage and reinsert back into the carriage;</li> <li>• Ensure the dispense blade is not jammed - remove the carriage and inspect dispense blade, verify there are no loose components;</li> <li>• The selected cartridge is empty - replace with a full cartridge;</li> <li>• The dispense button is not fully depressed - press button fully;</li> <li>• If cartridge does not dispense following troubleshooting, replace cartridge.</li> </ul>
<b>Condition: The assembled seed train cannot be loaded into the attached implant needle</b>
<ul style="list-style-type: none"> <li>• Ensure that you hold the gate button down while sliding the releasable slide.</li> <li>• Ensure the seed train has been properly built and does not include damaged components</li> </ul>
<b>Condition: Implant needle does not stay attached to the needle adapter</b>
<ul style="list-style-type: none"> <li>• Ensure needle adapter is appropriate for the implant needle used.</li> </ul>
<b>Condition: Completed seed train does not load smoothly into the attached implant needle.</b>
<ul style="list-style-type: none"> <li>• Ensure needle adapter is appropriate for the implant needle used.</li> </ul>

**QUICKLINK® LOADER CLEANING, LUBRICATION AND STERILIZATION**

**Note:** Limitations on processing – Repeated cleaning and steam sterilization has minimal effect on the QUICKLINK® Loader. The QUICKLINK® Loader should be inspected for damage prior to use and replaced or repaired as necessary.

**Manual Cleaning:**

1. Point of Use - No particular requirements.
2. Containment and Transportation - No particular requirements.
3. Instrument Preparation - Remove the stylet and carriage from the QUICKLINK® loader. Open the lead glass door, and ensure that it remains open throughout the cleaning procedure. Remove any QUICKLINK® cartridges, loose seeds, spacers and SOURCELINK™ components.

**Note: If loose seeds are found, immediately contact Radiation Safety for safe handling and disposal of the seeds.**

4. Initial Rinse - Rinse the loader and accessories thoroughly with cool (25°C) tap water. Remove any excess soil by brushing with a soft bristle brush. Ensure all hard to reach areas are flushed.
5. Enzymatic Presoak - Prepare enough multi-tiered enzymatic cleaner solution (Ruhof Endozime® AW Plus or equivalent), following the manufacturer's instructions, to completely wet the QUICKLINK® loader and accessories. Thoroughly wet the loader and accessories with enzymatic cleaning solution and allow them to soak for a minimum of 5 minutes. Actuate the loader while in the cleaning solution to ensure the cleaning solution reaches the hard-to-reach areas.
6. Cleaning - Using a soft bristle brush, brush all accessible areas of the loader and accessories for a minimum of one minute to remove visible evidence of debris or soil. Actuate the loader while brushing to ensure the solution reaches the hard-to-reach areas.
7. Rinse - Rinse the loader and accessories thoroughly with cool (25°C) tap water until there is no visible evidence of the cleaning solution. Actuate the loader while rinsing to ensure the rinse water reaches the hard-to-reach areas.
8. Repeat - Repeat Steps 5-7 once, for a total of 2 Presoak/Cleaning/Rinse cycles.
9. Visual Inspection - Inspect the instrument to ensure that all debris and soil has been removed. If there is any evidence of debris or soil, repeat all of the aforementioned steps until there is no evidence of debris or soil remaining. For devices that fail visual inspection, contact Bard Brachytherapy, Customer Service at (800) 977-6733.
10. Drying – Drying can be performed at temperatures below 135°C.
11. Maintenance and Inspection – Verify that the QUICKLINK® loader and carriage are free from obvious defects or damage. Verify that the stylet is straight. Verify that the lead glass door has adequate visibility. Verify that the slide compression mechanism and release are working properly. Replace the loader and/or components as necessary.

**Automated Cleaning:**

1. Point of Use - No particular requirements.
2. Containment and Transportation - No particular requirements.
3. Instrument Preparation - Remove the stylet and carriage from the QUICKLINK® loader. Open the lead glass door, and ensure that it remains open throughout the cleaning procedure. Remove any QUICKLINK® cartridges, loose seeds, spacers and SOURCELINK™ components.

**Note: If loose seeds are found, immediately contact Radiation Safety for safe handling and disposal of the seeds.**

4. Initial Rinse - Rinse the loader and accessories thoroughly with cool (25°C) tap water. Remove any excess soil by brushing with a soft bristle brush. Ensure all hard to reach areas are flushed.
5. Enzymatic Presoak - Prepare enough multi-tiered enzymatic cleaner solution (Ruhof Endozime® AW Plus or equivalent), following the manufacturer's instructions, to completely wet the QUICKLINK® loader and accessories. Thoroughly wet the loader and accessories with enzymatic cleaning solution and allow them to soak for a minimum of 5 minutes. Actuate the loader while in the cleaning solution to ensure the cleaning solution reaches the hard-to-reach areas.
6. Manual Clean - Using a soft bristle brush, brush all accessible areas of the loader and accessories for a minimum of one minute to remove visible evidence of debris or soil. Actuate the loader while brushing to ensure the rinse water reaches the hard-to-reach areas.
7. Rinse - Rinse the loader and accessories thoroughly with cool (25°C) tap water until there is no visible evidence of the cleaning solution. Actuate the loader while rinsing to ensure the rinse water reaches the hard-to-reach areas.
8. Washer-Disinfectant Cleaning - Place the open loader and accessories in the washer-disinfectant with the loader assembly plate facing the ceiling of the washer-disinfectant. Process the instruments according to the following cycle:

Phase	Recirculation Time(min)	Water temperature	Detergent Type (if applicable)
Pre-Wash	05:00	Cold tap water: 61°F (16°C) Maximum	N/A
Wash	10:00	140°F (60°C) Set point	Multipurpose detergent (neodisher® MediClean forte or equivalent)
Rinse	05:00	Hot tap water: 109°F (43°C) Minimum	N/A

9. Visual Inspection - Inspect the instrument to ensure that all debris and soil has been removed. If there is any evidence of debris or soil, repeat all of the aforementioned steps until there is no evidence of debris or soil remaining. For

devices that fail visual inspection, contact Bard Brachytherapy Customer Service at (800) 977-6733.

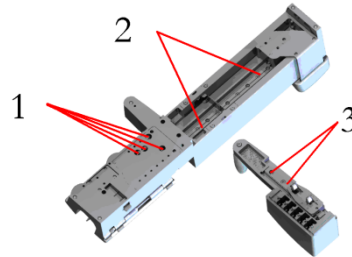
10. Drying – Drying can be performed at temperatures below 135°C.
11. Maintenance and Inspection – Verify that the QUICKLINK® loader and carriage is free from obvious defects or damage. Verify that the stylet is straight. Verify that the lead glass door has adequate visibility. Verify that the slide compression mechanism and release are working properly. Replace the loader and/or components as necessary.

**QUICKLINK® Loader Lubrication Procedure**

BARD® recommends lubricating the QUICKLINK® loader before each case. Lubricant should be applied prior to sterilization. The recommended lubricant is Miltex® Spray Lube (REF 3-700, available from Miltex Inc., York PA).

**Instructions for applying lubricant to loader**

1. Remove stylet if present and close the lead glass door if open. Always apply lubricant with lead glass door closed to prevent lubricant from getting on the dispense track.
2. Remove carriage from loader.
3. The holes on the underside of the loader indicated by 1 (see figure below) are points where a single spray should be applied in each hole.
4. Hold lubricant spray bottle 1"-2" from surfaces 2&3 (see figure below) and apply with a single spray pump at each location.
5. After applying lubricant to areas indicated, any excessive lubricant should be wiped away with a lint free cloth.
6. Mount carriage back on loader and actuate back and forth.
7. Actuate compression slide handle forward and back.



**Sterilization:**

**Caution: Key points for use of the QUICKLINK® Delivery System**

- DO NOT sterilize by irradiation
- DO NOT process the QUICKLINK® loader and accessories at temperatures above 135°C
- DO USE appropriate personal protective equipment as dictated by facility protocol
- Prior to sterilization, the QUICKLINK® loader and accessories should be properly cleaned and lubricated (loader only)
- For sterilization, the QUICKLINK® loader must be sterilized with the lead glass door open

**Sterilization Preparation**

Wrap loader and accessories individually with hospital sterilization wrap and secure with autoclave tape prior to sterilization. Ensure the lead glass door of the loader is in the open position prior to wrapping.

**Sterilization conditions – The QUICKLINK® Loader and accessories should be sterilized using one of the following sterilization cycles:**

**Gravity Displacement Autoclave**

Full Cycle Temperature	Full Cycle Exposure Time	Dry Time (in chamber)	Cool Down Time at Room/Ambient Temperature
275°F (135°C)	10 minutes	N/A	30 minutes

**Pre-Vacuum Autoclave**

Full Cycle Temperature	Full Cycle Exposure Time	Dry Time (in chamber)	Cool Down Time at Room/Ambient Temperature
275°F (135°C)	5 minutes	N/A	30 minutes
273°F (134°C)	18 minutes	N/A	30 minutes
270°F (132°C)	4 minutes	N/A	30 minutes
273°F (134°C)	3 minutes	N/A	30 minutes

1. Storage – Store at room temperature.
2. Additional information – When sterilizing multiple instruments in one autoclave cycle, ensure the sterilizer's maximum load is not exceeded. The instructions above have been validated by BARD® as being capable of preparing the QUICKLINK® loader for re-use. It remains the responsibility of the processor to ensure that the processing as actually performed using equipment, materials and personnel in the processing facility achieves the desired result. This requires validation and routine monitoring of the process. Likewise, any deviation from the instructions provided should be properly evaluated for effectiveness and potential adverse consequences.
3. Instrument Reassembly – After sterilization, replace carriage, stylet, and needle adapter accessories prior to use. Ensure carriage slides freely.

## QUICKLINK® LOADER SPARE PARTS

The QUICKLINK® Delivery System Spare Parts are intended for changing the compatibility of the QUICKLINK® Delivery System with various commercially available implant needles or for replacement of damaged parts. Available spare parts are described below:

### Stylets: [Part Number 70310QCC1]

The stylet is manufactured of stainless steel and designed to compress the seeds and SOURCELINK™ Connectors into a seed train. The stylet may become bent over time and may require replacement. It is equipped with a Luer-lock fitting and can be easily replaced if needed.

### Lead Glass: [Part Number 70310QCA6]

The lead glass in the lead glass door is designed to protect the operator from radiation exposure. The lead glass might become clouded over time due to the sterilization process and may require replacement if visualization of the compression channel is prevented.

### Needle Adapters

Stainless steel adapters are provided for the attachment of implant needles to the QUICKLINK® Delivery System. The needle adapters may be changed as necessary to accommodate different styles of implant needles. The needle adapters available are:

#### Primary Needle Adapter: [Part Number 70310QCA2]

#### Primary Needle Adapter – Locked: [Part Number 70310QCA5]

Compatible with the following needles:

BARD® BRACHYSTAR® Needles 71820X, 81820X, 171850  
 AVID Medical P/N AV1820PN  
 CP Medical P/N CPPS1820  
 CP Medical P/N PSPP-1820-PDO (Point Plug PDO™)  
 Manan Medical Products P/N 2330-18ME-20-P  
 Manan Medical Products P/N 2340-18BE-20-P  
 Manan Medical Products P/N 2360MUS-18BE-20  
 Medical Device Technologies (MD Tech) P/N 500518200X  
 Med-Tec P/N MT-BT-5001-25  
 NeedleTech Products P/N 40052-01E  
 NeedleTech Products P/N 40087-01E  
 Worldwide Medical Technologies P/N PSS1820

#### Luer Needle Adapter: [Part Number 70310QCA3]

Compatible with the following needles:

AVID Medical P/N AV1820ZN (Metal Hub Zebra™)  
 Mentor P/N 97-1030 (Metal Hub)  
 Mentor P/N 97-1040

#### Small Hub Needle Adapter: [Part Number 70310QCA4]

Compatible with the following needles:

Medical Device Technologies (MDTech) P/N 500618200X  
 Worldwide Medical Technologies P/N PSS1820EZ (EZ Load)

## QUICKLINK® LOADER SPARE PART REPLACEMENT

### Needle Adapter Replacement

1. Remove the needle adapter from the loader by rotating the knurled adapter base counterclockwise.
2. Rethread the new needle adapter into the front plate and rotate clockwise to tighten.

### Stylet (Part Number 70310QCC1) Replacement

1. Fully retract the compression handle to the right.
2. Depress the carriage release button and remove the carriage.
 

**Note:** When removing the carriage from the loader, do not tamper with the mechanisms that reside beneath the carriage. These components are aligned to rigid specifications, and must be handled carefully to maintain proper loader functionality.
3. Turn the loader over to expose the underside of the loader housing.
4. Manually separate the compression handle from the compression mechanism, exposing the stylet hub.
5. Remove the stylet by rotating the knurled hub counterclockwise.
6. Feed the new stylet through the opening in the stylet support doors and into the front plate to allow the stylet hub to mate with the stylet anchor. Rotate the stylet base clockwise to tighten.
7. Return the loader to the upright position and replace the carriage.

### Lead Glass (Part Number 70310QCA6) Replacement

1. Open the lead glass door by pushing down the door release button.
2. Use a .050" hex head wrench to remove the 8 screws from the lead glass retaining frame.
3. Remove the retaining frame and damaged glass.
 

**Note:** The shielding glass contains lead, and must be disposed of according to applicable laws and regulations.

4. Install the replacement glass and retaining frame and secure with the frame screws.

**Note:** The needle adapters, stylets and lead glass are the only parts of the QUICKLINK® Loader that are serviceable by the customer. For more extensive repair or loader replacement, contact Bard Brachytherapy Customer Service at (800) 977-6733.








## ORDERING

QUICKLINK® Delivery System components may be ordered from, and questions should be directed to, Bard Brachytherapy Customer Service, (800) 977-6733.















## GRAPHICAL REPRESENTATION OF LINKED SEEDS

Refer to the graphical representation of linked seeds in Figure 3.

## SYMBOLS USED ON LABELING (QUICKLINK® Loader)

	Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.		Catalog Number
	Serial Number		Manufacturer
	Caution		Non-Sterile
	Consult Instructions for Use		

## SYMBOLS USED ON LABELING (Cartridges, Sources and SOURCELINK™)

	Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.		Use By
	Units		Consult Instructions for Use
	Caution		Catalog Number
	Sterilized using gamma irradiation.		Do not use if package is damaged.
	Single Use		Manufacturer
	Do not resterilize		Serial Number
	40°C Upper Limit of Temperature		Lot Number

Certain devices used with QUICKLINK® are single use devices. Do not resterilize any portion of these devices. Reuse and/or repackaging may create a risk of patient or user infection, compromise the structural integrity and/or essential material and design characteristics of the device, which may lead to device failure, and/or lead to injury, illness or death of the patient.

## TRADEMARKS



Bard, BrachySource, BrachyStar, QuickLink and SourceLink are trademarks and/or registered trademarks of C. R. Bard, Inc.

All other trademarks are the property of their respective owners.

Endozime™ is a trademark and/or registered trademark of The Ruhof Corporation

Year of Authorization to affix the CE Mark was 2007.

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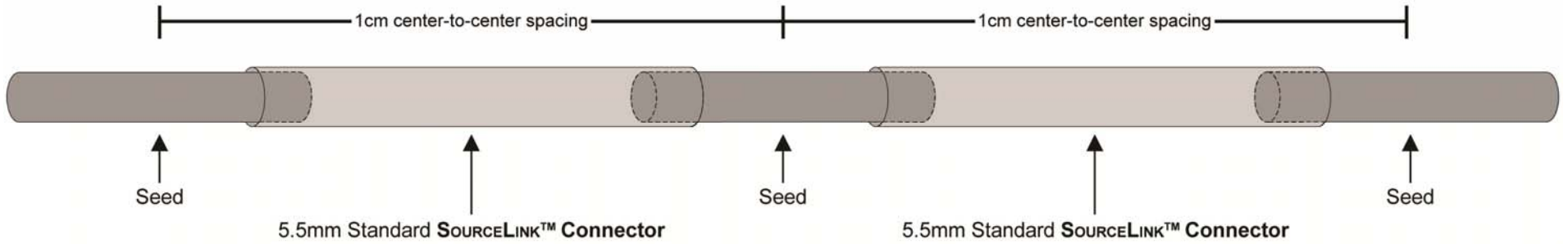
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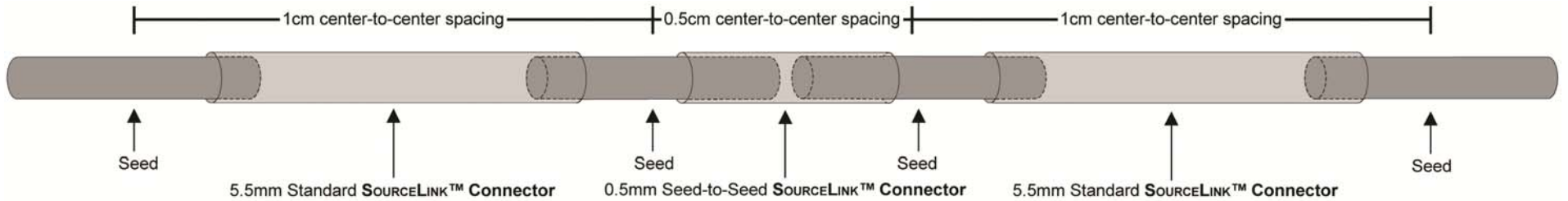
PK0319939 12/2018

**GRAPHICAL REPRESENTATION OF LINKED SEEDS**

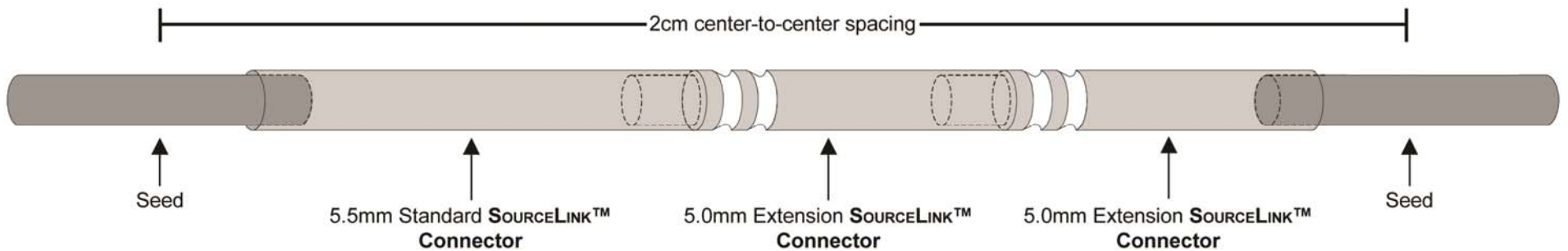
Seeds linked with 5.5mm Standard SOURCELINK™ Connector, providing 1cm center-to-center spacing.



Seeds linked with 5.5mm Standard SOURCELINK™ Connector and 0.5mm Seed-to-Seed SOURCELINK™ Connector providing both 0.5cm center-to-center spacing and 1cm center-to-center spacing.



Seeds linked with 5.5mm Standard SOURCELINK™ Connector and 5.0mm Extension SOURCELINK™ Connector, providing 2cm center-to-center spacing.



[FIGURE 3]