IMPORTANT PRODUCT INFORMATION
PLEASE REVIEW BEFORE USING

MEDIFLEX StrongArm™ Surgical Holders and Positioners
Single Arm Models # 73000, 73000-ST, 73000-DT, 73000-QG10, 73000-QG5 and 73000-RBA

PRODUCT DESCRIPTION
StrongArm Surgical Holders and Positioners are designed to hold, stabilize and easily reposition various surgical instruments during both open and minimally invasive surgery. They are identical except for the distal tip design, which further defines specific function. Figure 1 shows the device as it might appear attached to an OR Table Rail.

- "A" is the O.R. Table Rail Clamp with tightening lever.
- "B" is the Ergonomic Tightening Knob
- "C" is the Quick Disconnect feature found on all versions of the 73000 series. Any Mediflex Device featuring a Hex fitting can be attached to this device.
- The 73000 is supplied with just the Quick Disconnect feature "C". The other models come with one of 5 removable instrument or scope holders as shown below

| Stainless Steel Tip on 73000-ST | Delrin Tip on 73000-DT | 10mm Quick Grip Tip on 73000-QG10 | 5mm Quick Grip Tip on 73000-QG5 | Ratchet Tip on 73000-RBA |

The Stainless Steel tip can be used to hold the shaft of laparoscopic or open instruments with a diameter ranging from 3 to 12mm. The Delrin Tip holds laparoscopes ranging from 3 to 12mm in diameter. The Quick Grip Tips hold endoscopes of the indicated diameter. The Ratchet tip holds Bookler™ Brand Retractor Blades for open procedures.

INSPECTION
Inspect upon receipt, during the cleaning process and immediately before use. Test to see that the tightening lever on the Rail Clamp, the Ergonomic Tightening Knob and the Quick Disconnect Locking Sleeve (Fig. 2) all move freely. Visually inspect for loose or missing parts, cracks and broken components. If one of the above tips is included, check to see if it opens and closes easily. Any device with missing parts, cracks or broken components should not be used and returned to Mediflex for repair or replacement.

CLEANING
These devices should be cleaned and sterilized upon receipt. After use, they should be cleaned according to hospital protocol for reusable surgical instruments. Follow instructions and warnings as issued by the manufacturer of any decontaminants, disinfectants and cleaning agents used. Suggested steps in the cleaning process include but are not limited to:

- Wherever possible, do not allow blood, debris or bodily fluids to dry on devices. For best results and to prolong the life of the device, reprocess immediately after use. If they cannot be reprocessed immediately, use enzymatic foam spray cleaner or deionized (distilled) water to help prevent soil from drying.
- Other than removing the post from the Rail Clamp and the tip from the Quick Disconnect fitting, StrongArm Holders and Positioners are not designed to be disassembled. Do not attempt to disassemble them.
- Prepare enzymatic detergent (such as Kenzyme™) according to manufacturers' recommendations at 40°C and soak device(s) for fifteen (15) minutes.
- Scrub the submerged device(s) with a soft bristled, non-metallic brush. Agitate the device(s) by hand while scrubbing. Maneuver any movable parts to loosen soil for one minute total, for each Device.
- Rinse device(s) with warm tap water for thirty (30) seconds.
- Place device(s) into bath containing warm (38-49°C) water. Agitate the device(s) by hand for one (1) minute. Repeat two additional times.
• Sonicate device(s) for fifteen (15) minutes in 40°C water and a neutral P.H. detergent (such as Neutrad™).
• Prepare detergent according to manufacturers’ recommendations.
• Rinse the device(s) with clean tap water for one(1) minute.
• Dry the device(s) with a clean, lint-free cloth.
• Re-inspect for loose or missing parts, cracks and broken components. Inspect for visible soil or debris. Repeat cleaning procedure if the device(s) appear to be soiled.
• These devices should be lubricated after every cleaning. Any commercially available water soluble instrument milk or lubricant is acceptable. Follow instructions for lubricating surgical instruments as provided by the manufacturer of the lubricant used.

STERILIZATION
These products may be sterilized according to hospital protocol for reusable surgical instruments. Steam autoclaving (including gravity, pre-vac and flash), Ethylene Oxide, Peracetic Acid (Steris®) and Hydrogen Peroxide Gas Plasma (Sterrad®) systems may all be used. Always follow the manufacturer’s recommendations for surgical instruments in the use of any sterilizer.

SET-UP AND USE
The Rail Clamp should be placed on the OR Table rail with the Mediflex name facing upward. Generally the device is placed on the side of the table opposite the primary surgeon and in such a position that will allow the arms to reach the intended instrument position. Both jaws of the clamp should be loose enough to easily slide both over and under the rail. (Loosen by turning the tightening lever counterclockwise.

The Vertical Post of the StrongArm Device (easily identified by its one flat surface) is inserted through the opening of the Rail Clamp with the flat portion facing away from the patient. When the desired position (along the rail and height) is reached, turn the Rail Clamp Tightening lever clockwise as far as possible.

Attach the desired tip into the Quick Disconnect Fitting:
• Be sure that the Locking Sleeve (Fig. 2) is in the unlocked position.
• Insert the device’s Hex end into the opening. A slight rotation may be necessary to align the fit.
• When completely inserted, slide the locking sleeve into the locked position (Fig. 2).
• Always check to assure that the tip is locked in place by pulling on the tip. If the tip comes out of the fitting, slide the locking sleeve back to the unlocked position and repeat the steps above.

When the chosen tip is securely installed on the arm, move the arm so that the Tip is approximately where the device will be used and the arm segments are as out-of-the-way as possible. Tighten the Ergonomic Tightening Knob by turning it clockwise. During the procedure, if the tip needs to be adjusted, turn the Ergonomic Tightening Knob counter clockwise until the arm can be moved; adjust the tip position and re-tighten the Ergonomic Tightening Knob.

ROUTINE MAINTENANCE
If inspection, cleaning and lubrication are done on a regular basis, no other routine maintenance should be required on these devices.

LIMITED PRODUCT WARRANTY
Mediflex StrongArm Surgical Holders and Positioners are warranted to the original purchaser to be free from defects in material and workmanship for a period of one (1) year from the date of purchase. If this product proves to be defective, purchaser should obtain a Returned Goods Authorization from Mediflex and return it to the address below. Mediflex will repair or replace defective product at our option. Mediflex’s liability under this limited warranty does not extend to abuse or misuse of the product.

FOR SERVICE OR REPAIR
For any necessary service or repair, please contact your Mediflex Distributor or Mediflex Customer Service at the address shown below.

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250 Gibbs Road • Islandia, NY 11749 • USA
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