Mediflex®
SURGICAL PRODUCTS

Holding Systems and Retraction Devices for Laparoscopic and Robotic-Assisted Surgery

MEDIFLEX®...REDEFINING RETRACTION

For over 50 years, Mediflex® has been designing and manufacturing uniquely engineered surgical devices used in operating rooms throughout the world. Working in close collaboration with world-renowned surgeons, Mediflex® has developed a wide range of devices which offer clinical efficiency while reducing staff and procedure time resulting in improved surgical outcomes.

First used in 1969 to hold a valve retractor in open heart surgery, our FlexArm™ holding system was introduced for gynecologic laparoscopy beginning in 1974. At that time, with no video available, the FlexArm™ was used to hold the scope for the surgeon while he used his hands to operate. Today, the benefits of using one or even two holding and positioning arms for scope, instrument and/or retractor holding remains - surgeons have greater control over their surgical environments, a steady image, and perform laparoscopic and robotic-assisted procedures more efficiently. Hospitals are able to reduce the surgical assisting staff and increase work-flow efficiency resulting in less operative time by using Mediflex® devices.

Mediflex® holding systems and retraction devices are recognized around the world by surgeons who have gained direct control over their camera and retractor positions while having two hands free to operate. Surgical administration and management appreciate the reduction in personnel during laparoscopic procedures which allows for more efficient utilization of staff and resources in the operating room.

In this catalog, we feature the widest variety of table mounted surgical holding systems, Nathanson Liver and Laparoscopic Retractors and innovative attachments on the market.
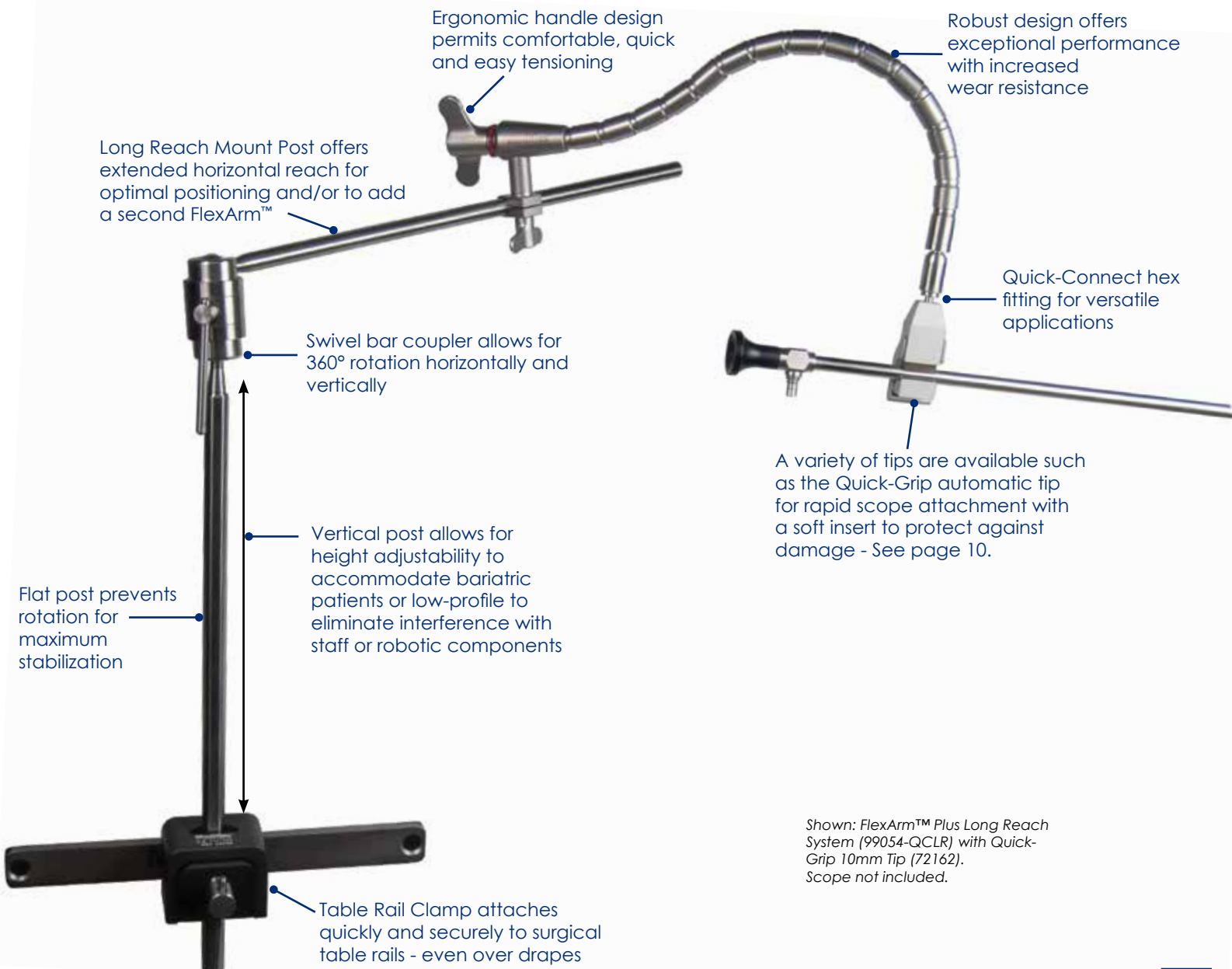
TABLE OF CONTENTS

FLEXARM™ PLUS HOLDING & POSITIONING SYSTEMS

The Universal FlexArm™ Plus Systems offer hands-free scope and/or instrument holding so the surgeon can focus on the procedure. The FlexArm™ provides unlimited positioning with rigid holding capability for static stabilization of instruments and anatomy – without the need for an assistant. Only FlexArm™ Plus allows for intra-operative adjustment without loosening the tension knob making repositioning of the scope or instrument quick and easy.

FlexArm™ Plus is commonly utilized in robotic-assisted surgery where static organ retraction is required — eliminating an assistant, as well as additional costly robotic components.

Features and Benefits

- Flexible positioning with adjustable rigidity
- Holds virtually any instrument, retractor or scope
- Arms lock with a single knob
- Complimentary to robotic-assisted surgery

- Available in a variety of configurations
- Simple, rapid set-up
- Attaches to the surgical table rail

Ergonomic handle design permits comfortable, quick and easy tensioning

Robust design offers exceptional performance with increased wear resistance

Long Reach Mount Post offers extended horizontal reach for optimal positioning and/or to add a second FlexArm™

Quick-Connect hex fitting for versatile applications

Swivel bar coupler allows for 360° rotation horizontally and vertically

A variety of tips are available such as the Quick-Grip automatic tip for rapid scope attachment with a soft insert to protect against damage - See page 10.

Vertical post allows for height adjustability to accommodate bariatric patients or low-profile to eliminate interference with staff or robotic components

Flat post prevents rotation for maximum stabilization

Shown: FlexArm™ Plus Long Reach System (99054-QCLR) with Quick-Grip 10mm Tip (72162). Scope not included.

Table Rail Clamp attaches quickly and securely to surgical table rails - even over drapes

UNIVERSAL FLEXARM™ PLUS SYSTEMS

LONG REACH FLEXARM™ PLUS SYSTEMS

Shown: Long Reach FlexArm™ Plus System Ref. No. 99054-QCLR

Height adjustable vertical post

Dimensions:
Post Height (A to B) - 2 to 16" (5.1 - 40.6cm)
Horizontal Reach (B to C) - 19" (48.2cm)
Flexible Reach (D to E) - 16.5" (41.9cm)
Note: Tips will add approx. 3" (7.6cm) to arm length

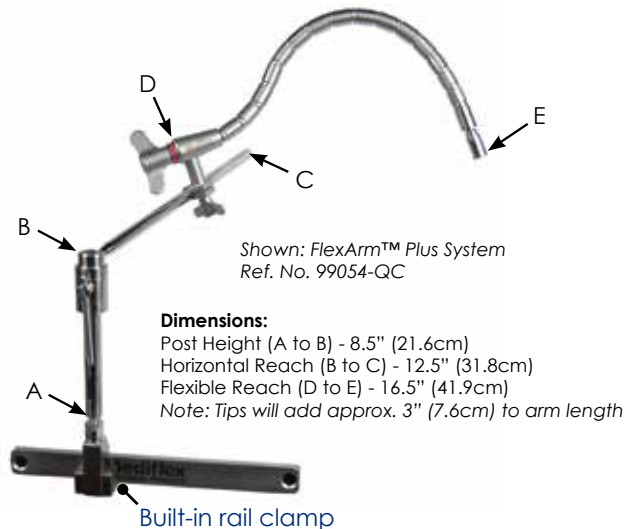*Shown: Long Reach Twin FlexArm™ Plus System Ref. No. 99055-QCLR*

Includes Long Reach Swivel Bar Mount Post (69098),
Table Rail Clamp (69099) and FlexArm™ Plus Companion Arm

FLEXARM™ CONFIGURATIONS	SINGLE ARM REF. NO.	TWIN ARM REF. NO.
Quick-Connect Hex Fitting*	99054-QCLR	99055-QCLR
Fixed Stainless Steel Tip	99054-LR	99055-LR
Fixed Delrin Tip	99054-DLR	99055-DLR
1 ea. Fixed Stainless Steel and Delrin Tip	N/A	99055-DSLR

FLEXARM™ TIP CONFIGURATIONS	
	Quick-Connect Tip*
	Fixed Stainless Steel Tip
	Fixed Delrin Tip

*See page 10 for Holding Tip accessories

STANDARD REACH FLEXARM™ PLUS SYSTEMS

Shown: FlexArm™ Plus System Ref. No. 99054-QC

Dimensions:
Post Height (A to B) - 8.5" (21.6cm)
Horizontal Reach (B to C) - 12.5" (31.8cm)
Flexible Reach (D to E) - 16.5" (41.9cm)
Note: Tips will add approx. 3" (7.6cm) to arm length

Built-in rail clamp

Includes Swivel Bar Mount Post (69053)
and FlexArm™ Plus Companion Arm

FLEXARM™ CONFIGURATIONS	SINGLE ARM REF. NO.
Quick-Connect Hex Fitting*	99054-QC
Fixed Stainless Steel Tip	99054
Fixed Delrin Tip	99054-D

*See page 10 for Holding Tip accessories

FLEXARM™ PLUS TWIN ARM LAPAROSCOPIC SYSTEM

The Twin FlexArm™ Plus System eliminates the need for up to two assistants - providing static scope and liver retraction for optimized surgical efficiency.

FlexArm™ Plus Twin Robotic / Laparoscopic System
Ref. No. 99000-R (System Includes:)

	REF. NO.	QTY.	DESCRIPTION
1	99056-QC	2	FlexArm™ Plus with Hex Fitting
2	69098	1	Long Reach Mount Post/Swivel Ball Assy.
3	69710-R9	1	6.5mm Robotic Hook Set - 1 ea. S,M,L
4	72162	1	Quick-Grip - 10mm Holding Tip
5	69099	1	Table Rail Clamp
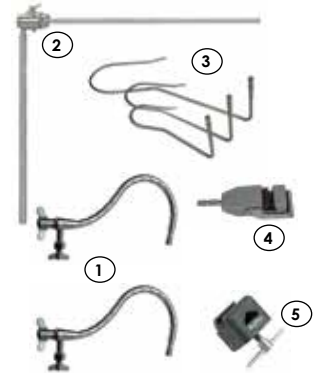
# FLEXARM™ PLUS COMPANION ARMS & MOUNTING ACCESSORIES

Individual FlexArm™ system components are available for expansion, upgrade or replacement of existing holding and positioning systems.

FlexArm™ Plus with Quick-Connect Hex Fitting*
Ref. No. 99056-QC

Fixed Stainless Steel Tip	Fixed Delrin Tip
REF. NO. 99056	REF. NO. 99056-D

FlexArm™ Plus with Distal Swivel Option, Quick-Connect Hex Fitting*
Ref. No. 99056-QC-BS01

Locking Knob
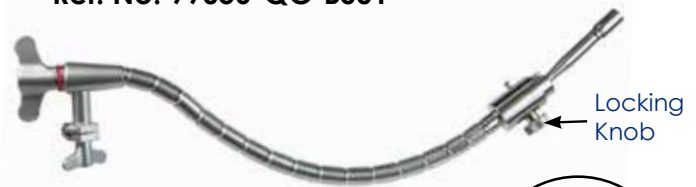
* See page 10 for Holding Tip accessories

The distal segment rotates through 360° with an end-angle position of ±90°

FLEXARM™ PLUS MOUNTING POSTS

Horizontal arm allows for Universal FlexArm™ mounting / positioning. Vertical post attaches a Rail Clamp or directly to surgical table rail.

Long Reach Swivel Ball Mount Post (requires Rail Clamp)
Ref. No. 69098
Upper Post is ½" (1.27cm) dia., 16.5" (41.9cm) long and rotates 360° horizontally and vertically. Vertical post is ⅝" (1.59cm) dia. x 17.3" (44.5cm) long and allows for height adjustability. Used with an Table Rail Clamp.

Swivel Ball Mount Post (with built-in rail clamp)
Ref. No. 69053
Upper Post is ½" (1.27cm) dia. 11.75" (29.8cm) long and rotates 360° horizontally and 180° vertically. Lower post is .7" (1.7cm) dia. x 4.3" (10.9cm) long.

TABLE ATTACHMENT

Table Rail Clamp
Ref. No. 69099
Features a spring loaded quick-mount. Accepts ⅝" (1.59cm) dia. posts. Fits all standard surgical table rails.

MONOLITHIC FLEXARM™ SYSTEMS

The Monolithic FlexArm™ Plus features a one-piece design with a built-in rail clamp which is easy to set-up and simple to use. The ergonomic drop-down slide handle automatically aligns parallel to the arm to prevent interference.

- Rapid set-up, easy to use
- Versatile for endoscope or instrument holding
- Available in standard and long reach lengths

Shown: 99045-QG10
(scope not included)

Drop down
slide handle

Built-in
rail clamp

Dimensions (see reference below):
Post Height (A to B) - 10.5" (26.6cm)
Flexible Arm (B to C) - 16" (40.6cm)
Note: Tips will add approx. 3" (7.6cm) to arm length

STANDARD MONOLITHIC FLEXARM™ PLUS

Quick-Connect Fitting*	Fixed Stainless Steel Tip	Fixed Delrin Tip
REF. NO. 99045-QC	**REF. NO. 99045**	**REF. NO. 99045-D**

QC Tip with 10mm Quick-Grip Tip	QC Tip with 5mm Quick-Grip Tip
REF. NO. 99045-QG10	**REF. NO. 99045-QG5**

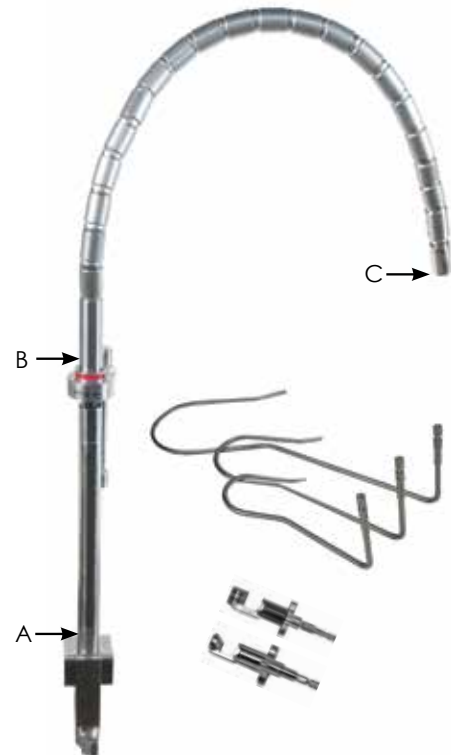* See page 10 for Holding Tip accessories

LONG REACH MONOLITHIC FLEXARM™ PLUS AND SYSTEMS

For Bariatric and GERD procedures, the Long Reach Monolithic FlexArm™ Plus coupled with a Nathanson Liver Retractor permits static, atraumatic retraction of the liver without the retractor sagging.

REF. NO.	DESCRIPTION/SYSTEM CONTENTS
99702	**Long Reach Monolithic FlexArm™ Plus** Quick-Connect Hex Fitting
	Nathanson Long Reach Monolithic Systems Includes: Long Reach Monolithic FlexArm™ (99702) Stainless Steel Tip (69706), Delrin Tip (69707) and Nathanson Liver Retractors (select set):
99701-R9	**5mm Robotic Retractor Set (69709-R9)**
99701	**5mm Standard Retractor Set (69709)***
99720-R9	**6.5mm Robotic Retractor Set (69710-R9)**
99720	**6.5mm Standard Retractor Set (69710)***

NOTE: See page 9 for a full list of Nathanson Liver Retractors

Dimensions:
Post Height (A to B) - 10.5" 26.6cm)
Flexible Arm (B to C) - 20" (50.8cm)
*Note: Tips will add approx. 3" (7.6cm) to arm length*

* - see Mediflex® website for details

The Bookler® Endoscopic FlexArm™ holder and positioner combines a 1" Field Post with a FlexArm™ Plus to provide an extremely versatile laparoscope or instrument holding device.

Allows for quick conversion of an endoscopic procedure to an open procedure - with the same Field Post and Post Coupler used in Mediflex® Bookler® or Universal Round Bar™ Table Mounted Retractor Systems.

Compete System (99190) with Quick-Grip Tip (72162). Sold separately. Scope not included.

See brochure

- Versatile endoscope and instrument holding device
- Expanded utility of Mediflex® retractor systems
- Multiple configurations to accommodate all surgical procedures
- Individual components offered to maximize flexibility and serviceability

6" (15.2cm)   19.1" (48.5cm)
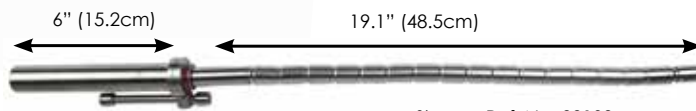
Shown: Ref. No. 99103

FLEXARM™ TIP CONFIGURATIONS	COMPLETE SYSTEMS 12" (30cm) Post (72011) Includes FlexArm™ and Post Coupler (72013)	COMPLETE SYSTEMS 18" (45cm) Post (72009) Includes FlexArm™ and Post Coupler (72013)	BOOKLER® FLEXARM™ (Only)
Quick-Connect Tip*	Ref. No. 99190	Ref. No. 99191	Ref. No. 99103
Fixed Stainless Steel Tip	Ref. No. 99105	Ref. No. 99095	Ref. No. 99051
Fixed Delrin Tip	Ref. No. 99106	Ref. No. 99096	Ref. No. 99029

*See page 10 for Holding Tip accessories

BOOKLER® ENDOSCOPIC SYSTEM COMPONENTS

Field Posts

Ref. No. 72011 – 12" x 1" (30cm x 2.5cm)
Ref. No. 72009 – 18" x 1" (45cm x 2.5cm)

Post Couplers

Ref. No. 72013
1" x 1"
(2.5cm x 2.5cm)

Ref. No. 72013-C
Quick Lock
1" x 1"
(2.5cm x 2.5cm)

Vertical Extension Bar

Ref. No. 72014
12" x 1" (30cm x 2.5cm)

*Bookler® is a registered trademark of Flexbar® Machine Corporation.

STRONGARM™ HOLDING & POSITIONING SYSTEMS

Providing hands-free instrument, retractor, scope or accessory holding during all laparoscopic and robotic-assisted procedures for maximum surgical and operating room efficiency.

Features Universal 3-D Positioning in all Planes

Ergonomic tightening knob locks all three joints

Quick-Connect hex fitting accepts a variety of accessory tips and Nathanson Hooks

Top-Mount version provides rotation 360° in horizontal plane

Vertical post offers height adjustability

Table Rail Clamp provides secure stabilization and prevents rotation of post

VERSATILITY
Provides versatile placement and rigid holding capacity of virtually any instrument, retractor, scope or accessory. An assortment of Holding Tips and Attachments (see pages 9 & 10) offer extensive options for expanded applications.

EFFICIENCY
Having a completely static image provides better visualization to reduce procedure time. Retraction is constant, resulting in superior exposure with less trauma to organs and other tissue. Staff and residents can focus on other tasks or learning.

SIMPLICITY
Simple and rapid set-up as the Table Rail Clamp attaches to the surgical table rail over sterile drapes and offers height adjustability of the arm. Multi-directional arms lock tight with a single, ergonomic knob.

VARIETY OF CONFIGURATIONS
Available in a variety of configurations to accommodate any surgical requirement including:
- Single Arm for retraction instrument or scope holding
- Twin Arm for maximum efficiency holding both a retraction instrument and scope
- Top-Mount for greater height and reach for bariatrics
- Front-Mount for most standard operations
- Short Distal Arm for specific procedures, pediatrics or small incision surgery

All StrongArm™ Systems include the quick-connect hex fitting and height adjustable vertical post. StrongArms are available with or without Table Rail Clamp (69099). See page 10 for holding tips and page 9 for Nathanson Liver Retractors.
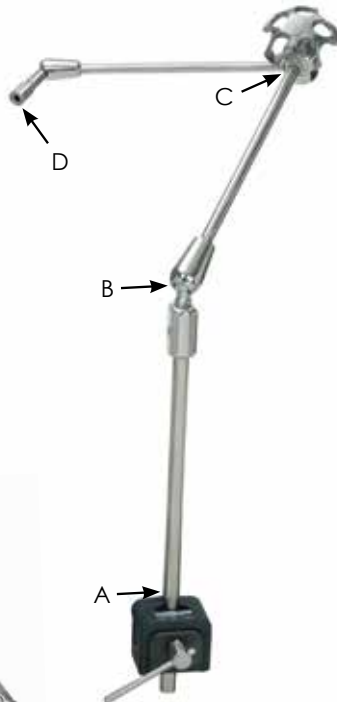
Top-Mount Systems

Features 360° rotation in the horizontal plane

Ref. No. 73000-TM
Includes Rail Clamp (69099)

Ref. No. 73001-TM
Without Rail Clamp

Front-Mount Systems

Ref. No. 73000
Includes Rail Clamp (69099)

Ref. No. 73001
Without Rail Clamp

Front-Mount Extended Post Systems

Ref. No. 73000-LP
Includes Rail Clamp (69099)

Ref. No. 73001-LP
Without Rail Clamp

Short Distal Arm Systems

Ref. No. 73000-SA
Includes Rail Clamp (69099)

Ref. No. 73001-SA
Without Rail Clamp

Short Distal Arm Curved Post Systems

Features 360° rotation in the horizontal plane

Ref. No. 73002
Includes Rail Clamp (69099)

Ref. No. 73002-NC
Without Rail Clamp

STRONGARM™ SEGMENT DIMENSIONS						
	REF. NO. 73000/73000-LP	**REF. NO. 73000-TM**	**REF. NO. 73000-SA**	**REF. NO. 73002**	**REF. NO. 73010/73012**	**REF. NO. 99040***
A - B Post Height Adjustable Range	**73000:** 16" (40.6cm) 3.5-11.5" (9-29cm) **73000-LP:** 23" (58.4cm) 3.5-19" (9-48cm)	22.5" (57cm) 3.5-19" (9-48cm)	16" (40.6cm) 3.5-11.5" (9-29cm)	16" (40.6cm) 3.5-11.5" (9-29cm) Curved Post (horizontal portion) 6.5" (16.5cm)	15" (38.1cm) 3.5-11.5" (9-29cm)	15" (38.1cm) 3.5 - 11.5" (9-29cm)
B - C Mid-Segment	11.5" (29cm)	11.5" (29cm)	11.5" (29cm)	11.5" (29cm)	11.5" (29cm)	StrongArm™: 11.5" (29cm) FlexArm™ post: 13" (33cm)
C - D* End Segment	12.5" (31.8cm)	12.5" (31.8cm)	8" (20.3cm)	8" (20.3cm)	12.5" (31.8cm)	StrongArm™: 12.5" (31.8cm) FlexArm™: 17.5" (44.5cm)

*see page 8

STRONGARM™ TWIN / COMBO SYSTEMS

All StrongArm™ Twin/Combo Arm Systems include the quick-connect hex fitting and height adjustable vertical post. StrongArms are available with or without Table Rail Clamp (69099) as noted. See page 10 for tips and page 9 for Nathanson Liver Retractors.

Twin StrongArm™ Systems

StrongArm™ FlexArm™ Combo System

Ref. No. 73010
Includes Rail Clamp (69099)

Ref. No. 73012
Without Rail Clamp

Ref. No. 99040
Includes Rail Clamp (69099)

See page 7 for system dimensions

StrongArm™ provides rigid holding of a Nathanson Liver Retractor - FlexArm™ provides static scope holding and allows for intraoperative adjustments.

STRONGARM™ NATHANSON SYSTEMS

StrongArm™ Nathanson Liver Retraction Systems provide a variety of components to offer versatility for different procedures performed requiring liver retraction and/or static scope holding. The systems include Top-Mounted StrongArm™ Systems with quick-connect hex fitting along with three Robotic Nathanson Retractors, Stainless Steel Tip for holding instruments, Delrin Tip for holding endoscopes, and a Table Rail Clamp.

- Useful in robotic-assisted, bariatric and GERD procedures
- Eliminates the need of assistant to hold the liver retractor
- Hexagonal lock prevents retractor slippage and rotation

NATHANSON STRONGARM™ COMPLETE SYSTEMS* INCLUDE:

73005-NLR-R9	**Arm:** Top-Mount StrongArm™ with Quick-Connect Tip (73001-TM), Rail Clamp (69099) **Robotic Nathanson Retractors:** 5mm Set (69709-R9- see page 9) **Tips:** Stainless Steel Instrument Tip (69706), Delrin Scope Tip (69707)
73025-NLR-R9	**Arm:** Top-Mount StrongArm™ with Quick-Connect Tip (73001-TM), Rail Clamp (69099) **Robotic Nathanson Retractors:** 6.5mm Set (69710-R9 - see page 9) **Tips:** Stainless Steel Instrument Tip (69706), Delrin Scope Tip (69707)
73020-XL-R9	**Arm:** Top-Mount StrongArm™ with Quick-Connect Tip (73001-TM), Rail Clamp (69099) **Robotic Nathanson Retractors:** 6.5mm Small (69735-R9), Med XL (69736-XL-R9), Lg XL (69737-XL-R9) **Tips:** Stainless Steel Instrument Tip (69706), Delrin Scope Tip (69707)

*Also available: Nathanson StrongArm™ complete systems with standard hooks - see www.mediflex.com

NATHANSON LIVER RETRACTORS

Nathanson Liver Retractors from Mediflex® have proven to be ideal for laparoscopic liver retraction as they support the entire left liver lobe to provide atraumatic exposure. The retractors feature a hexagonal proximal end which fits securely into the quick-connect hex fitting of all Mediflex® FlexArms and StrongArms. Only Mediflex® offers a line of Robotic Nathanson retractors - specially designed to eliminate interference with robotic arm movement.

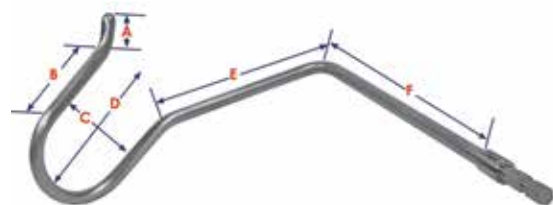*Robotic Nathanson Retractors*
to prevent robotic arm interference

Shown: Ref. No. 69736-XL-R9

- Widest variety on the market
- Used in Upper GI, Bariatric and GERD procedures
- Eliminates the need for an assistant to hold the liver retractor
- Reduced trauma compared to hand-held
- Hexagonal lock eliminates retractor slippage and rotation
- Versions with extended distal tips for thicker abdominal walls
- 3 different diameter options - 3mm, 5mm and 6.5mm
- Full range of robotic retractors available

See brochure

INDIVIDUAL NATHANSON RETRACTORS

	REF. NO.	DIA. (mm)	Size	A	B	C	D	E	F
ROBOTIC	69703-R9	5.0	Small	.5" (1.3cm)	1.5" (3.8cm)	1.6"(4.1cm)	2.3"(5.8cm)	3.5" (8.9cm)	2" (5.1cm)
	69735-R9	6.5	Small	.5" (1.3cm)	1.5" (3.8cm)	1.6"(4.1cm)	2.3"(5.8cm)	3.5" (8.9cm)	2" (5.1cm)
	69704-R9	5.0	Medium	1" (2.5cm)	2" (5.1cm)	2.2"(5.6cm)	3.1" (7.9cm)	5" (12.7cm)	2" (5.1cm)
	69736-R9	6.5	Medium	1" (2.5cm)	2" (5.1cm)	2.2"(5.6cm)	3.1" (7.9cm)	5" (12.7cm)	2" (5.1cm)
	69736-XL-R9	6.5	Medium	1.7" (4.3cm)	2" (5.1cm)	2.2"(5.6cm)	3.1" (7.9cm)	5" (12.7cm)	2" (5.1cm)
	69705-R9	5.0	Large	1.5" (3.8cm)	3" (7.6cm)	3" (7.6cm)	4.5" (11.4cm)	7" (17.8cm)	2" (5.1cm)
	69737-R9	6.5	Large	1.5" (3.8cm)	3" (7.6cm)	3" (7.6cm)	4.5" (11.4cm)	7" (17.8cm)	2" (5.1cm)
	69737-XL-R9	6.5	Large	2.2"(5.6cm)	3" (7.6cm)	3" (7.6cm)	4.5" (11.4cm)	7" (17.8cm)	2" (5.1cm)
STANDARD	69738-3	3.0	Ex-Small	.3" (.76cm)	.6" (1.5cm)	.6" (1.5cm)	1" (2.5cm)	1.5" (3.8cm)	3.7" (9.4cm)
	69738	5.0	Ex-Small	.5" (1.3cm)	.9" (2.3cm)	.9" (2.3cm)	1.8" (4.6cm)	2" (5.1cm)	5.5" (14cm)
	69735-3	3.0	Small	.5" (1.3cm)	1.5" (3.8cm)	1.6"(4.1cm)	2.3"(5.8cm)	3.5" (8.9cm)	5.5"(14cm)
	69703	5.0	Small	.5" (1.3cm)	1.5" (3.8cm)	1.6" (4.1cm)	2.3" (5.8cm)	3.5" (8.9cm)	5.5" (14cm)
	69735	6.5	Small	.5" (1.3cm)	1.5" (3.8cm)	1.6" (4.1cm)	2.3" (5.8cm)	3.5" (8.9cm)	5.5" (14cm)
	69735-XL	6.5	Small	1.6" (4.1cm)	1.5" (3.8cm)	1.6" (4.1cm)	2.3" (5.8cm)	3.5" (8.9cm)	5.5" (14cm)
	69704-3	3.0	Medium	1" (2.5cm)	2" (5.1cm)	2.2"(5.6cm)	3.1" (7.9cm)	5" (12.7cm)	7.5" (19.1cm)
	69704	5.0	Medium	1" (2.5cm)	2" (5.1cm)	2.2"(5.6cm)	3.1" (7.9cm)	5" (12.7cm)	7.5" (19.1cm)
	69736	6.5	Medium	1" (2.5cm)	2"(5.1cm)	2.2"(5.6cm)	3.1" (7.9cm)	5" (12.7cm)	7.7" (19.6cm)
	69736-XL	6.5	Medium	1.7" (4.3cm)	2" (5.1cm)	2.2"(5.6cm)	3.1" (7.9cm)	5" (12.7cm)	7.7" (19.6cm)
	69705	5.0	Large	1.5" (3.8cm)	3" (7.6cm)	3" (7.6cm)	4.5" (11.4cm)	7" (17.8cm)	10.7" (27.2cm)
	69737	6.5	Large	1.5" (3.8cm)	3" (7.6cm)	3" (7.6cm)	4.5"(11.4cm)	7" (17.8cm)	10.7"(27.2cm)
	69737-XL	6.5	Large	2.2"(5.6cm)	3"(7.6cm)	3" (7.6cm)	4.5"(11.4cm)	7" (17.8cm)	10.7" (27.2cm)

ROBOTIC NATHANSON RETRACTOR SETS*

REF. NO.	DIA.	SET CONTENTS (1 EA)
69709-R9	5mm	Small (69703-R9), Medium (69704-R9), Large (69705-R9)
69710-R9	6.5mm	Small (69735-R9), Medium (69736-R9), Large (69737-R9)

* additional sets available with standard length hooks on www.mediflex.com

HOLDING TIPS & ACCESSORIES

ADJUSTABLE HOLDING TIPS

Allows for manual clamping adjustment to hold instruments and/or scopes of varying sizes

Stainless Steel Tip
Ref. No. 69706
Holding capacity: 3.5-15mm
Provides secure holding of metal instrument shafts

Delrin Tip
Ref. No. 69707
Holding capacity: 1.5-15mm
Gentle contact to hold scopes

XL Stainless Steel Tip
Ref. No. 69706-L
Holding capacity: 5-31.75mm
Wide opening to facilitate large tubing or odd shaped devices

AUTOMATIC HOLDING TIPS

Safely and quickly secures endoscopes - atraumatic jaws will not cause damage

Quick-Grip Tip, 10mm
Ref. No. 72162
Holding capacity: 10mm

Quick-Grip Tip, 5mm
Ref. No. 72163
Holding capacity: 5mm

Quick-Grip Tip, 4mm
Ref. No. 72164
Holding capacity: 4mm

FLEXIBLE SCOPE TIP

Provides stabilization of flexible scopes of various configurations

Flexible Scope Tip
Ref. No. 99706
Holding capacity: 35.5mm

Flexible Scope Tip innovative design incorporates replaceable Silicone Liners for scope protection and increased grip strength. (Silicone Liners sold separately)

Silicone Liners
Ref. No. 99706-SL
Reusable, 4 per Pk

TABLE ATTACHMENT DEVICES

Attachments to standard surgical table rails

Table Rail Clamp
Ref. No. 69099
Features a spring loaded quick-mount. Accepts ⅝" (1.59cm) dia. posts

Clark Socket Clamp
Ref. No. 91187
Allows for adjustable angles of vertical post positioning. Accepts ⅝" (1.59cm) dia. posts

Rail Segment Clamp
Ref. No. 38111
For squared-off imaging tables without rails. Fits on tables up to 1.5" (3.8cm) thick

Rail Clamp Adapter
Ref. No. 72225
Allows all Mediflex® Rail Clamps to fit oversized table rails such as Jackson Table

LAPRO-FLEX® ARTICULATING RETRACTORS

Mediflex's Lapro-Flex® self-forming articulating retractors allow for convenient and atraumatic retraction of organs and structures in the peritoneal space. These retractors can be introduced through a 5mm cannula and articulated to their shape by rotating a knob in the handle. They are available in several different configurations including right angle, triangular and angled triangular.
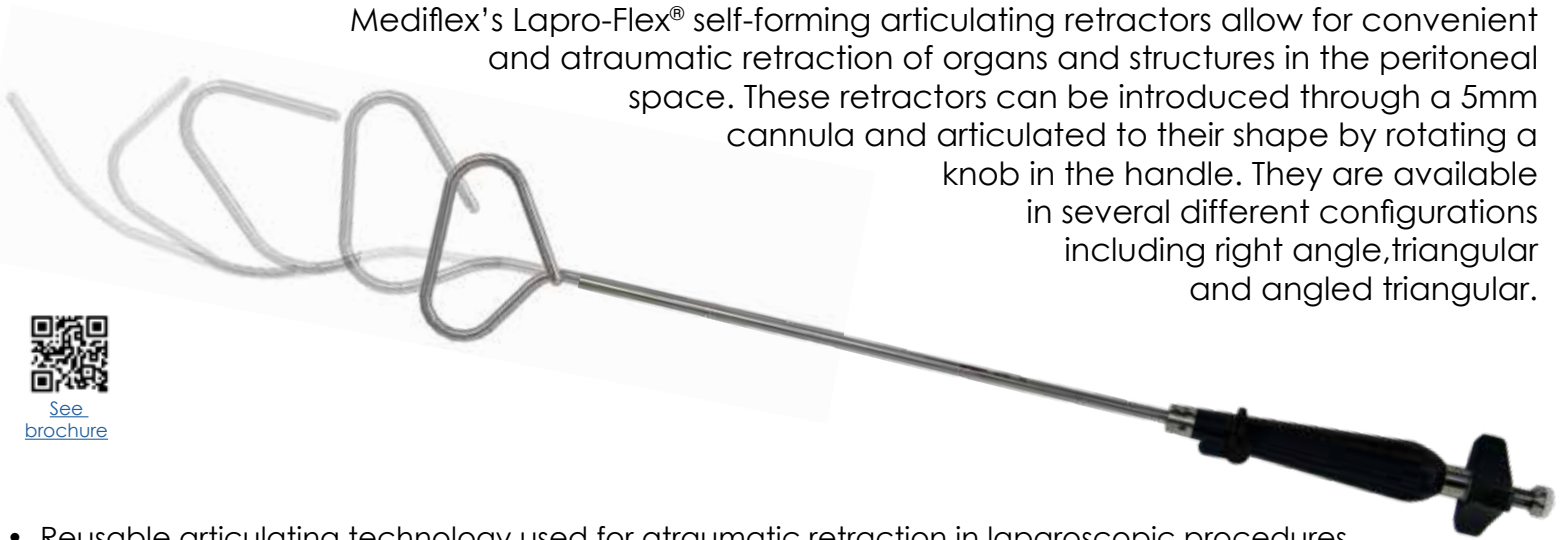
See brochure

- Reusable articulating technology used for atraumatic retraction in laparoscopic procedures
- Actuating knob quickly forms shape completely
- Finger style model ideal for esophageal and renal hilum retraction
- Innovative tip design ensures minimal space is required inside the abdomen to form the retractor shape
- Held by a FlexArm™ Plus or StrongArm™ to eliminate an assistant dedicated to retraction

Available in Straight or Angled Base* Styles:

FINGER STYLE	60mm TRIANGLE STYLE	80mm TRIANGLE STYLE

Ref. No. 91680
90 Degrees Articulation
5mm x 38cm

Ref. No. 91682
60mm Base - 5mm x 32cm
Ref. No. 91682-A
60mm Angled Base - 5mm x 32cm

Ref. No. 91683
80mm Base - 5mm x 32cm
Ref. No. 91683-A
80mm Angled Base - 5mm x 32cm

FlexArm™ Plus (99054-QCLR) with
Quick-Grip 5mm Tip (72163)
holding Lapro-Flex® (91683-A)
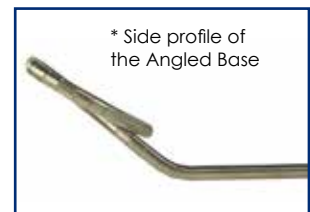
* Side profile of
the Angled Base

StrongArm™ (73000-TM) with
Stainless Steel Tip (69706)
holding Lapro-Flex® (91682)

*See Laparoscopic Instrument
Catalog or website for a
complete line of instruments*

See Catalog

LAPAROSCOPIC RETRACTION INSTRUMENTS

A variety of laparosopic retraction instruments are available to achieve optimum exposure.

KITE STYLE FAN RETRACTORS

Ref. No. 91670
Straight Kite Retractor
5mm x 33cm

Ref. No. 91675
Curved Kite Retractor
5mm x 33cm

ARTICULATING FAN RETRACTORS WITH FLUSH PORT

Ref. No. 91671
5mm x 33cm* Articulating Fan Retractor,
3 Blades with Flush Port

Ref. No. 91672
10mm x 34cm* Articulating Fan Retractor,
5 Blades with Flush Port

* Total length including fan

STERILIZATION TRAYS & CONTAINERS

Wrapable, multi-use Sterilization Trays are available for Mediflex® holding systems and accessories.

Ref. No. 69760 - Standard Tray
22.7" x 10.6" x 4.7" (57.6cm x 26.9cm x 11.9cm)

Ref. No. 69760-M - Silicone Mat
Fits Sterilization Tray 69760
20.3" x 9.5" (51.6cm x 24.1cm)

Ref. No. 69761 - Medium Tray
26.7" x 11" x 6" (67.8cm x 27.9cm x 15.2cm)

Ref. No. 69762 - Extra Long Tray
31" x 11" x 6" (78.7cm x 27.9cm x 15.2cm)

Sterilization Container Systems are available. www.mediflex.com

See Sterilization Tray Chart for compatibility with Mediflex® Holding Systems

ADDITIONAL INNOVATIVE PRODUCTS

Port-Free Internal Retractors
simple, hands-free retraction solution - sterile, disposable

Versa Lifter Band
for liver retraction

See
brochure

Versa Lifter Needle
*for dynamic or
static retraction*

See
brochure

TPEA Lifter
for static retraction

See
brochure

DynaTrac™ Retraction System
for superficial and deep retraction
requirements — with table mounted
stabilization

See
brochure

Liquid Scope Warmer
for rapid and safe
prevention of scope
condensation

See
brochure

Patented SafePass™
Suture Grasper
to protect patients
against needle injury

See
brochure

NUMERICAL INDEX

REF. NO.	PAGE	REF. NO.	PAGE	REF. NO.	PAGE	REF. NO.	PAGE	REF. NO.	PAGE
38111	10	69736-R9	9	72225	10	91680	11	99055-DLSR	2
69053	3	69736-XL	9	73000	7	91682	11	99055-LR	2
69098	3	69736-XL-R9	9	73000-LP	7	91682-A	11	99055-QCLR	2
69099	3,10	69737	9	73000-SA	7	91683	11	99056	3
69703	9	69737-R9	9	73000-TM	7	91683-A	11	99056-D	3
69703-R9	9	69737-XL	9	73001	7	99000-R	3	99056-QC	3
69704	9	69737-XL-R9	9	73001-LP	7	99029	5	99056-QC-BS01	3
69704-3	9	69738	9	73001-SA	7	99040	7,8	99095	5
69704-R9	9	69738-3	9	73001-TM	7	99045	4	99096	5
69705	9	69760	12	73002	7	99045-D	4	99103	5
69705-R9	9	69760-M	12	73002-NC	7	99045-QC	4	99105	5
69706	10	69761	12	73005-NLR-R9	8	99045-QG5	4	99106	5
69706-L	10	69762	12	73010	7,8	99045-QG10	4	99190	5
69707	10	72009	5	73012	7,8	99051	5	99191	5
69709-R9	4,9	72011	5	73020-XL-R9	8	99054	2	99701	4
69710-R9	3,4,9	72013	5	73025-NLR-R9	8	99054-D	2	99701-R9	4
69735	9	72013-C	5	91187	10	99054-DLR	2	99702	4
69735-3	9	72014	5	91670	12	99054-LR	2	99706	10
69735-R9	9	72162	3,10	91671	12	99054-QC	2	99706-SL	10
69735-XL	9	72163	10	91672	12	99054-QCLR	2	99720	4
69736	9	72164	10	91675	12	99055-DLR	2	99720-R9	4

Mediflex®
SURGICAL PRODUCTS

Mediflex® Surgical Products -
a Division of Flexbar® Machine Corp.
250 Gibbs Road
Islandia, New York 11749

Phone: +1.631.582.6424
Toll-Free (USA): 1.800.764.0474
Fax: +1.631.582.4520
Email: info@mediflex.com

www.mediflex.com