



Expect Service

Radiation Products Design Inc

INSTRUCTIONS

RPD INFORMATION

Address	5218 Barthel Industrial Drive Albertville, MN 55301
Website	www.rpdinc.com
Email	sales@rpdinc.com
Phone	763-497-2071 or 800-497-2071
Fax	763-497-2295

RPD PRODUCT INFORMATION

Item Number	Description
978-605__	MR/CT Titanium Flex Arm System, Order Clamp #
946-053__	MR/CT Titanium Flex Arm Slessinger Board, Order Clamp #
978-603__	CT Stainless Steel Articulating Arm System Order Clamp #
946-063__	CT Stainless Steel Articulating Arm Slessinger Board Order Clamp #

DISCLAIMER

**THESE PRODUCTS ARE NOT STERILE AND ARE TO BE USED BY
AUTHORIZED PERSONNEL ONLY.**

RADIATION PRODUCTS DESIGN INC assumes no liability for consequential damages of any kind for this material when used interchangeably with products of other manufacturers/suppliers or for any direct or indirect results and consequences of its use or misuse by the customer. Federal law (USA) restricts the sale of this device for use only by (or at the order of) a physician.

INTRODUCTION

MR Conditional and CT:

- 978-605__MR/CT Titanium Flex Arm System,
Order Clamp #
- 946-053__MR/CT Titanium Flex Arm Slessinger Board,
Order Clamp #

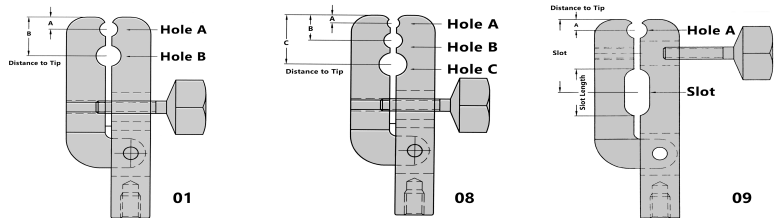
The MR/CT Conditional Titanium Flex Arm was designed for use in MR or CT to hold a HDR Nucletron, HDR Varian, HDR Eckert & Ziegler, FSD LDR Applicators, Vaginal Cylinder, Tandems or other objects securely in place during GYN brachytherapy treatment.

CT ONLY:

- 978-603__CT Stainless Articulating Arm System,
Order Clamp #
- 946-063__CT Stainless Articulating Arm Slessinger Board,
Order Clamp #

The CT Stainless Steel Articulating Arm System was designed for use in CT to hold a HDR Nucletron, HDR Varian, HDR Eckert & Ziegler, FSD LDR Applicators, Vaginal Cylinder, Tandems or other objects securely in place during GYN brachytherapy treatment.

INSTRUCTIONS



Item # Extension	Clamp Width	Hole A Diameter	Distance to Tip	Hole B Diameter	Distance to Tip	Hole C Diameter	Distance to Tip	Slot Length and Dia.	Distance to Tip
01	.49" (12.5mm)	6mm	.182" (4.6mm)	8mm	.579" (14.7mm)				
02	.49" (12.5mm)	8mm	.182" (4.6mm)	6mm	.579" (14.7mm)				
03	.49" (12.5mm)	6mm	.182" (4.6mm)	12mm	.657" (16.7mm)				
04	.49" (12.5mm)	12mm	.306" (7.8mm)	6mm	.781" (19.8mm)				
05	.49" (12.5mm)	8mm	.182" (4.6mm)						
06	.25" (6.4mm)	.25" (6.4mm)	.226" (5.8mm)	.312" (7.9mm)	.632" (16.1mm)				
07	.25" (6.4mm)	.312" (7.9mm)	.226" (5.8mm)	.25" (6.4mm)	.632" (16.1mm)				
08	.49" (12.5mm)	4mm	.118" (3mm)	6mm	.377" (9.6mm)	9mm	.735" (18.7mm)		
09	.49" (12.5mm)	6.5mm	.165" (4.2mm)					18mm, 8mm	.591" (15mm)

Custom clamps can be made to order if your desired specifications are not listed above.

**978-605__ MR/CT Titanium Flex Arm System,
Instructions for Use**

The treatment applicator is placed into the patient and the tapered end of the base is slid under the patient. The Flex Arm rail block is slid onto the board rail and the applicator clamp is adjusted to fit onto the treatment applicator and locked. The Flex Arm and rail block are then locked into place.

The vertical post allows the Flex Arm to rotate 360° and has vertical markings every half centimeter from 3cm to 15cm. The wing knob on the vertical post clamp locks the elevation, rotational and in/out position of the Flex Arm. Slightly tightening the wing knob will lock the vertical post clamp in rotation and elevation. Further tightening will lock the in/out travel of the Flex Arm. The wing knob at the end of the Flex Arm locks the swivel of the applicator clamp. Loosen the Flex Arm wing knob to adjust the swivel of the applicator clamp into position and attach to the treatment applicator. When attached to the treatment applicator, tighten the Flex Arm wing knob at the end of the Flex Arm. Then tighten the post wing knob to lock in/out position of the Flex Arm. The applicator clamp end of the Flex Arm has a ball stud that allows the applicator clamp 360° of rotation. A thumb screw will lock the clamp and another thumb screw locks the board rail block.

**946-053__ MR/CT Titanium Flex Arm Slessinger Board
Instructions for Use**

The MR/CT Conditional Titanium Flex Board (Blue) is mounted to the Slessinger Board with a knob and washers and can be moved in or out of the patient approximately 5". The treatment applicator is placed into the patient while laying on the Slessinger Board. The Flex Arm rail block is slid onto the board rail and the applicator clamp is adjusted to fit onto the treatment applicator and locked. The Flex Arm rail block is then locked into place.

The vertical post allows the Flex Arm to rotate 360° and has vertical markings every half centimeter from 3cm to 15cm. The wing knob on the vertical post clamp locks the elevation, rotational and in/out position of the Flex Arm. Slightly tightening the wing knob will lock the vertical post clamp in rotation and elevation. Further tightening will lock the in/out travel of the Flex Arm. The wing knob at the end of the Flex Arm locks the swivel of the applicator clamp. Loosen the Flex Arm wing knob to adjust the swivel of the applicator clamp into position and attach to the treatment applicator. When attached to the treatment applicator,

tighten the Flex Arm wing knob at the end of the Flex Arm. Then tighten the post wing knob to lock in/out position of the Flex Arm.

The applicator clamp end of the Flex Arm has a cutout swivel that houses a ball stud and allows the applicator clamp 360° of rotation. A thumb screw will lock the clamp and another thumb screw locks the board rail block.

978-603__ CT Stainless Steel Articulating Arm System Instructions for Use

The treatment applicator is placed into the patient and the tapered end of the blue board is slid under the patient. The articulating arm rail block is slid onto the board rail and the applicator clamp is adjusted to fit onto the applicator and locked. The articulating arm and rail block are then locked into place.

The applicator clamp is fixed to one arm of the articulating arm and the other arm is fixed to the rail block. The rail block slides onto the 3" long board rail and is locked in position with the thumb screw.

The Articulating Arm has two arms that can rotate 360°. The end of each arm has a cutout swivel that houses a ball stud and allows for another 360° of rotation. A wing knob in the center of the arms locks the position of both arms and the swivel ball ends.

946-063__ CT Stainless Steel Articulating Arm Slessinger Instructions for Use

The Articulating Stainless Steel Arm Board (Blue) is mounted to the Slessinger Board with a knob and washers and can be moved in or out of the patient approximately 5". The treatment applicator is then placed into the patient while laying on the Slessinger Board. The Articulating Arm rail block is slid onto the board rail and the applicator clamp is adjusted to fit onto the treatment applicator and locked. The Articulating Arm and rail block is then locked in place.

The applicator clamp is fixed to one arm of the articulating arm and the other arm is fixed to the rail block. The rail block slides onto the 6" long board rail and is locked in position with the thumb screw.

The Articulating Arm has two arms that can rotate 360°. The end of each arm has a cutout swivel that houses a ball stud and allows for another 360° of rotation. A wing knob in the center of the arms locks the position of both arms and the swivel ball ends.

SPECIFICATIONS

978-605__ MR/CT Titanium Flex Arm System

Base Size: 5.5" W x 20.5" L x 0.25" Thick (13.8 x 52.1 x 0.6cm)

Handle Cutout: 4" W x 1" L (10.1 x 2.5cm)

Base Material: HDPE Blue Polyethylene Colorboard

Flex Arm Size:

Arm Height: 16.2cm

Flex Arm Material: Titanium

Vertical Post Material: Black Aluminum

946-053__ MR/CT Titanium Flex Arm Slessinger Board

Base Size: 5.5" W x 16" L x 0.25" thick (13.8 x 40.64 x 0.6cm)

Handle Cutout: 4" W x 1" L (10.1 x 2.5cm)

Base Material: HDPE Blue Polyethylene Colorboard

Flex Arm Height: 16.2cm

Flex Arm Material: Titanium

Vertical Post Material: Black Aluminum

978-603__ CT Stainless Steel Articulating Arm System

Base Size: 5.5" W x 20.5" L x .25" Thick (13.8 x 52.1 x 0.6 cm)

Handle Cutout: 4" W x 1" L (10.1 x 2.5 cm)

Base Material: HDPE Blue Polyethylene Colorboard

Articulating Arm Length including Ball Stud: 12.2 cm

Overall Size with arms at 180°: 27 cm W x 6 cm H

Material: Stainless Steel

946-063__ CT Stainless Steel Articulating Arm Slessinger Board

Base Size: 5.5" W x 16" L x 0.25 thick (13.8 x 40.64 x 0.6cm)

Handle Cutout: 4" W x 1" L (10.1 x 2.5cm)

Base Material: HDPE Blue Polyethylene Colorboard

SPECIAL PRECAUTIONS

Note: DO NOT soak in Betadine Solution, as this will cause corrosion.
DO NOT store in liquid - store dry
DO NOT use or store in saline (sodium chloride) solution.

INSPECTION

Before each use and prior to sterilizing, Examine for burrs or rough edges, which could have occurred through normal use.

CLEANING

All parts must be thoroughly cleaned before being disinfected or sterilized.

The presence of organic matter can protect bacteria from the action of the disinfectant or sterilant, or react with the agent and make it ineffective.

Cleaning can be done with 1) water alone, 2) with soap or detergent and water or 3) water and soap or detergent and disinfectant.

Cleaning with a disinfectant reduces the risk of contamination to the cleaning staff, but does not eliminate them completely.

Be sure to rinse thoroughly with water to remove all soap or detergent and/or disinfectant residue from. DO NOT assemble damp/wet parts because an electrolysis effect will take place between two dissimilar metals causing parts to pit.

DISINFECT

Cidex OPA Separate parts prior to disinfection. Wash with water and soap or detergent and disinfectant. Soak in Cidex OPA for 12 minutes. Then rinse in three different batches of sterile water to remove all traces of Cidex OPA.

Note: This product does not require ACTIVATION.

DO NOT assemble damp/wet parts because an electrolysis effect will take place between two dissimilar metals causing parts to pit.

STERILIZATION METHODS

Autoclave (Steam) Separate all parts prior to sterilization.

Autoclave wrapped parts for 5 minutes at 270°F (132.3°C).

DO NOT assemble damp/wet parts because an electrolysis effect will take place between two dissimilar metals causing pitting of the parts.

WARRANTY

1 year from date of purchase.

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