**10** STRONGARM<sup>™</sup> SURGICAL HOLDERS AND POSITIONERS

# THE ULTIMATE IN ADJUSTABLE RIGIDITY

In recent years two laparoscopic procedures that required retraction of the Liver became commonplace. Both Bariatric and GERD procedures necessitate keeping the liver elevated for virtually the entire procedure. Many methods were tried with varying degrees of success. But in late 2007 Mediflex coupled a new type of Liver Retractor with a newly designed Rigid Arm System. Introduced as the Nathanson StrongArm Liver Retraction System it took the laparoscopic community by storm. Finally, surgeons could easily lift and hold the liver out of the way without the retractor sagging or a human retractorholder fatiguing.

Now used for many tasks in both Laparoscopic and open surgical procedures, the StrongArm Holder and Positioner has proven to be the latest best-seller from the World Leader in Surgical Holding and Positioning Arms... Mediflex.

# FEATURES AND ADVANTAGES OF THE STRONGARM HOLDER AND POSITIONER

## HOLDS VIRTUALLY ANY INSTRUMENT, RETRACTOR OR SCOPE

Can reduce or eliminate hand-held retraction in laparoscopy. Minimizes hand-held scope manipulation.

#### THE QUICK-DISCONNECT FEATURE accommodates

a range of available liver retractors, instrument holders and endoscope holders.

### ATTACHES TO OR TABLE RAIL IN A TRADITIONAL MANNER

Utilizes a heavy-duty OR Rail Clamp that permits height adjustability.

## AVAILABLE IN A VARIETY OF CONFIGURATIONS

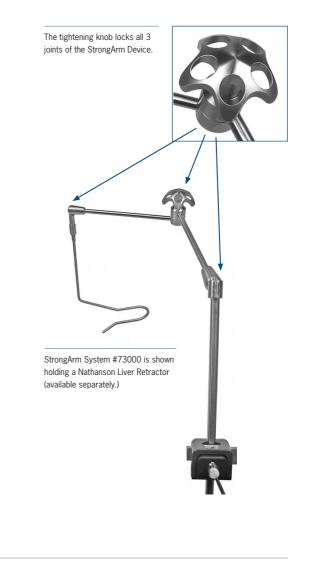
Single Arm Systems available to hold scope <u>or</u> instrument. Twin Arm Systems can hold scope <u>and</u> instrument.

#### EASILY CONFORMS TO ALMOST ANY POSITION

Completely versatile in placement capability.

## MULTI-DIRECTIONAL ARMS LOCK TIGHT WITH A SINGLE KNOB

MADE IN U.S.A. FROM 100% SURGICAL GRADE STAINLESS STEEL



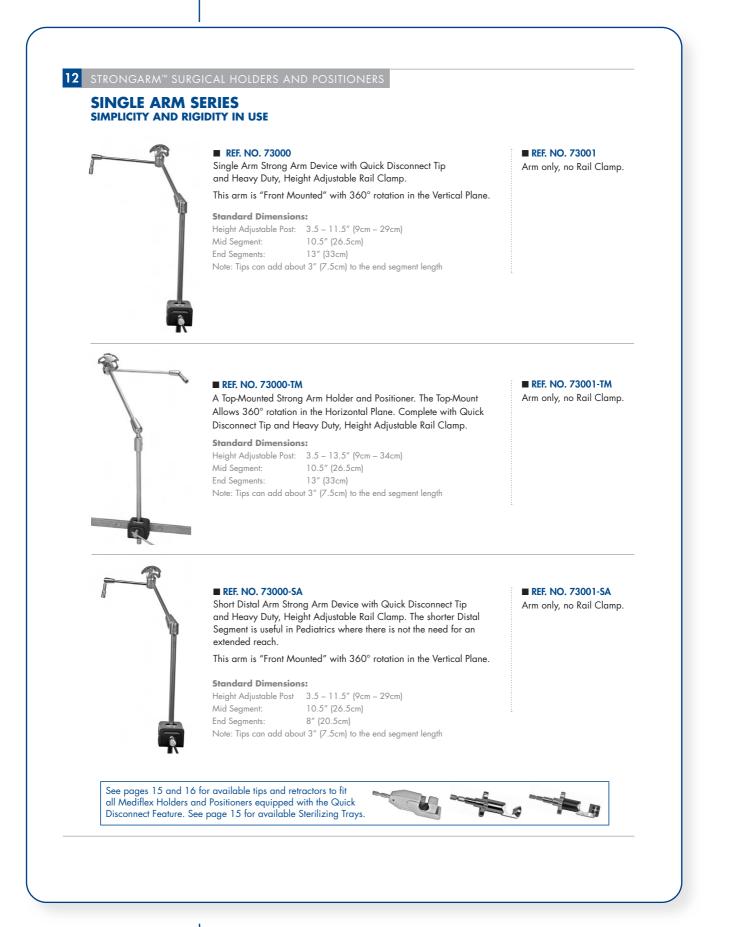
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STRONGARM<sup>™</sup> SURGICAL HOLDERS AND POSITIONERS 11 THE ULTIMATE IN ADJUSTABLE RIGIDITY All Mediflex Holders and Positioners include a Quick Disconnect In addition to the tips found on page 15, Mediflex offers the Distal End (shown below.) This feature allows any Mediflex largest selection of Nathanson Hooks available from any Tip equipped with a Hexagonal End Fitting to attach to any manufacturer. The Hooks also feature the Hexagonal End Fitting arm. Tips are designed to hold Laparoscopes, other types of allowing them to be held by any Mediflex StrongArm Device. rigid endoscopes, instruments and retractors. They will hold By holding the Hook in this manner, the axial slippage common devices with diameters ranging from 1.5mm to 12.5mm. with other types of holding systems is eliminated. Nathanson Hooks and Systems are shown on pages 16 and 17. The selection of tips available is found on page 15. UNLOCKED LOCKED **LOCKED WITH TIP INSERT** The Twin Arm StrongArm system illustrates the use of the Quick Disconnect System to hold both a laparoscope and a Nathanson Hook. Using a system like this often frees up a surgical tech and allows better utilization of human resources. See page 14 for twin arm systems.

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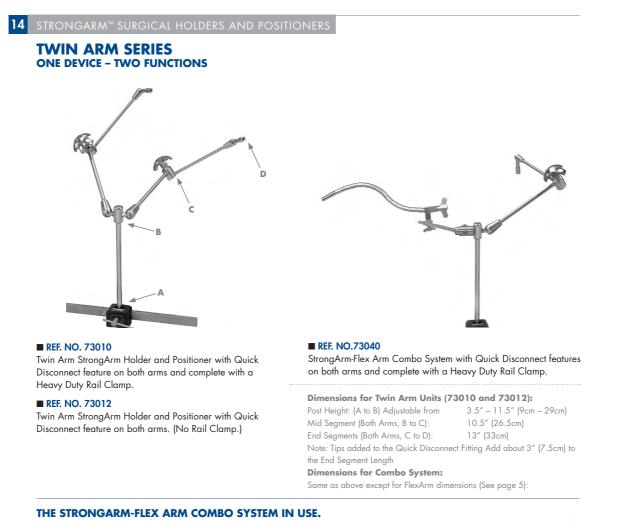












The StrongArm Portion is holding an available Mediflex Nathanson Hook (See pg 16) while the Flex Arm Portion is Holding a 10 mm Laparoscope (page 27) with the available 10mm Quick Grip Scope Holder (page 15). This features the near absolute rigidity of a StrongArm Device with the flexible rigidity of a Flex Arm Holder and Positioner. This combination is ideal for procedures that require the liver to be retracted out of the way while also holding a scope. It can allow the surgery to be done with fewer employees... a true labor saving device.

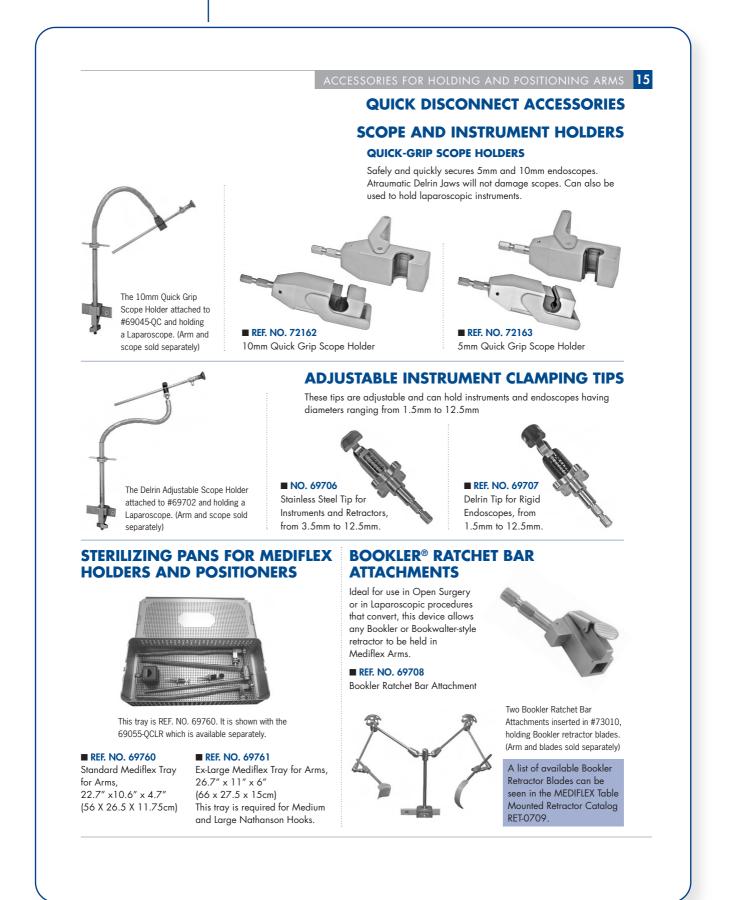


See pages 15 and 16 for available tips and retractors to fit all Mediflex Holders and Positioners equipped with the Quick Disconnect Feature. See page 15 for available Sterilizing Trays.

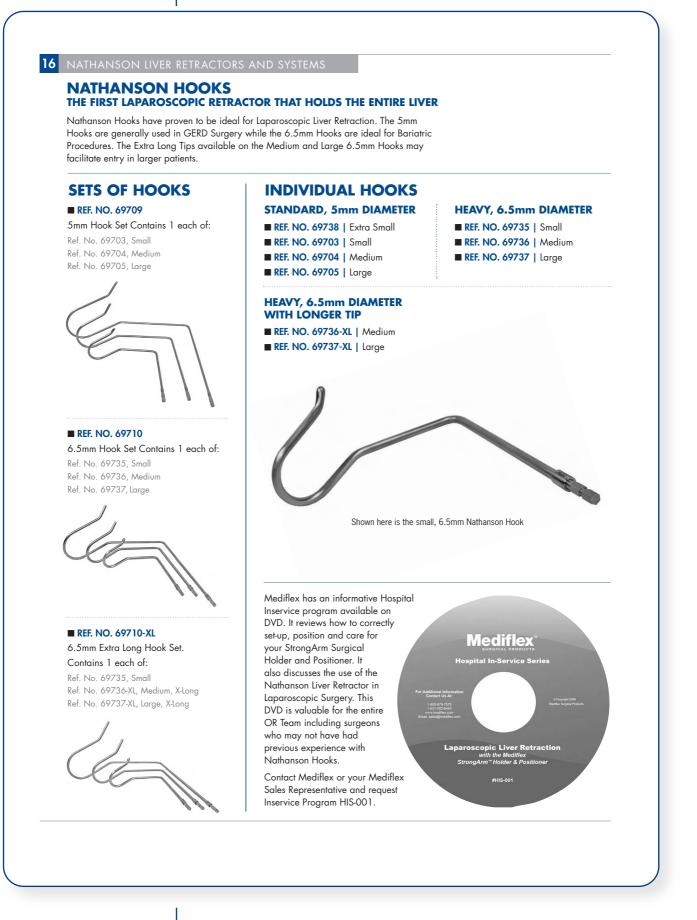


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Nathanson-StrongArm Systems all contain an Arm, 3 hooks and 2 scope/instrument tips. Shown here is Ref. No. 73020-NLR.

## SYSTEM NO. 73020-XL

| 6.5mm XL System contains: |          |                              |  |  |  |
|---------------------------|----------|------------------------------|--|--|--|
| Qty.                      | Ref. No. | Description/Size             |  |  |  |
| l ea                      | 73001    | Single Arm StrongArm         |  |  |  |
| l ea                      | 69099    | Heavy Duty Rail Clamp        |  |  |  |
| l ea                      | 69735    | Small 6.5mm Nathanson Hook   |  |  |  |
| l ea                      | 69736-XL | Med. 6.5mm Nathanson Hook XL |  |  |  |
| l ea                      | 69737-XL | Large 6.5m Nathanson Hook XL |  |  |  |
| 1 ea                      | 69706    | SS Instrument Holder         |  |  |  |
| l ea                      | 69707    | Delrin Scope Holder          |  |  |  |



# NATHANSON STRONGARM<sup>™</sup> SYSTEMS

Each of the Systems below features Ref. No. 73000 Single Arm StrongArm Holder and Positioner along with 3 Nathanson Hooks and 2 Instruments Tips. The Hooks and Tips each feature The Mediflex Hexagonal Fitting that allows them to be easily attached to and removed from any Mediflex Surgical Holder and Positioner that has the Quick Disconnect Feature. These Systems are best for Bariatric Procedures.

## SYSTEM NO. 73000-NLR

#### 5mm System contains:

| Qty. | Ref. No. | Description/Size         |
|------|----------|--------------------------|
| l ea | 73001    | Single Arm StrongArm     |
| l ea | 69099    | Heavy Duty Rail Clamp    |
| 1 ea | 69703    | Small 5mm Nathanson Hool |
| 1 ea | 69704    | Med. 5mm Nathanson Hool  |
| 1 ea | 69705    | Large 5mm Nathanson Hool |
| l ea | 69706    | SS Instrument Holder     |
| 1 ea | 69707    | Delrin Scope Holder      |
|      |          |                          |

# SYSTEM NO. 73020-NLR

| 5mm System contains: |          |                           |
|----------------------|----------|---------------------------|
| Qty.                 | Ref. No. | Description/Size          |
| 1 ea                 | 73001    | Single Arm StrongArm      |
| 1 ea                 | 69099    | Heavy Duty Rail Clamp     |
| 1 ea                 | 69735    | Small 6.5mm Nathanson Hoo |
| 1 ea                 | 69736    | Med. 6.5mm Nathanson Hool |
| 1 ea                 | 69737    | Large 6.5mm Nathanson Hoo |
| l ea                 | 69706    | SS Instrument Holder      |
| l ea                 | 69707    | Delrin Scope Holder       |

# NATHANSON FLEX ARM<sup>™</sup> SYSTEMS

The Systems below features Ref. No. 69702 Long Reach Flex Arm Holder and Positioner along with 3 Nathanson Hooks and 2 Instruments Tips. The Hooks and Tips each feature The Mediflex Hexagonal Fitting that allows them to be easily attached to and removed from any Mediflex Surgical Holder and Positioner that has the Quick Disconnect Feature. These Systems are suggested for G.E.R.D Procedures such as Nissan Fundoplication.

# 5m Qt 1е 1 e 1 e 1е 1 e 1 ea 69707 Delrin Scope Holder

Nathanson-Flex Arm Systems all contain an Arm, 3 hooks and 2 scope/instrument tips. Shown here is Ref. No. 69701.

#### SYSTEM NO. 69701

| nm | n System contains: |                          |  |  |  |
|----|--------------------|--------------------------|--|--|--|
| y. | Ref. No.           | Description/Size         |  |  |  |
| ea | 69702              | Long Reach Flex Arm      |  |  |  |
| ea | 69703              | Small 5mm Nathanson Hook |  |  |  |
| ea | 69704              | Med. 5mm Nathanson Hook  |  |  |  |
| ea | 69705              | Large 5mm Nathanson Hook |  |  |  |
| ea | 69706              | SS Instrument Holder     |  |  |  |
|    |                    | a. 1.1. a. 1.1.1.1       |  |  |  |

#### SYSTEM NO. 69720

| 6.5mm System contains: |  |  |  |  |  |  |  |
|------------------------|--|--|--|--|--|--|--|
|                        |  |  |  |  |  |  |  |
|                        |  |  |  |  |  |  |  |
| on Hook                |  |  |  |  |  |  |  |
| on Hook                |  |  |  |  |  |  |  |
| on Hook                |  |  |  |  |  |  |  |
|                        |  |  |  |  |  |  |  |
|                        |  |  |  |  |  |  |  |
|                        |  |  |  |  |  |  |  |

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