



Mediflex[®]

SURGICAL PRODUCTS

Retractor Products

MEDIFLEX® THE SURGICAL INNOVATION COMPANY™

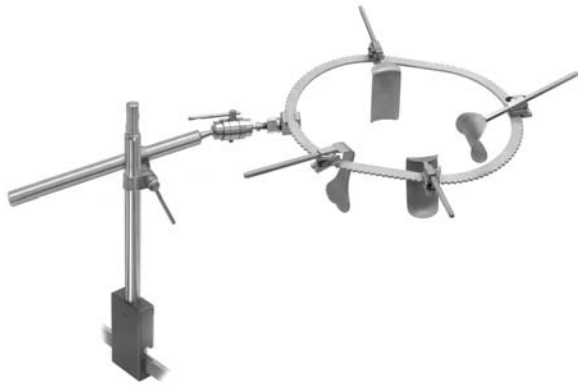
For nearly 40 years, Mediflex has led the way in designing and manufacturing uniquely engineered products used in Operating Rooms around the world. Through our collaboration with world-famous surgeons such as John Bookwalter, M.D., Mel Greenberg, M.D. and others, Mediflex has been able to

offer surgeons cutting edge surgical devices which, until recently, had been marketed only through large corporate distribution channels.

In this, our Open Surgery Catalog, we feature the largest variety of Table Mounted Retractor Systems available in the world today. Included is our expanded line of Bookler® Table Mounted Retractor Systems which provides the widest range of Bookwalter™ compatible products available.

Recently we recognized a need by surgeons

performing small incision and neonatal surgery for a table mounted system that provides the same benefits to them that Dr. Bookwalter's original designs did for abdominal surgeons. By combining Dr. Bookwalter's original concepts with other Mediflex innovations, we are proud to offer the Mini-Bookler® Table Mounted Retractor System. Introduced in early 2008, the system has been adopted by Pediatric, Vascular, Breast, Hand, Head and Neck, and other surgeons world-wide.



(Top) Original Bookler
Tilt Ratchet and Blade
(Bottom) Mini-Bookler
Tilt Ratchet and Blade

Also included in this catalog is the Mediflex® Universal Round Bar Table Mounted Retractor System. We now offer the system with an expanded range of swivel-style retractor blades and a newly designed quick locking Snap Clamp which allows the surgeon to quickly affix retractor blades to the frame.

Finally, we offer 2 versions of Davida™ Neurosurgical Retractor Systems. One is the Stainless Steel System as designed by Dr. Mel Greenberg and Mediflex Founder David Adler, the second is a Titanium version of the system that can be used with intraoperative MRI.



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Mediflex® Universal Round Bar Table Mounted Retractor Systems

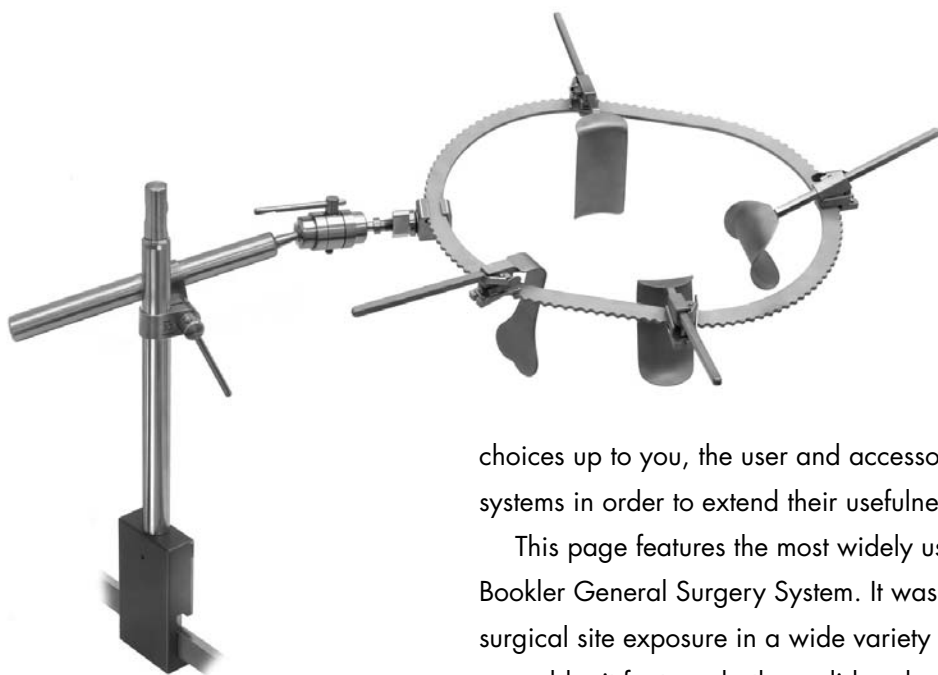
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THE ORIGINAL BOOKLER® GENERAL SURGERY SYSTEM



The Bookler Table Mounted Retractor Product Line is made up of well over 100 different items. To help you decide what is necessary we have a number of pre-configured sets. These sets can be in one of three forms: a complete system for a specific specialty, a starter system that includes all of the mounting hardware but leaves the blade

choices up to you, the user and accessory sets that can be added to complete systems in order to extend their usefulness.

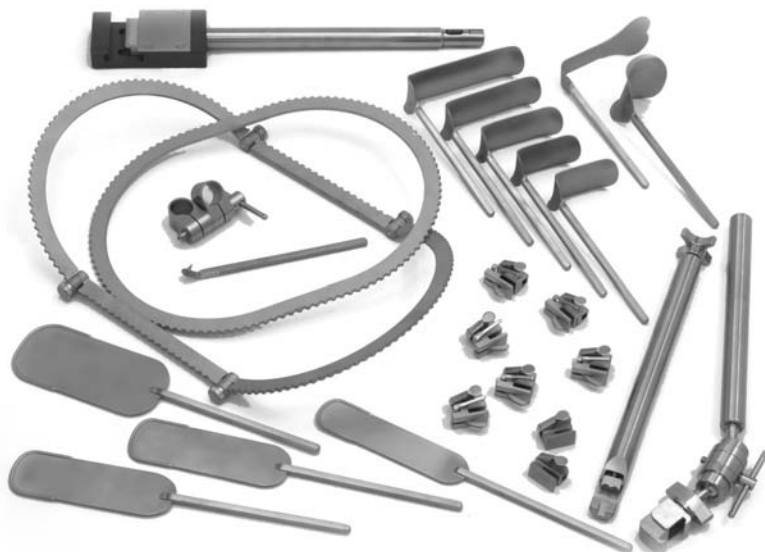
This page features the most widely used of all the Bookler Systems... The Bookler General Surgery System. It was designed to provide multi-directional surgical site exposure in a wide variety of abdominal procedures. Easy to assemble, it features both a solid and a segmented ring, two types of horizontal bars, tilting and non-tilting ratchets and a wide variety of general surgery blades, both rigid and malleable. Its use can be easily expanded by adding one or more of the Bookler Accessory Kits as seen elsewhere in this catalog. Other components such as the blade extender, twist ratchet or different blade sizes can be added to satisfy the needs of specific surgeons or procedures.

"Mediflex's dedication to product innovation, design and quality offers a continuously expanding choice of tools for today's most challenging surgical demands."

John R. Bookwalter, M.D., F.A.C.S.

■ SYSTEM NO. 72000

Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post, 12"
1 ea	72012	Horizontal Bar
1 ea	72013	Post Coupling
1 ea	72028	Horizontal Flex Bar
2 ea	72025	Ratchet Mechanism
6 ea	72026	Tilt Ratchet Mechanism
1 ea	72036	Ring, Oval, Medium, 10½" x 14½"
1 ea	72027	Ring, Segmented, Medium, 10½" x 19"
1 ea	72018	Blade, Balfour, 2 5/8" x 3"
2 ea	72016	Blade, Kelly, 2" x 3"
1 ea	72017	Blade, Kelly, 2" x 4"
1 ea	72021	Blade, Kelly, 2" x 5"
1 ea	72022	Blade, Kelly, 2" x 6"
1 ea	72023	Blade, Harrington, 1" x 5 5/8"
1 ea	72024	Blade, Gelpi
1 ea	72020	Blade, Malleable, 3" x 6"
2 ea	72015	Blade, Malleable, 2" x 6"
1 ea	72019	Blade, Malleable, 1½" x 6"



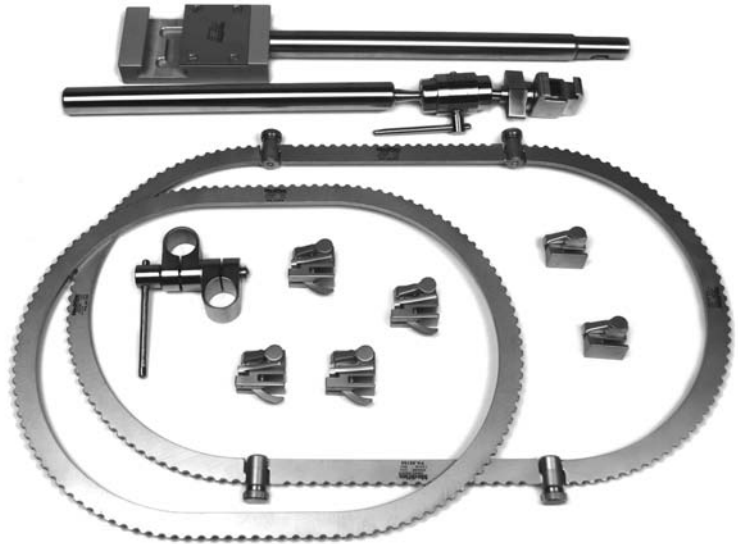
The systems shown on this page are designed to provide you with the mounting hardware and rings needed to build a complete system. Just add the retractor blades required and you have a completed customized system.

BASIC STARTER SYSTEM

■ SYSTEM NO. 72000-B

The Bookler General Surgery Basic Starter System is the perfect way to begin a customized table mounted system. It features both a solid and a segmented ring, 12" field post, coupler, a horizontal Flex Bar and six tilt ratchets. Simply add the blades needed for specific surgeons or specific procedures.

Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post, 12"
1 ea	72013	Post Coupling
1 ea	72028	Horizontal Flex Bar
2 ea	72025	Ratchet Mechanism
4 ea	72026	Tilt Ratchet Mechanism
1 ea	72027	Ring, Segmented, Medium, 10½" x 19"
1 ea	72036	Ring, Oval, Medium, 10½" x 14½"

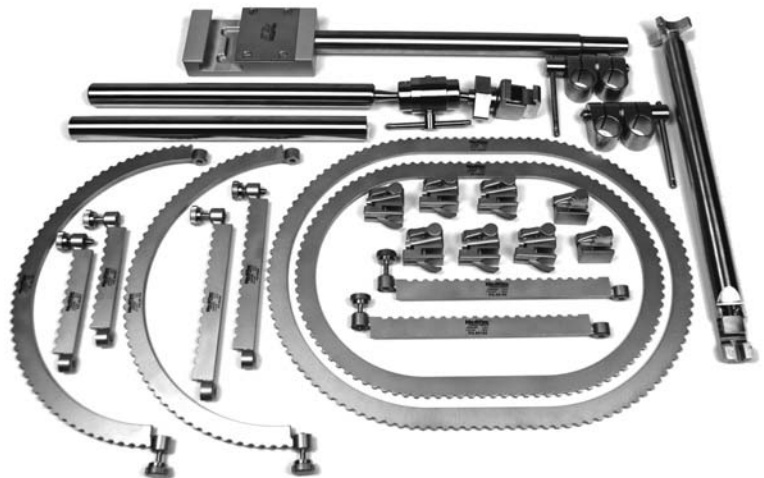


DELUXE STARTER SYSTEM

■ CATALOG # 72000-D

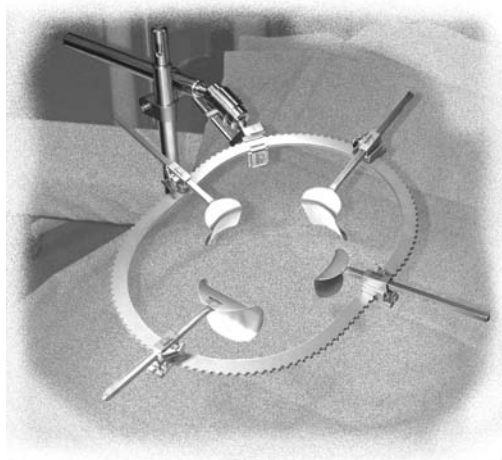
The Bookler General Surgery Deluxe Starter System allows for a tremendous variety of procedures. In addition to the 12" Table post with one Coupler, a 12" Vertical Extension Bar and extra coupler are included. The extension bar provides additional height or reach when working with Bariatric Patients. The set has a Standard Horizontal Bar and a Horizontal Flex Bar for more challenging positions. Two sizes of solid rings and the components to make at least 4 sizes of segmented ring are included. Six Tilt Ratchets and 2 Standard Ratchets complete the Set.

Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post, 12"
1 ea	72012	Horizontal Bar
2 ea	72013	Post Coupling
1 ea	72014	Vertical Extension Bar, 12"
1 ea	72028	Horizontal Flex Bar
2 ea	72025	Ratchet Mechanism
6 ea	72026	Tilt Ratchet Mechanism
1 ea	72035	Ring, Oval, Small, 8" x 12½"
1 ea	72036	Ring, Oval, Medium, 10½" x 14½"
1 pr	69196	Medium, Half Circle Segments, Ø10½"
1 pr	69261	Straight Segments, 4"
1 pr	69266	Straight Segments, 6"
1 pr	69195	Straight Segments, 8"

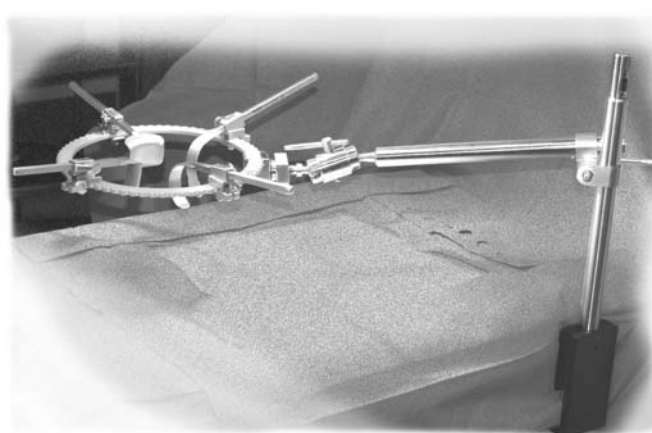


See component pages, 11–18, for all metric equivalents.

SET-UP TIPS FOR SPECIFIC INCISION SITES



Here is a possible set-up for an Upper Abdominal Mid Line or Paramedian Incision. Assumes Lead Surgeon is on Patient's left. Note that table post is at the axilla. This minimizes interference with the assistant.



A set-up for a McBurney Incision - usually an open appendectomy. The table post is set up on the patient's left as the lead surgeon would be on the right. Keeping the post at the axilla provides unencumbered space for the assistant. Usually a small round ring is used.



■ Segmented Rings also allow changing the sizes of the ring. If the Straight Segments are removed, you will have a circular ring. Oval Rings of various lengths are made by using one or more of the 4", 6" or 8" (10cm, 15cm or 20cm) Straight Segments.

SOME OF DR. BOOKWALTER'S TIPS IN SETTING UP THE SYSTEM:

- Center the ring over the operative site, not necessarily the incision
- Keep the ring 1" to 1½" (2.5 - 3.8cm) above the skin. This prevents pinching the skin when the blades are tilted
- Always use the shallowest blades available that provide the visibility required
- Use moist lap sponges between the blades and the tissue they are retracting. In long procedures re-moisten the towels when dry.



■ Three Different Heights are available for the Field Post: 12", 18" and 24" (30cm, 45cm and 60cm). A newly modified Tightening Knob maintains the same diameter to the top and provides an additional 2" of usable height on each post. The 18" post is recommended if used with a pelvic ring that is mounted at the patient's hip. Bariatric Patients often require the 18" or 24" field post.

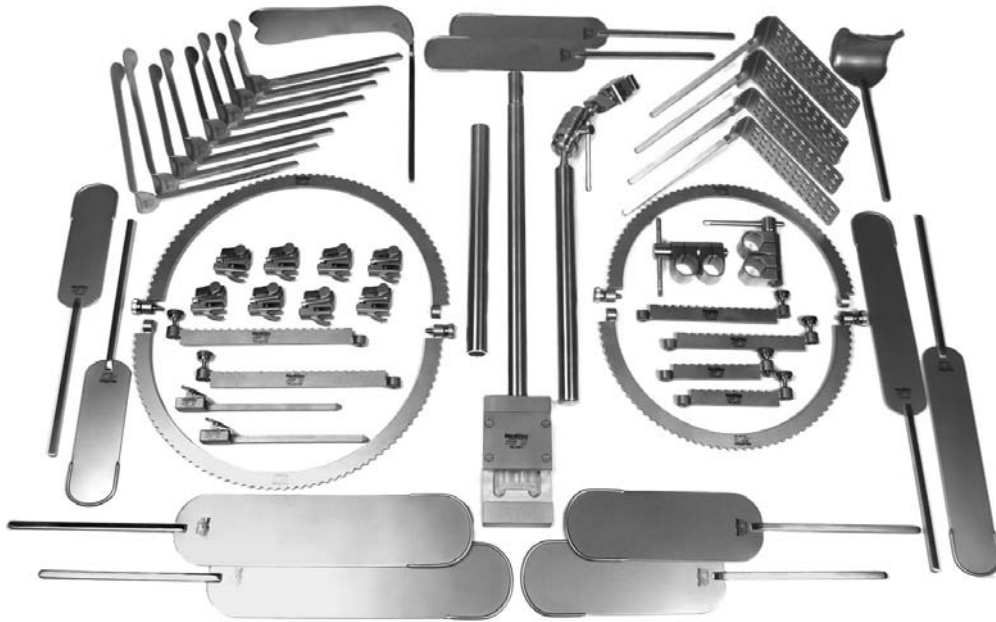


■ Field Posts can go over up to 2 layers of drapes, but do not place over blankets.

When performing any kind of surgery on patients with a high Body Mass Index, several changes to a table mounted system should be considered. A taller field post or a way to raise the ring higher should be employed. Larger rings may be needed, and blades with greater surface area should be employed for adequate retraction. Even in hospitals that don't perform "Bariatric" surgery, a 400 pound patient having a bowel resection requires bariatric instruments.

Mediflex gives you several options to consider:

DELUXE BARIATRIC SYSTEM WITH 18" (45cm) FIELD POST



■ SYSTEM NO. 72129-D18

Qty.	Ref. No.	Description/Size
1 ea	72009	Field Post, 18"
1 ea	72028	Horizontal Flex Bar
2 ea	72013	Post Coupling
1 ea	72014	Vertical Extension Bar
8 ea	72026	Tilt Ratchet Mechanism
2 ea	72114	Ratchet Extenders
1 ea	72038	Blade, Balfour, 3½" x 2¾"
2 ea	72062	Blade, Perf., "Big Boy", 2" x 6½"
2 ea	72063	Blade, Perf., "Big Boy", 3" x 6½"
1 ea	72081	Blade, Harrington, 2½" x 8"
1 pr	69196	Medium, Half Circle Segments, Ø10½"
1 pr	69262	Large, Half Circle Segments, Ø12½"
1 pr	69261	Straight Segments, 4"
1 pr	69266	Straight Segments, 6"
1 pr	69195	Straight Segments, 8"
2 ea	72017	Blade, Kelly, 2" x 4"
2 ea	72021	Blade, Kelly, 2" x 5"
2 ea	72022	Blade, Kelly, 2" x 6"
2 ea	72059	Blade, Kelly, 2" x 8"
2 ea	72015	Blade, Malleable, 2" x 6"
2 ea	72066	Blade, Malleable, 2" x 8"
2 ea	72056	Blade, Malleable, 2" x 10"
2 ea	72065	Blade, Malleable, 3" x 8"
2 ea	72053	Blade, Malleable, 3" x 12"

As the need for Bariatric Devices has grown in recent years, Mediflex has responded. The Deluxe Bookler Bariatric Surgery System is designed to provide virtually everything needed for abdominal procedures involving the obese patient. In addition to the 18" Table post with one Coupler, a 12" Vertical Extension Bar and extra coupler are included. The extension bar provides additional height or reach when needed. The set includes a Horizontal Flex Bar to allow easier manipulation of the ring position. The Half Circle and Straight ring segments can be mixed and matched to create at least 8 ring sizes and a virtually infinite number of shapes. Eight Tilt Ratchets and 2 Ratchet Extenders along with a wide variety of retractor blades are included. Keep in mind that any open procedure on an obese patient – not just surgery to treat obesity – would benefit from the use of a Bariatric System.

DELUXE BARIATRIC SYSTEM WITH 24" (60cm) FIELD POST

■ SYSTEM NO. 72129-D24

The Deluxe Bookler Bariatric Surgery System is identical to the system listed above except that it contains a 24" field post rather than the 18" device.

Qty. Ref. No. Description/Size

1 ea 72010 Field Post – 24"

All other items same as System No. 72129-D18.

ORIGINAL BARIATRIC SYSTEM WITH 18" (45cm) FIELD POST

This is the ideal system for those hospitals that rarely perform surgery on the obese patient.

■ SYSTEM NO. 72129

Qty.	Ref. No.	Description/Size
1 ea	72009	Field Post, 18"
1 ea	72012	Horizontal Bar
1 ea	72013	Post Coupling
6 ea	72026	Tilt Ratchet Mechanism
1 ea	72114	Ratchet Extender
1 ea	72113	Twister Ratchet
1 ea	72036	Ring, Oval, Medium
1 ea	72016	Blade, Kelly, 2" x 3"
1 ea	72017	Blade, Kelly, 2" x 4"
1 ea	72059	Blade, Kelly, 2" x 8"
1 ea	72038	Blade, Balfour, 3½" x 2¾"
1 ea	72064	Blade, Malleable, 3" x 10"
1 ea	72066	Blade, Malleable, 2" x 8"
1 ea	72056	Blade, Malleable, 2" x 10"
1 ea	72112	Blade, Malleable, 4" x 8"
1 ea	72081	Blade, Harrington, 2½" x 8" x 3½"



ORIGINAL BARIATRIC SYSTEM WITH 24" (60cm) FIELD POST

■ SYSTEM NO. 72129-24

Qty.	Ref. No.	Description/Size
1 ea	72010	Field Post, 24"

All other contents identical to 72129 system.

This system is identical to the one above except it has a 24" Field Post.

ORIGINAL BARIATRIC ACCESSORY SYSTEM WITH 18" (45cm) FIELD POST

The accessory set is used with a General Surgery System which has the rings, ratchets and other hardware needed to make a complete system.

■ SYSTEM NO. 72130

Qty.	Ref. No.	Description/Size
1 ea	72009	Field Post, 18"
1 ea	72114	Ratchet Extender
1 ea	72113	Twister Ratchet
1 ea	72038	Blade, Balfour, 3½" x 2¾"
1 ea	72064	Blade, Malleable, 3" x 10"
1 ea	72066	Blade, Malleable, 2" x 8"
1 ea	72056	Blade, Malleable, 2" x 10"
1 ea	72059	Blade, Kelly, 2" x 8"
1 ea	72112	Blade, Malleable, 4" x 8"
1 ea	72081	Blade, Harrington, 2½" x 8" x 3½"



ORIGINAL BARIATRIC ACCESSORY SYSTEM WITH 24" (60cm) FIELD POST

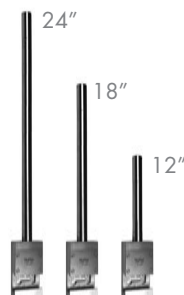
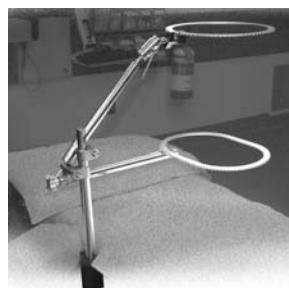
■ SYSTEM NO 72130-24

This system is identical to the one above except it has a 24" Field Post.

Qty.	Ref. No.	Description/Size
1 ea	72010	Field Post, 24"

All other contents identical to the 72130 system.

USAGE TIPS FOR ALL BARIATRIC SYSTEMS



There are 3 different techniques for raising the height of a ring for bariatric patients. The picture to the left shows how a Horizontal Flex Bar, when mounted at an angle, can be set 8 - 10 inches higher than the regular horizontal bar which is also shown. The center picture illustrates the 3 different sizes of table posts that are available. Finally, the picture on the right shows the use of a Vertical Extension Bar that can raise a ring up to 10 inches - even when used with the standard Horizontal Bar.

UROLOGY SURGERY SYSTEM

■ SYSTEM NO. 72102

This system is designed for abdominal and flank approaches to the bladder, kidneys, ureters and other structures. The inclusion of 2 segmented rings allows for 8 ring size configurations and virtually unlimited ring angles. This permits the appropriate ring size and shape for virtually any patient, any procedure. Set up generally follows the principals shown for lower midline or Pfannenstiel incisions in the General Surgery Section.

Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post, 12"
1 ea	72013	Post Coupling
1 ea	72028	Horizontal Flex Bar
8 ea	72026	Tilt Ratchet Mechanism
1 ea	72027	Ring, Segmented, 10½" x 19"
1 ea	72027-85	Ring, Segmented, 8½" x 14"
1 ea	72015	Blade, Malleable, 2" x 6"
1 ea	72019	Blade, Malleable, 1½" x 6"
2 ea	72044	Blade, Kelly, 1" x 2½"
1 ea	72045	Blade, Kelly, 1" x 1½"
2 ea	72075	Blade, Kelly, 2" x 2½"
3 ea	72031	Blade, Vaginal Lateral, 1" x 3"
1 ea	72042	Blade, Renal, Wiley, 1" x 7"



PERINEAL SURGERY SYSTEM

■ SYSTEM NO. 72102-P

The Perineal System provides the surgeon with options: options for post placement, options for ring size and options allowed by malleable blades. Either of two approaches can be used. A top-mounted post can utilize the Vertical Extension Bar and Horizontal Flex Bar to reach through the thighs or the Field Post can be mounted on the drop segment of the OR Table and come up from below. The notches in the Perineal Ring allow the use of disposable hook retractors.

Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post, 12"
1 ea	72028	Horizontal Flex Bar
2 ea	72013	Post Coupling
1 ea	72014	Vertical Extension Bar, 12"
5 ea	72026	Tilt Ratchet Mechanism
1 pr	69260	Small Half Circle Ring Segments, Ø8½"
1 ea	69029	Perineal Ring with Notches, 9½" x 14 ½"
2 ea	72032	Blade, Vaginal, Posterior, 1" x 4½"
1 ea	72046	Blade, Deaver, 1" x 5"
1 ea	72052	Blade, Deaver, 1" x 3½"
2 ea	72110	Blade, Malleable, ½" x 4"
2 ea	72048	Blade, Malleable, ¾" x 4"
2 ea	72111	Blade, Malleable, 1" x 5"



BOOKLER® UROLOGY BLADES

■ REF. NO. 72057 CARROLL



■ REF. NO. 72160 YU-HOLTGREW



Two of our most popular Urology blades are designed to enhance and maintain exposure during Radical Retropubic Prostatectomy. The center groove allows the Balloon of a Foley catheter to be held in place while the bladder is retracted cephalad. The Carroll is a malleable blade and the Yu-Holtgrew is rigid.

Please see page 18 for additional information.

RECTAL/TRANS-ANAL SURGERY SYSTEM

■ SYSTEM NO. 72134

This system contains virtually everything a rectal or colon surgeon needs for trans anal or perineal retraction. The system gives the option of placing the table post on the table near the hip and holding the ring between the legs or on the drop section of the table and coming up from below.



Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post, 12"
1 ea	72028	Horizontal Flex Bar
2 ea	72013	Post Coupling
1 ea	72014	Vertical Extension Bar, 12"
5 ea	72026	Tilt Ratchet Mechanism
1 pr	69260	Small Half Circle Ring Segs
1 ea	69029	Perineal Ring with Notches

2 ea	72121	Blade, Rectal, 7/8" x 2 7/8"
2 ea	72122	Blade, Rectal, 7/8" x 3 7/8"
1 ea	72046	Blade, Deaver, 1" x 5"
1 ea	72052	Blade, Deaver, 1" x 3 1/2"
2 ea	72110	Blade, Malleable, 1/2" x 4"
2 ea	72048	Blade, Malleable, 3/4" x 4"
2 ea	72111	Blade, Malleable, 1" x 5"



RECTAL/TRANS-ANAL ACCESSORY SET

■ SYSTEM NO. 72133

For those facilities that seldom require a system for a trans anal procedure, this Accessory Set can be added to a Bookler or Bookwalter Style General System.

Qty.	Ref. No.	Description/Size
2 ea	72121	Blade, Rectal, 7/8" x 2 7/8"
2 ea	72122	Blade, Rectal, 7/8" x 3 7/8"
1 ea	72030-85	Small Ring, Round, Ø8 1/2"

BOOKLER® GYNECOLOGY SURGERY SYSTEMS

DELUXE VAGINAL SYSTEM

■ SYSTEM NO. 72070-D

The Mediflex Deluxe Vaginal System recognizes that surgeons can approach the perineum from above or from below. So the set includes a vertical extension bar and a horizontal flex bar to assist in getting over the thigh when coming from above. The 12" post and horizontal flex bar can make the approach from below. In addition to the traditional Vaginal Blades, the system includes 6 Malleable blades of varying sizes to allow the surgeon to optimize visualization. The Vaginal Ring is segmented to allow for adjusting the angle and is notched to accept disposable hook retractors.



Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post – 12"
1 ea	72028	Horizontal Flex Bar
2 ea	72013	Post Coupling
1 ea	72014	Vertical Extension Bar, 12"

4 ea	72026	Tilt Ratchet Mechanism
1 ea	69029	Vaginal Ring with Notches
2 ea	72031	Blade, Lateral Vag, 1" x 3"
1 ea	72032	Blade, Posterior Vag, 1" x 4 1/2"
1 ea	72046	Blade, Deaver, 1" x 5"
1 ea	72052	Blade, Deaver, 1" x 3 1/2"
2 ea	72110	Blade, Malleable, 1/2" x 4"
2 ea	72048	Blade, Malleable, 3/4" x 4"
2 ea	72111	Blade, Malleable, 1" x 5"

ORIGINAL VAGINAL SYSTEM

■ SYSTEM NO. 72070

This basic Vaginal System has been used by Gynecologists for many years. Like the Deluxe System, it features the notched segmented ring. The horizontal flex bar allows for exact positioning, especially if the surgeon approaches from down below.



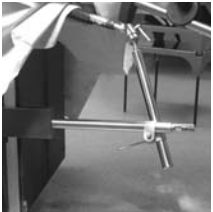
Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post – 12"
1 ea	72028	Horizontal Flex Bar
1 ea	72013	Post Coupling
4 ea	72026	Tilt Ratchet Mechanism
1 ea	69029	Vaginal Ring with Notches
2 ea	72031	Blade, Lateral Vag, 1" x 3"
1 ea	72032	Blade, Posterior Vag, 1" x 4 1/2"
1 ea	72046	Blade, Deaver, 1" x 5"
1 ea	72052	Blade, Deaver, 1" x 3 1/2"

SET-UP TIPS FOR PERINEAL SURGERY

The Bookler Urology, Rectal and Vaginal systems are all designed to be used for both abdominal and perineal approaches. While set-up for the abdominal approach is well known, many users are unaware that the perineum can be accessed from above or from below.



When coming from above, mount the post at the patient's Iliac Crest. Use a tall post or Vertical Extension Bar and a Horizontal Flex Bar to avoid putting pressure on the thigh.

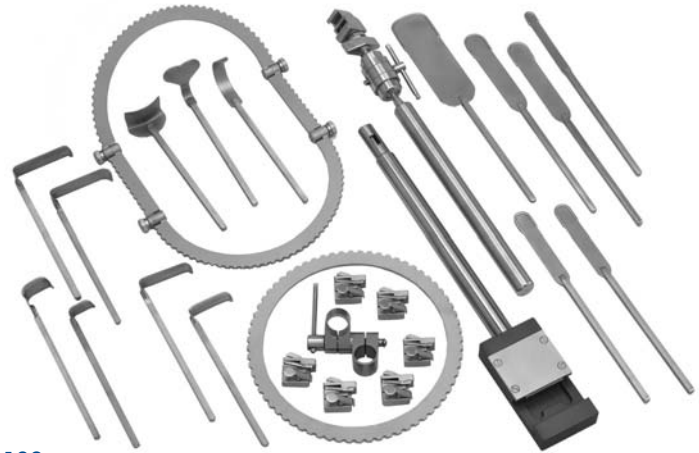


When coming from below, use the shortest post available and mount it on the drop section of the table prior to dropping the table.



ADOLESCENT SURGERY SYSTEM

This is the ideal system for patients who are too large for the Mediflex Mini-Bookler® Neonatal and Infant System but for whom the standard sizes of rings and blades are too big.



■ SYSTEM NO. 72132

Qty.	Ref. No.	Description/Size			
1 ea	72011	Field Post, 12"	1 ea	72047	Richardson Blade, 3/4" x 2"
1 ea	72013	Post Coupling	1 ea	72044	Kelly Blade, 1" x 2 1/2"
1 ea	72028	Horizontal Flex Bar	1 ea	72049	Kelly Blade, 2" x 1 1/2"
6 ea	72026	Tilt Ratchets	2 ea	72107	Kelly Blade, 1" x 3"
1 ea	72030-85	Small Round Ring, Ø8 1/2"	1 ea	72015	Malleable Blade, 2" x 6"
1 ea	72027-85	Small Oval Ring Seg., 8 1/2" x 14"	2 ea	72048	Malleable Blade, 3/4" x 4"
1 ea	72033	Richardson Blade, 3/4" x 1"	2 ea	72111	Malleable Blade, 1" x 5"
1 ea	72034	Richardson Blade, 1" x 1 1/4"	1 ea	72110	Malleable Blade, 1/2" x 4"
			1 ea	72109	Baby Harrington
			1 ea	72126	Deaver, 2/3" x 2 1/4"

BOOKLER® SMALL INCISION SURGERY

SMALL INCISION SYSTEM

Open Appendectomy, Open Inguinal Hernia; in fact virtually any small incision surgery could be performed using the rings and blades in this system.



■ SYSTEM NO. 72099

Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post 12"
1 ea	72013	Post Coupling
1 ea	72028	Horizontal Flex Bar
6 ea	72026	Tilt Ratchets
1 ea	72027-85	Small Seg. Oval Ring, 8 1/2" x 14"
1 ea	72030-85	Small Round Ring, Ø8 1/2"
2 ea	72033	Richardson Blade, 3/4" x 1"
2 ea	72047	Richardson Blade, 3/4" x 2"
2 ea	72034	Richardson Blade, 1" x 1 1/4"
2 ea	72049	Kelly Blade, 2" x 1 1/2"
2 ea	72107	Kelly Blade, 1" x 3"
2 ea	72044	Kelly Blade, 1" x 2 1/2"
2 ea	72052	Deaver Blade, 1" x 3 1/2"
2 ea	72118	3-Prong Rake, 3/4" Deep x 2/3" Wide
2 ea	72048	Malleable Blade, 3/4" x 4"
2 ea	72111	Malleable Blade, 1" x 5"
2 ea	72015	Malleable Blade, 2" x 6"

SMALL INCISION ACCESSORY SET

Helpful if there is only an occasional need for a small ring and a few small blades. It can be wrapped separately or combined with a General Surgery System.

■ SYSTEM NO. 72100

Qty.	Ref. No.	Description/Size
1 ea	72024	Blade, Gelpi
1 ea	72044	Kelly Blade, 1" x 2 1/2"
1 ea	72045	Kelly Blade, 1" x 1 1/2"
1 ea	72030-85	Small Round Ring, Ø8 1/2"



POSTERIOR SPINAL SET

This system is designed to be used for posterior approaches to the Lumbar, Thoracic or Cervical Spine. A wide variety of blades are included to provide optimal exposure. Similarly, we provide a segmented ring with the pair of curved segments and 3 different sizes of straight segments; it is possible to construct virtually any length ring frame needed.



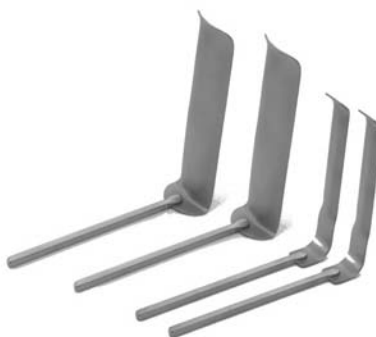
■ SYSTEM NO. 72135

Qty. Ref. No. Description/Size

1 ea	72011	Field Post, 12"	1 pr	69261	Ring Segs, Straight, 4"	2 ea	72127	Hook, Scoville, Small
1 ea	72013	Post Coupling	1 pr	69266	Ring Segs, Straight, 6"	2 ea	72128	Hook, Scoville, Large
1 ea	72028	Horizontal Flex Bar	1 pr	69195	Ring Segs, Straight, 8"	2 ea	72118	Blade, Rake, 3-Prong $\frac{2}{3}$ " x $\frac{3}{4}$ "
6 ea	72025	Ratchet Mechanisms	2 ea	72115	Blade, Meyerding, $\frac{2}{3}$ " x $2\frac{1}{3}$ "	2 ea	72119	Blade, Rake, 4-Prong $\frac{1}{3}$ " x $\frac{3}{4}$ "
4 ea	72026	Tilt Ratchet Mechanisms	2 ea	72116	Blade, Meyerding, 1" x $3\frac{1}{3}$ "	2 ea	72120	Blade, Rake, 6-Prong $\frac{1}{3}$ " x 1"
1 pr	69260	Ring Segs, Round, Small, Ø8 $\frac{1}{2}$ "	2 ea	72117	Blade, Meyerding, 2" x $3\frac{3}{4}$ "			

ANTERIOR SPINE ACCESSORY SET

This accessory kit can be used in conjunction with a General Surgery or Bariatric Surgery System. The addition of these longer blades allow for gentle retraction of the deep vasculature.



■ SET NO. 72137

Qty.	Ref. No.	Description/Size
2 ea	72059	Blade, Kelly, 2" x 8"
2 ea	72042	Blade, Wiley Vein, 1" x 7"

BOOKLER® IMA SYSTEM

IMA SYSTEM

The Bookler IMA System is designed to allow gentle, controlled lifting of the chest wall for harvesting the Internal Mammary Artery. The IMA Ratcheting Mechanism features a micro twist ratchet that permits controlled lifting in increments less than 1mm. Each side is lifted independently for the greatest control. Easy to set up, simple and economic to use.



■ SYSTEM NO. 72131

Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post, 12"
1 ea	72012	Horizontal Bar
1 ea	72013	Post Coupling
2 ea	72124	IMA Ratchet Mechanism
1 ea	72123	IMA Cross Bar, 12"
2 ea	72125	Blade, IMA Retractor

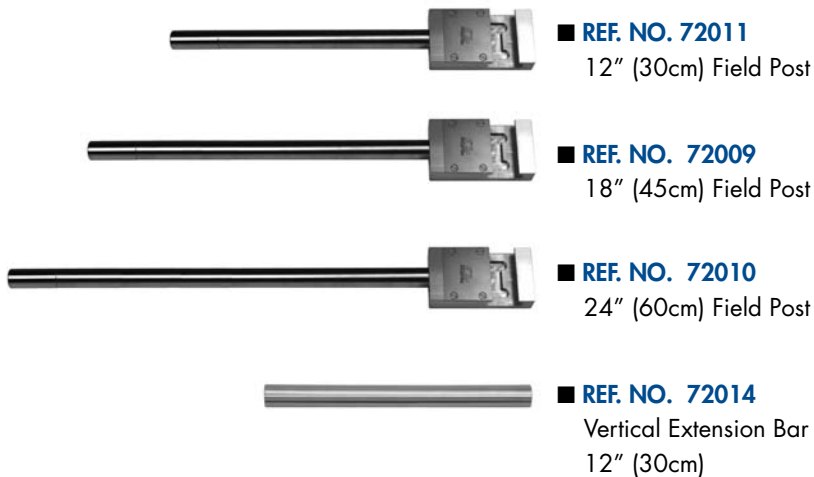
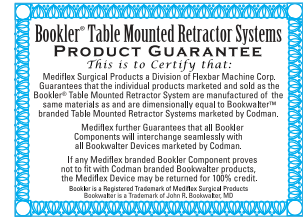


Position the Table Post at the patient's axilla, opposite the surgeon who will dissect the IMA. Load the Horizontal Bar into the Coupler and onto the Field Post. The distal end of the bar should have the jaws up and positioned about 8 – 10" (20 – 25cm) above the patient about midway between the sternum and the nipple.

The IMA Cross Bar is inserted into the jaws of the Horizontal Bar and the jaws tightened. The scalloped edge of the center portion of the Cross Bar should point towards the Field Post.

Insert the blades into the ratchet mechanism. Open the retaining clips on the Cross Bar and slide the opening of the ratchet mechanism onto the Cross Bar. Relock the retaining clips. Repeat on the other side. The hooks of the blades can be placed under the chest wall. Lifting is obtained by turning the thumb screws of the ratchet mechanism.

Mediflex has been manufacturing components for the Bookler System since 1974. Initially and for many years this was as a supplier for Codman and Shurtliff. Since 2004 Mediflex has marketed the system under our own brand name. We can say with 100% certainty that any Mediflex Bookler Component will work seamlessly with the Codman Bookwalter® System. In fact, we'll supply you a guarantee to that effect... after all, if you have been using a Bookwalter Brand Table Mounted System, you've probably been using Mediflex products all along.



MOUNTING HARDWARE

Field Posts and Vertical Extension Bar – all 1" (2.5cm) diameter.

All Bookler Field Posts now feature a tightening knob that is the same diameter as the post. This provides an additional two inches of usable height on each post.



RAIL CLAMP ADAPTOR

■ REF. NO. 72225

The Bookler Field Posts will fit virtually any OR Table. However, Carbon Fiber tables have wider rails and may require this adaptor.



HORIZONTAL BARS AND COUPLERS



■ REF. NO. 72013

Stainless Steel Post Coupler,
1" to 1" (2.5cm to 2.5cm)



■ REF. NO. 72013-C

Quick Lock Post Coupler,
Stainless Steel
1" to 1" (2.5cm to 2.5cm)



■ REF. NO. 72013-D

Delrin Post Coupler,
1" to 1" (2.5cm to 2.5cm)

MOUNTING HARDWARE

RATCHETS AND RELATED MECHANISMS



■ **REF. NO. 72025**
Standard Ratchet



■ **REF. NO. 72026**
Tilt Ratchet



■ **REF. NO. 72113**
Twist Ratchet Adapter



■ **REF. NO. 72124**
IMA Ratchet



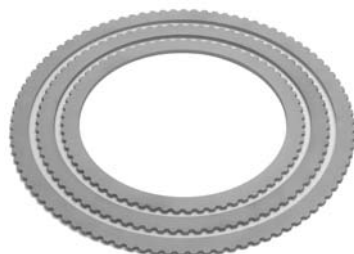
■ **REF. NO. 72114**
Ratchet Extender

RINGS

SOLID RINGS



■ **REF. NO. 72035**
Small Oval Ring
8" x 12", 20cm x 30cm



■ **REF. NO. 72036**
Medium Oval Ring
10½" x 14½"
26.3 x 36.3cm

■ **REF. NO. 72037**
Large Oval Ring
12" x 18½"
30cm x 46.3cm

■ **REF. NO. 72030-85**
Small Round Ring
Ø8½", 21.3cm

■ **REF. NO. 72030-105**
Medium Round Ring
Ø10½", 26.3cm

■ **REF. NO. 72030-125**
Large Round Ring
Ø12½", 31.3cm

RINGS

SEGMENTED RING COMPONENTS

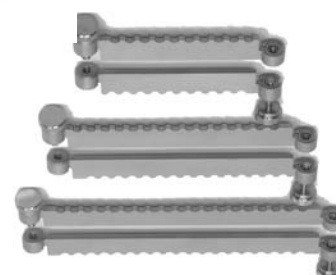
(SOLD AS PAIRS)



■ **REF. NO. 69260**
Small Half Circle
Ø8½", 21.3cm

■ **REF. NO. 69196**
Medium Half Circle
Ø10½", 26.3cm

■ **REF. NO. 69262**
Large Half Circle
Ø12½", 31.3cm



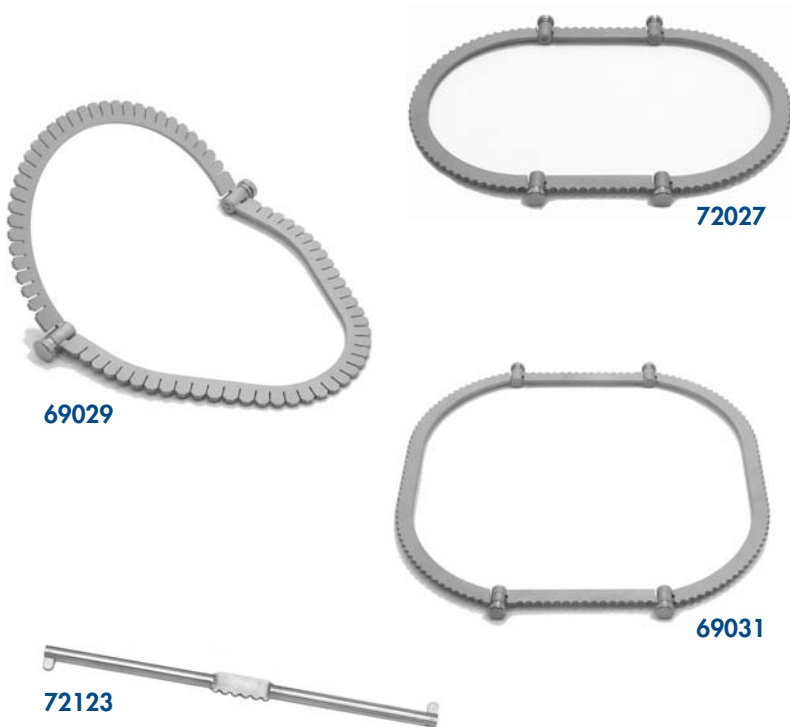
■ **REF. NO. 69195**
Large Straight Segment
8", 20cm

■ **REF. NO. 69266**
Medium Straight Segment
6", 15cm

■ **REF. NO. 69261**
Small Straight Segment
4", 10cm

RINGS

SEGMENTED RINGS



■ **REF. NO. 72027-85**

Small Oval

8½" x 14", 20cm x 35cm

■ **REF. NO. 72027**

Medium Oval

10½" x 19", 26.3cm x 47.5cm

■ **REF. NO. 72027-125**

Large Oval

12½" x 19", 31.3cm x 47.5cm

■ **REF. NO. 69029**

Segmented Perineal Ring, Notched

9½" x 14½", 23.8cm x 36.3cm

■ **REF. NO. 69031**

Segmented Elliptical Ring

14" x 15", 35cm x 37.5cm

■ **REF. NO. 72123**

IMA Cross Bar

12", 30cm

RINGS

THE EAGLE SPLIT RING FRAME

■ **REF. NO. 72200**

The Eagle Split Ring Frame with Integrated Horizontal Bar Ring measures 10½" x 14" (26.3cm x 35cm) in closed position.

This device offers all of the advantages of a Wishbone Style Split Ring with the frame of a Bookwalter Style System. It allows use of all existing Bookler or Bookwalter branded Ratchets and Blades. Each arm is held in place with its own cam lock allowing unparalleled control in arm placement. It is ideal for procedures requiring wide or lifting exposure such as Liver Transplants. The Integrated Horizontal Bar fits all existing 1" couplers and table posts.



The photos above show the 72200 in use with standard field posts and couplers which are available separately.

RETRACTOR BLADES

Note: All Blade dimensions show Width x Depth unless specified.



■ BALFOUR BLADES

Ref. No.	Description/Size
◀ 72018	3" x 2 $\frac{5}{8}$ ", 6.5cm x 7.5cm
▶ 72038	3 $\frac{1}{2}$ " x 2 $\frac{3}{4}$ ", 8.8cm x 6.9cm



■ "BIG BOY" BLADES

Ref. No.	Description/Size
◀ 72062	2" x 6 $\frac{1}{2}$ ", 5cm x 16.3cm
▶ 72063	3" x 6 $\frac{1}{2}$ ", 7.5cm x 16.3cm



■ DEAVER BLADES

Ref. No.	Description/Size
◀ 72126	$\frac{3}{8}$ " x 2 $\frac{1}{4}$ ", 1.7cm x 5.7cm
◀ 72052	1" x 3 $\frac{1}{2}$ ", 2.5cm x 8.8cm
▶ 72046	1" x 5", 2.5cm x 12.5cm
▶ 72069	3" x 10", 7.5cm x 25cm



■ FENCE BLADES

Ref. No.	Description/Size
◀ 72071	4" x 5", 10cm x 12.5cm
▶ 72072	4" x 5" Overall, 10cm x 12.5cm Each Malleable Finger is $\frac{3}{8}$ " x 5", .9cm x 12.5cm



■ GELPI HOOK- REF. NO. 72024



■ IMA HOOK- REF. NO. 72125



RETRACTOR BLADES

Note: All Blade dimensions show Width x Depth unless specified.

HARRINGTON BLADES ALSO CALLED "SWEETHEARTS"

Harrington Blades are measured using three dimensions. The first is the width of the blade at the point it leaves the handle. The second is the overall depth of the blade and the third is the width of the blade at its wide point near the distal end.

■ **REF. NO. 72023**

1" x 5⁵/₈" x 2¹/₂"
2.5 x 14 x 6.3cm



■ **REF. NO. 72080**

2¹/₂" x 5⁵/₈" x 3¹/₂"
6.3 x 14 x 8.8cm



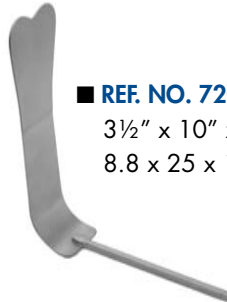
■ **REF. NO. 72081**

2¹/₂" x 8" x 3¹/₂"
6.3 x 20 x 8.8cm



■ **REF. NO. 72058**

3¹/₂" x 10" x 4¹/₂"
8.8 x 25 x 11.3cm



■ **REF. NO. 72109**

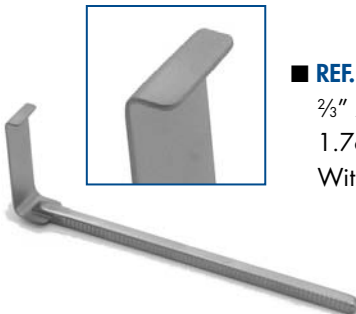
¹/₂" x 2¹/₂" x 2"
1.3 x 6.3 x 5cm



MEYERDING BLADES

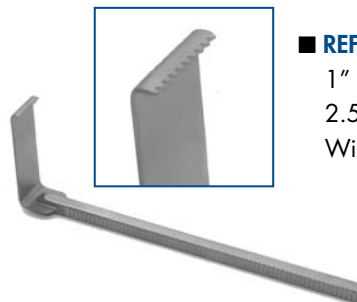
■ **REF. NO. 72067**

²/₃" x 2¹/₃"
1.7cm x 5.8cm
Without Teeth



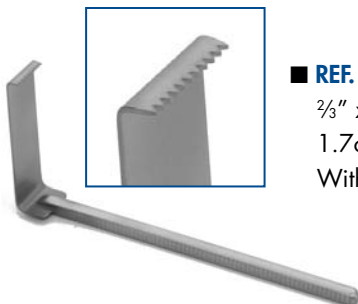
■ **REF. NO. 72116**

1" x 3¹/₃"
2.5cm x 8.3cm
With Teeth



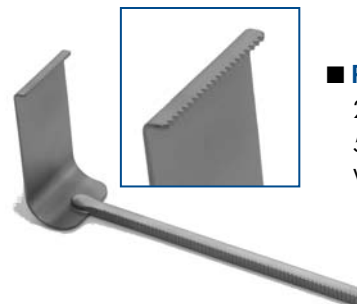
■ **REF. NO. 72115**

²/₃" x 2¹/₃"
1.7cm x 5.8cm
With Teeth



■ **REF. NO. 72117**

2" x 3³/₄"
5cm x 9.4cm
With Teeth



SCOVILLE HOOKS

■ **REF. NO. 72127**

Small
2", 5cm Depth



■ **REF. NO. 72128**

Large
3", 7.5cm Depth



KELLY RETRACTOR BLADES

Note: All Blade dimensions show Width x Depth unless specified.

■ REF. NO. 72045

1" x 1½"
2.5cm x 3.8cm



■ REF. NO. 72107

1" x 3"
2.5cm x 7.5cm



■ REF. NO. 72108

2" x 2"
5cm x 5cm



■ REF. NO. 72016

2" x 3"
5cm x 7.5cm



■ REF. NO. 72021

2" x 5"
5cm x 12.5cm



■ REF. NO. 72059

2" x 8"
5cm x 20cm



■ REF. NO. 72044

1" x 2½"
2.5cm x 6.3cm



■ REF. NO. 72049

2" x 1½"
5cm x 3.8cm



■ REF. NO. 72075

2" x 2½"
5cm x 6.3cm



■ REF. NO. 72017

2" x 4"
5cm x 10cm



■ REF. NO. 72022

2" x 6"
5cm x 15cm



■ REF. NO. 72039

2½" x 3"
6.3cm x 7.5cm



PROTECTED EDGE MALLEABLE RETRACTOR BLADES

Note: All Blade dimensions show Width x Depth unless specified.



■ REF. NO. 72110 | ½" x 4", 1.3cm x 10cm



■ REF. NO. 72111 | 1" x 5", 2.5cm x 12.5



■ REF. NO. 72015 | 2" x 6", 5cm x 15cm



■ REF. NO. 72056 | 2" x 10", 5cm x 25cm



■ REF. NO. 72065 | 3" x 8", 7.5cm x 20cm



■ REF. NO. 72053 | 3" x 12", 7.5cm x 30cm



■ REF. NO. 72061 | 4" x 10", 10cm x 25cm



■ REF. NO. 72040 | 6" x 9", 15cm x 22.5cm



■ REF. NO. 72048 | ¾" x 4", 1.9cm x 10cm



■ REF. NO. 72019 | 1½" x 6", 3.8cm x 15cm



■ REF. NO. 72066 | 2" x 8", 5cm x 20cm



■ REF. NO. 72020 | 3" x 6", 7.5cm x 15cm



■ REF. NO. 72064 | 3" x 10", 7.5cm x 25cm



■ REF. NO. 72112 | 4" x 8", 10cm x 20cm



■ REF. NO. 72054 | 4" x 12", 10cm x 30cm



■ REF. NO. 72041 | 6" x 12", 15cm x 30cm

CUSTOM BLADES

Mediflex can provide virtually any retractor pattern for use with Bookler or Bookwalter style Table Mounted Retractor Systems. Most can be delivered in 3 to 4 weeks. Please contact Mediflex at 1-800-764-0474 or your local distributor for additional information.

RADIOLUCENT ALUMINUM BLADES ARE ALSO AVAILABLE.

RETRACTOR BLADES

Note: All Blade dimensions show Width x Depth unless specified.

RAKES



■ REF. NO. 72118

3-Prong

$\frac{2}{3}$ " x $\frac{3}{4}$ "

1.7cm x 1.9cm



■ REF. NO. 72119

4-Prong

$\frac{3}{4}$ " x $\frac{1}{3}$ "

1.9cm x .8cm



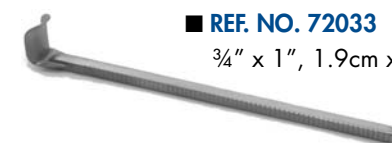
■ REF. NO. 72120

6-Prong

1" x $\frac{1}{3}$ "

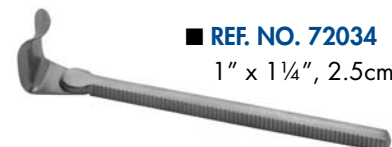
2.5cm x .8cm

RICHARDSON BLADES



■ REF. NO. 72033

$\frac{3}{4}$ " x 1", 1.9cm x 2.5cm



■ REF. NO. 72034

1" x 1 $\frac{1}{4}$ ", 2.5cm x 3.1cm



■ REF. NO. 72047

$\frac{3}{4}$ " x 2", 1.9cm x 5cm



■ REF. NO. 72101

Set of all 3
Richardson Blades

RECTAL BLADES



■ REF. NO. 72121

$\frac{7}{8}$ " x 2 $\frac{7}{8}$ "

2.2cm x 7.2cm



■ REF. NO. 72122

$\frac{7}{8}$ " x 3 $\frac{7}{8}$ "

2.2cm x 9.7cm

WILEY RENAL VEIN BLADE

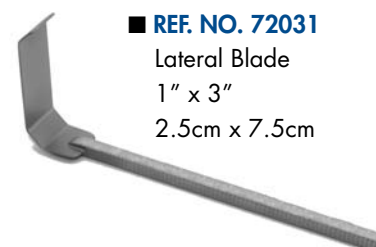
■ REF. NO. 72042

1" x 7"

2.5cm x 17.5cm



VAGINAL BLADES

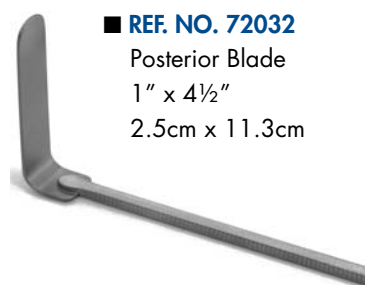


■ REF. NO. 72031

Lateral Blade

1" x 3"

2.5cm x 7.5cm



■ REF. NO. 72032

Posterior Blade

1" x 4 $\frac{1}{2}$ "

2.5cm x 11.3cm

ST. MARKS BLADE

■ REF. NO. 72043

2 $\frac{1}{3}$ " x 7"

5.8cm x 17.5cm



UROLOGY

CARROLL BLADE

■ REF. NO. 72057

Malleable

1 $\frac{1}{2}$ " to 3 $\frac{1}{4}$ " x 7"

3.8cm to 8.1cm x 17.5cm



YU-HOLTGREW BLADE

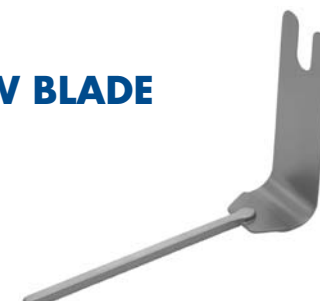
■ REF. NO. 72160

2" x 6 $\frac{1}{8}$ "

5cm x 15.3cm

Slot: $\frac{5}{8}$ " x 1 $\frac{1}{2}$ "

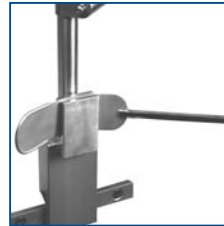
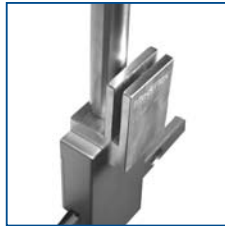
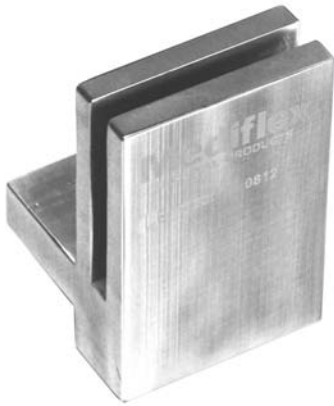
1.5cm x 3.8cm



MALLEABLE BLADE BENDING AND SHAPING TOOL

■ REF. NO. 72007

This Mediflex Exclusive is designed to assist in bending Malleable blades. It slides onto any Bookler or Bookwalter 1" Diameter Field post as shown in the left hand photo below. Allow space below the horizontal bar. Insert blade as shown in the two right-hand photos and bend as needed.



FIBER OPTIC LIGHT KIT



■ REF. NO. 72077 FIBER OPTIC LIGHT CLIP



■ REF. NO. 72078 MALLEABLE FIBER OPTIC LIGHT PIPE

Attaches to any standard cable, adaptable to ACMI and Wolf cables. (Cable not included.)

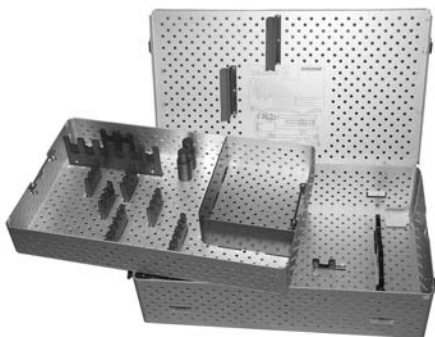


■ REF. NO. 72076

The Kit contains both The Light Clip and The Light Pipe. It attaches to any Bookler, Mini-Bookler or Bookwalter Branded Ring. (Rings not included)

TRAY SET DESIGNED FOR GENERAL SURGERY SYSTEM NO. 72000

Can be used for other systems.



■ REF. NO. 72001

The Tray Set features an inner and outer basket with a lid on the outer basket. Laser etching shows exactly where each component is placed.

■ REF. NO. 72002

OUTER TRAY

for General Surgery System #72000

■ REF. NO. 72003

INNER TRAY

for General Surgery System #72000

BOOKLER RATCHET BAR BLADE ATTACHMENT

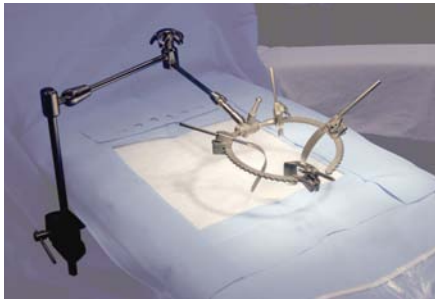
■ REF. NO. 69708

Allows any Mediflex Surgical Holder and Positioner with a Quick Disconnect Fitting to hold any Bookler or Bookwalter branded blade.



PLEASE CONTACT US FOR ADDITIONAL INFORMATION.

THE MINI-BOOKLER® TABLE MOUNTED RETRACTOR SYSTEMS



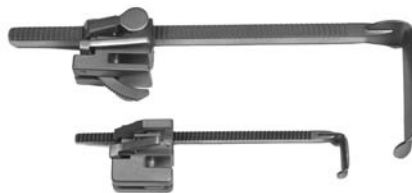
In 2008, Mediflex Surgical Products introduced the most significant design change in our Bookler Table Mounted

Retractor Systems since we began working with Dr. John Bookwalter over 30 years ago. By recognizing the needs of surgeons performing surgeries with smaller incisions and combining the genius of Dr. Bookwalter's original designs with other Mediflex innovations, we are proud to offer The Mini-Bookler System for Small Incision, Neonatal and Pediatric Surgery.

Along with "right-sizing" rings, ratchets and blades, the most significant change made was the

elimination of the traditional Field Post and Horizontal Bars. Instead, Mediflex "borrowed" a design from another of our Core Technologies and adapted a Height Adjustable StrongArm™ Surgical Holder and Positioner as the basis for the Mini-Bookler Table Mounted System. By having the ability to raise or lower the height of the "field post," we eliminate obstructions and allow every member of the surgical team to have unobstructed access to the surgical site.

The Mini-Bookler Table Mounted Retractor System brings the same clinical advantages to Neonatal, pediatric and adult small incision surgery that the original



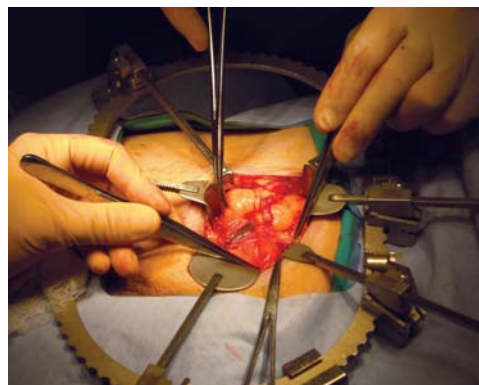
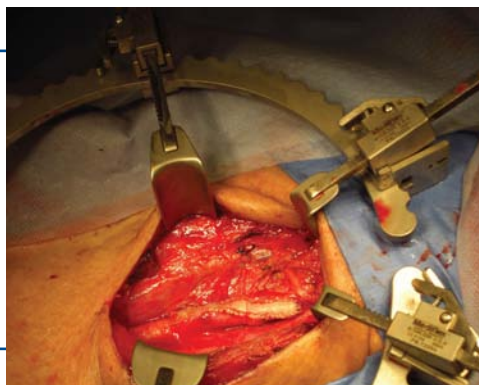
Original Bookler Tilt Ratchet and Blade
Mini-Bookler Tilt Ratchet and Blade

Bookwalter Table Mounted System brought to abdominal surgery over 30 years ago. Perhaps the best description of the system was made by Dr. Bookwalter himself upon seeing the finished product. He exclaimed, "Wow! How cool is this!"

SUMMARY OF SOME OF THE CLINICAL ADVANTAGES OF THE MINI-BOOKLER TABLE MOUNTED SYSTEMS:

- Used in virtually the same way as a Bookwalter-Styled System
- Quick, easy set-up
- Fewer components than other table-mounted systems
- Table post is height adjustable
- Levers are not required to hold blades in place
- Mini-Twist Ratchet allows precise retraction
- Affords greater control than hand-held retractor
- Can easily be used in non-traditional settings such as NICU

The Mini-Bookler Table Mounted Retractor being used in a Carotid Endarterectomy.



Inguinal Hernia using the Mini-Bookler Table Mounted Retractor for unparalleled surgical site exposure.

Above two photos courtesy of Herbert H. Dardik, MD.

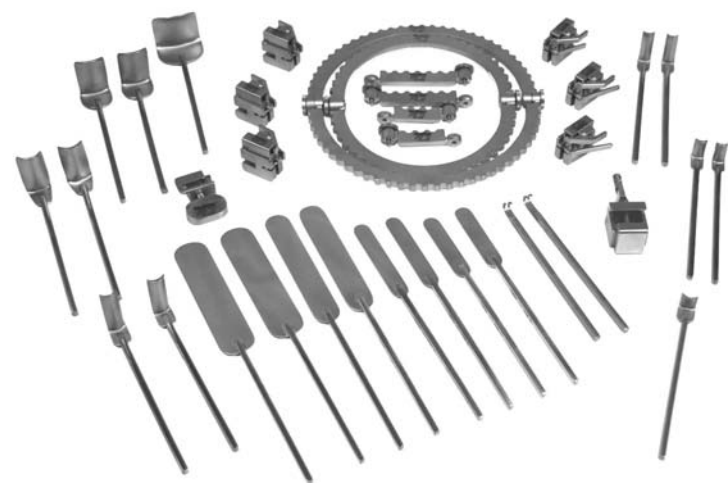
MINI-BOOKLER TABLE MOUNTED SYSTEM FOR NEONATES AND INFANTS

Up to about 10 Kilos.

■ SYSTEM NO. 72234

Here is a complete system for virtually any surgery performed on your smallest patients. The segmented rings allow you to make the perfect sized ring for abdominal and perineal procedures. A wide variety of blades allow for retraction of tissue and organs.

(Note: Must be used with Mediflex StrongArm™ Holder and Positioner. See Page 24).



Qty.	Ref. No.	Description/Size						
1 ea	72280	Mini-Clasper	2 ea	72254	Blade, Kelly, 3/8" x 3/4"	2 ea	72251	Blade, Malleable, 1/2" x 2"
1 pr	72282	Round Segments, 5"	2 ea	72261	Blade, Kelly, 3/8" x 1 1/4"	2 ea	72259	Blade, Malleable, 1/2" x 2 1/2"
1 pr	72284	Round Segments, 6 1/2"	1 ea	72267	Blade, Kelly, 1/2" x 1/2"	2 ea	72272	Blade, Malleable, 3/4" x 4"
1 pr	72286	Straight Segments, 2"	2 ea	72262	Blade, Kelly, 1/2" x 1 1/2"	2 ea	72274	Blade, Malleable, 1" x 4"
1 pr	72288	Straight Segments, 3 1/2"	2 ea	72268	Blade, Kelly, 3/4" x 1 1/2"	2 ea	72256	2-Prong Hook, Blunt
6 ea	72294	Mini-Tilt Ratchets	2 ea	72269	Blade, Kelly, 1" x 1 1/2"			
1 ea	72290	Mini-Twist Ratchet	1 ea	72270	Blade, Kelly, 1 1/2" x 1 1/2"			

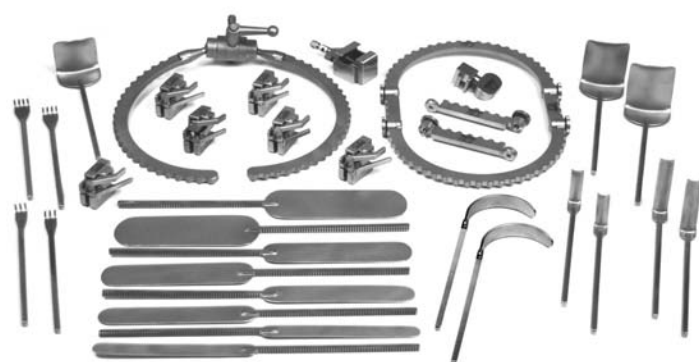
MINI-BOOKLER TABLE MOUNTED SYSTEM FOR TODDLERS

Up to about 15 Kilos

■ SYSTEM NO. 72236

For Surgery on pediatric patients up to about 15 Kilos, a larger "Wishbone" style ring as well as somewhat larger blades may be appropriate. This system provides just that.

(Note: Must be used with Mediflex StrongArm™ Holder and Positioner. See Page 24).



Qty.	Ref. No.	Description/Size						
1 ea	72280	Mini-Clasper	2 ea	72261	Blade, Kelly, 3/8" x 1 1/4"	2 ea	72274	Blade, Malleable, 1" x 4"
1 ea	72295	Adjustable Split Ring, 7"	2 ea	72263	Blade, Kelly, 1/2" x 2"	2 ea	72275	Blade, Malleable, 1 1/2" x 4"
1 ea	72283	Seg Oval Ring, 5" x 7"	1 ea	72270	Blade, Kelly, 1 1/2" x 1 1/2"	2 ea	72252	3-Prong Hook, Blunt
1 pr	72288	Straight Segments, 3 1/2"	2 ea	72271	Blade, Kelly, 1 1/2" x 2"	2 ea	72257	4-Prong Hook, Blunt
6 ea	72294	Mini-Tilt Ratchets	2 ea	72273	Blade, Malleable, 1/2" x 4"	2 ea	72276	Blade, Deaver, 1/2" x 2"
1 ea	72290	Mini-Twist Ratchet	2 ea	72272	Blade, Malleable, 3/4" x 4"			

MINI-BOOKLER "DB" PEDIATRIC UROLOGY ACCESSORY KIT

■ SYSTEM NO. 72227

For many years, Pediatric Urologists have used a Dennis-Brown Retractor System for pediatric urology. Here are the 2 blade sizes most often used in pediatric surgery. They can be added to any complete Mini-Bookler System or to the Starter System found on page 29.

(Note: Must be used with Mediflex StrongArm™ Holder and Positioner. See Page 24).



Qty.	Ref. No.	Description/Size
4 ea	71181	DB Blade, 1" x 1 1/8"
4 ea	71180	DB Blade, 1 1/2" x 1 1/2"

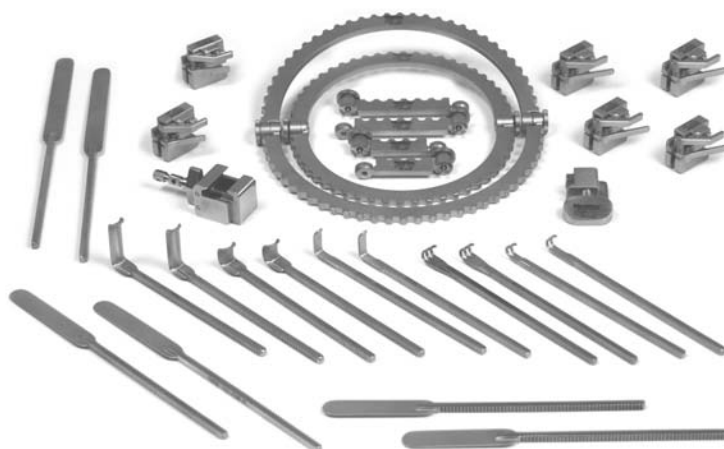
See component pages, 25–26, for all metric equivalents.

HEAD AND NECK PROCEDURES

■ SYSTEM NO. 72230

Whether Thyroid, Carotid or any other procedure done on the Head and Neck, this Mini-Bookler System provides the rings and the blades that will adapt to a virtually unlimited number of incision sites. The system gives the surgeon all of the advantages of a table mounted retractor system, but in a small, non-obtrusive size.

(Note: Must be used with Mediflex StrongArm™ Holder and Positioner. See Page 24).



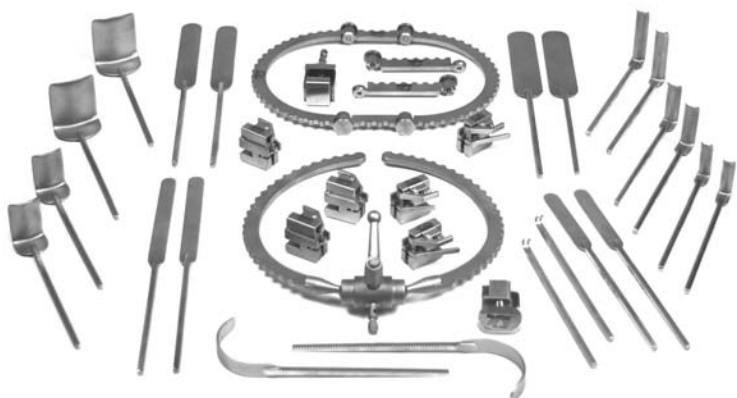
Qty.	Ref. No.	Description/Size							
1 ea	72280	Mini-Clasper	6 ea	72294	Mini-Tilt Ratchets	2 ea	72259	Blade, Malleable, 1/2" x 2 1/2"	
1 pr	72282	Round Segments, 5"	1 ea	72290	Mini-Twist Ratchet	2 ea	72273	Blade, Malleable, 1/2" x 4"	
1 pr	72284	Round Segments, 6 1/2"	2 ea	72261	Blade, Kelly, 3/8" x 1 1/4"	2 ea	72250	Blade, Senn-Miller Solid	
1 pr	72286	Straight Segments, 2"	2 ea	72267	Blade, Kelly, 1/2" x 1 1/2"	2 ea	72256	2-Prong Hook, Blunt	
1 pr	72288	Straight Segments, 3 1/2"	2 ea	72251	Blade, Malleable, 1/2" x 2"	2 ea	72252	3- Prong Hook, Blunt	

SMALL INCISION SURGERY

■ SYSTEM NO. 72232

The emergency Appendectomy at 2 am; the open hernia repair that more surgeons are doing again; scar revision... basically any surgery with small or shallow incisions that would benefit from a table mounted retractor system... here is the system.

(Note: Must be used with Mediflex StrongArm™ Holder and Positioner. See Page 24).



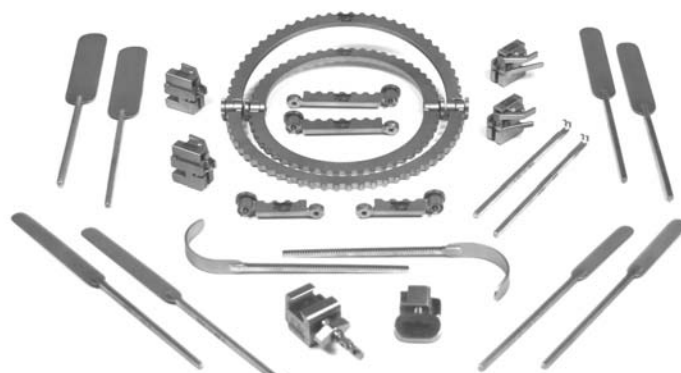
Qty.	Ref. No.	Description/Size							
1 ea	72280	Mini-Clasper	2 ea	72261	Blade, Kelly, 3/8" x 1 1/4"	2 ea	72273	Blade, Malleable, 1/2" x 4"	
1 ea	72295	Adjustable Split Ring, 7"	2 ea	72262	Blade, Kelly, 1/2" x 1 1/2"	2 ea	72274	Blade, Malleable, 1" x 4"	
1 ea	72283	Seg Oval Ring, 5" x 7"	2 ea	72263	Blade, Kelly, 1/2" x 2"	2 ea	72275	Blade, Malleable, 1 1/2" x 4"	
1 pr	72288	Straight Segments, 3 1/2"	2 ea	72269	Blade, Kelly, 1" x 1 1/2"	2 ea	72256	2-Prong Hook, Blunt	
6 ea	72294	Mini-Tilt Ratchets	2 ea	72271	Blade, Kelly, 1 1/2" x 2"	2 ea	72276	Blade, Deaver, 1/2" x 2"	
1 ea	72290	Mini-Twist Ratchet	2 ea	72259	Blade, Malleable, 1/2" x 2 1/2"				

PERINEAL SURGERY

■ SYSTEM NO. 72228

Vaginal Surgery, Rectal Surgery, Urology... retraction for any procedure using a perineal approach can be easily accomplished using the Mini-Bookler Perineal Surgery System shown here. A variety of ring and blade sizes allow you to create optimal visualization of the operative site.

(Note: Must be used with Mediflex StrongArm™ Holder and Positioner. See Page 24).



Qty.	Ref. No.	Description/Size							
1 ea	72280	Mini-Clasper	1 pr	72288	Straight Segments, 3 1/2"				
1 pr	72282	Round Segments, 5"	4 ea	72294	Mini-Tilt Ratchets	2 ea	72274	Blade, Malleable, 1" x 4"	
1 pr	72284	Round Segments, 6 1/2"	1 ea	72290	Mini-Twist Ratchet	2 ea	72275	Blade, Malleable, 1 1/2" x 4"	
1 pr	72286	Straight Segments, 2"	2 ea	72259	Blade, Malleable, 1/2" x 2 1/2"	2 ea	72256-S	2-Prong Hook, Sharp	
			2 ea	72273	Blade, Malleable, 1/2" x 4"	2 ea	72276	Blade, Deaver, 1/2" x 2"	

HAND SURGERY

For surgeries of the hand, whether done by a Hand Surgeon, an Orthoped or a Plastic Surgeon, this is a great basic set. Four different hooks allow for a variety of exposures and you can add additional retractor blades as needed. Hooks are available sharp or blunt.

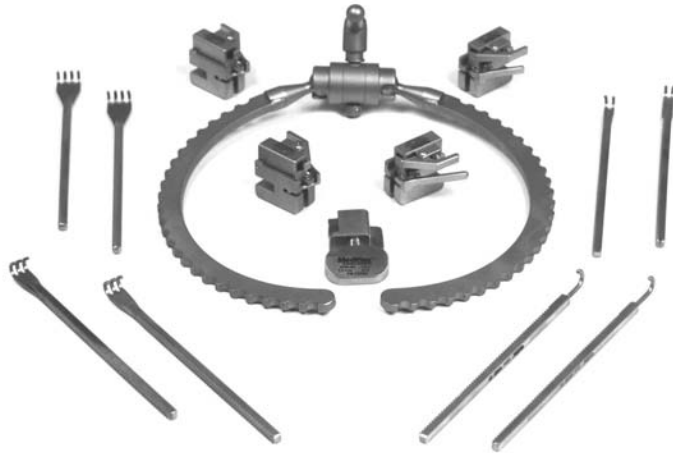
(Note: Must be used with Mediflex StrongArm™ Holder and Positioner. See Page 24).

■ SYSTEM NO. 72229-S

Qty.	Ref. No.	Description/Size
1 ea	72295	Adjustable Split Ring, 7"
4 ea	72294	Mini-Tilt Ratchets
1 ea	72290	Mini-Twist Ratchet
2 ea	72255-S	Single Hook, Sharp
2 ea	72256-S	Double Hook, Sharp
2 ea	72252-S	Triple Hook, Sharp
2 ea	72257-S	Quad Hook, Sharp

■ SYSTEM NO. 72229-B

Qty.	Ref. No.	Description/Size
1 ea	72295	Adjustable Split Ring, 7"
4 ea	72294	Mini-Tilt Ratchets
1 ea	72290	Mini-Twist Ratchet
2 ea	72255	Single Hook, Blunt
2 ea	72256	Double Hook, Blunt
2 ea	72252	Triple Hook, Blunt
2 ea	72257	Quad Hook, Blunt

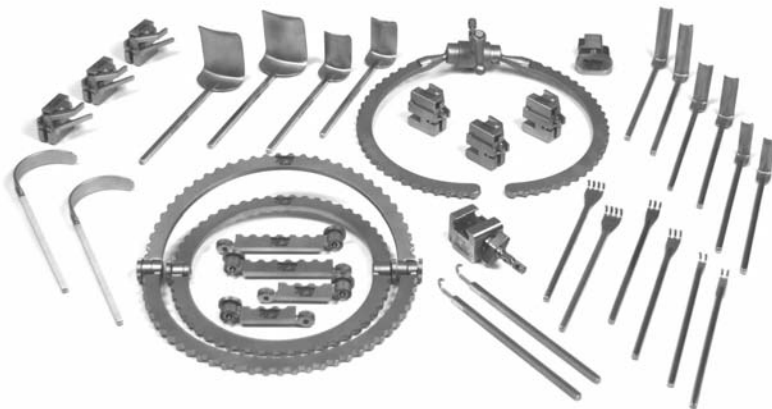


BREAST SURGERY AND AXILLARY NODE DISSECTION

■ CATALOG # 72231

This is the one set that the Breast Surgeon can use for node dissection, lumpectomies, radical mastectomies and even reconstructive procedures. The wide range of ring sizes and blades can be combined into an almost unlimited number of configurations.

(Note: Must be used with Mediflex StrongArm™ Holder and Positioner. See Page 24).



Qty.	Ref. No.	Description/Size	Qty.	Ref. No.	Description/Size	Qty.	Ref. No.	Description/Size
1 ea	72295	Adjustable Split Ring, 7"	6 ea	72294	Mini-Tilt Ratchets	2 ea	72271	Blade, Kelly, 1 1/2" x 2"
1 pr	72282	Round Segments, 5"	1 ea	72290	Mini-Twist Ratchet	2 ea	72276	Blade, Deaver, 1/2" x 2"
1 pr	72284	Round Segments, 6 1/2"	2 ea	72261	Blade, Kelly, 3/8" x 1 1/4"	2 ea	72255-S	Single Hook, Sharp
1 pr	72286	Straight Segments, 2"	2 ea	72262	Blade, Kelly, 1/2" x 1 1/2"	2 ea	72256-S	Double Hook, Sharp
1 pr	72288	Straight Segments, 3 1/2"	2 ea	72263	Blade, Kelly, 1/2" x 2"	2 ea	72252-S	Triple Hook, Sharp
1 ea	72280	Mini-Clasper	2 ea	72269	Blade, Kelly, 1" x 1 1/2"	2 ea	72257-S	Quad Hook, Sharp

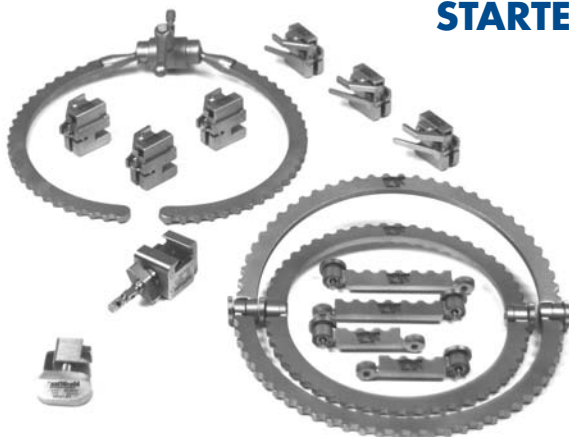
STARTER SYSTEM FOR SMALL INCISION SURGERY

■ SYSTEM NO. 72238

Here is everything you need except the blades. This allows you to customize a set for a particular procedure or surgeon. Add as many blades as necessary. A full list begins on page 25.

(Note: Must be used with Mediflex StrongArm™ Holder and Positioner. See Page 24).

Qty.	Ref. No.	Description/Size
1 ea	72280	Mini-Clasper
1 ea	72295	Adjustable Split Ring, 7"
1 pr	72282	Round Segments, 5"
1 pr	72284	Round Segments, 6 1/2"
1 pr	72286	Straight Segments, 2"
1 pr	72288	Straight Segments, 3 1/2"
6 ea	72294	Mini-Tilt Ratchets
1 ea	72290	Mini-Twist Ratchet



MOUNTING HARDWARE

■ REF. NO. 73000

STRONGARM™ HOLDER AND POSITIONER

Comes complete with rail clamp and quick disconnect tip.



Total reach is 23".
Height adjustable from 3½" to 11½".

■ REF. NO. 73000-SA

STRONGARM™ HOLDER AND POSITIONER

Features a short distal arm segment for use in neonatal surgery.
Comes complete with rail clamp and quick disconnect tip.



Total reach is 17".
Height adjustable from 3½" to 11½".

OTHER COMPONENTS



■ REF. NO. 72280

MINI-CLASPER

Used to attach segmented rings to the holder and positioner.



■ REF. NO. 72294

MINI-TILT RATCHET



■ REF. NO. 72290

MINI-TWIST RATCHET

Allows micro adjustment of ratcheted blades.



■ REF. NO. 72225

RAIL CLAMP ADAPTOR

While the Standard Rail Clamps of the StrongArm™ Devices will fit the vast majority of OR Tables, some carbon fiber tables have over-sized rails. This adaptor fits the oversized rails and will then hold any Mediflex rail mounted product.

SPLIT RINGS



■ **REF. NO. 72295**

Adjustable Round Split Ring with Hex Fitting. 7" (17.5cm) Diameter in closed position.



OVAL SEGMENTED

■ **REF. NO. 72283**

5" x 7", 12.5 x 17.5cm

■ **REF. NO. 72287**

5" x 8½", 12.5 x 21.25cm

■ **REF. NO. 72289**

6½" x 8½", 16.25 x 21.25cm

■ **REF. NO. 72285**

6½" x 10", 16.25 x 25cm



ROUND SEGMENTS

Sold as pairs.

■ **REF. NO. 72282**

Ø5", 12.5cm

■ **REF. NO. 72284**

Ø6½", 16.25cm



STRAIGHT SEGMENTS

Sold as pairs

■ **REF. NO. 72286**

2", 5cm

■ **REF. NO. 72288**

3½", 8.75cm

Mini-Bookler Rings with notches, for use with disposable hooks, are available upon request.

Note: All Blade dimensions show Width x Depth unless specified.

KELLY BLADES RETRACTOR BLADES



■ **REF. NO. 72254**

¾" x ¾", .94 x 1.87cm



■ **REF. NO. 72268**

¾" x 1½", 1.87 x 3.75cm



■ **REF. NO. 72253**

¾" x 1", .94 x 2.5cm



■ **REF. NO. 72278**

¾" x 2½", 1.87 x 6.25cm



■ **REF. NO. 72261**

¾" x 1¼", .94 x 3.12cm



■ **REF. NO. 72279**

¾" x 3", 1.87 x 7.5cm



■ **REF. NO. 72267**

½" x ½", 1.25 x 1.25cm



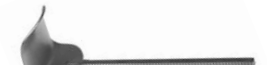
■ **REF. NO. 72269**

1" x 1½", 2.5 x 3.75cm



■ **REF. NO. 72262**

½" x 1½", 1.25 x 3.75cm



■ **REF. NO. 72270**

1½" x 1½", 3.75 x 3.75cm



■ **REF. NO. 72263**

½" x 2", 1.25 x 5cm



■ **REF. NO. 72271**

1½" x 2", 3.75 x 5cm

MALLEABLE BLADES

Note: All Blade dimensions show Width x Depth unless specified.

- REF. NO. 72251 | ½" x 2", 1.25 x 5cm



- REF. NO. 72259 | ½" x 2½", 1.25 x 6.25cm



- REF. NO. 72272 | ¾" x 4", 1.87 x 10cm



- REF. NO. 72274 | 1" x 4", 2.5 x 10cm



- REF. NO. 72260 | ½" x 2¼", 1.25 x 5.6cm



- REF. NO. 72273 | ½" x 4", 1.25 x 10cm



- REF. NO. 72277 | ¾" x 5", 1.87 x 12.5cm



- REF. NO. 72275 | 1½" x 4", 3.75 x 10cm



BALFOUR BLADES ALSO USED AS DENNIS-BROWN BLADES

- REF. NO. 71180 | 1½" x 1½", 3.75 x 3.75cm



- REF. NO. 71181 | 1" x 1½", 2.5 x 2.8cm



HOOKS



- REF. NO. 72255 | Single Hook, Blunt
72255-S | Single Hook, Sharp



- REF. NO. 72256 | Double Hook, Blunt
72256-S | Double Hook, Sharp



- REF. NO. 72252 | Triple Hook, Blunt
72252-S | Triple Hook, Sharp



- REF. NO. 72257 | Quad Hook, Blunt
72257-S | Quad Hook, Sharp

SENN-MILLER SOLID BLADE

- REF. NO. 72250



DEAVER BLADE

- REF. NO. 72276 | ½" x 2", 1.25 x 5cm



STERILIZATION CONTAINER FOR MINI-BOOKLER SYSTEMS

- REF. NO. 72240



This tray features 2 inner baskets. The lower basket holds the StrongArm™ Positioner and Rail Clamp. This keeps the heavy components away from the more delicate rings, ratchets and blades which are placed in the upper basket. Shipped with a supply of Filters, Handle Seals and Paper Label/Process Indicators.

REPLACEMENT PARTS

- REF. NO. 72243 | Filter Pack
- REF. NO. 72244 | Handle Seals
- REF. NO. 72245 | Label/Process Indicator

The above all shipped in packs of 100 ea.

MOBILE POLE STAND

- REF. NO. 73100

Surgery performed in the NICU utilizing an Isolette or similar device can be accomplished by using the movable, lockable floor stand as shown to the right. We recommend use of the long version of the StrongArm™ Holder and Positioner (please see page 24) as it allows the floor stand to be a little further away from the Isolette.



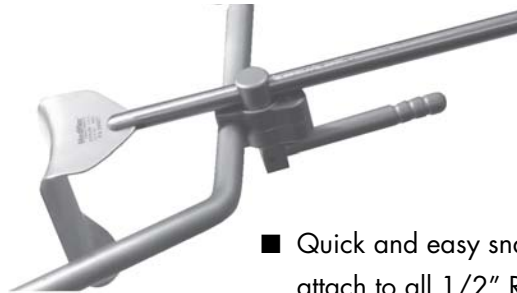
THE MEDIFLEX® UNIVERSAL TABLE MOUNTED RETRACTOR SYSTEMS

The company that brought you the World Renowned Bookler® Table Mounted Retractor System... introduces the Mediflex Universal "Round Bar" Table Mounted Retractor System!

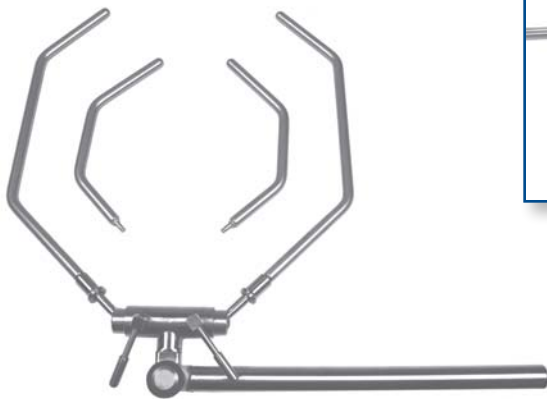


- A push-button swivel neck allows adjustment without loosening the arms.

- Utilizes same field post and coupler as the Mediflex Bookler™ System—will also fit Bookwalter Table Posts.
- "Wishbone" Style Frame feature independently locking arms. Separate cam locks allow fast, precise positioning of either arm.



- Quick and easy snap clamps attach to all 1/2" Round Bar Systems and hold all 3/8" Round Bar Swivel Blades.



- "Wishbone" Style Frame is available as a one-piece frame or with interchangeable arms.



THE COMPANY THAT INNOVATES DOESN'T STOP!

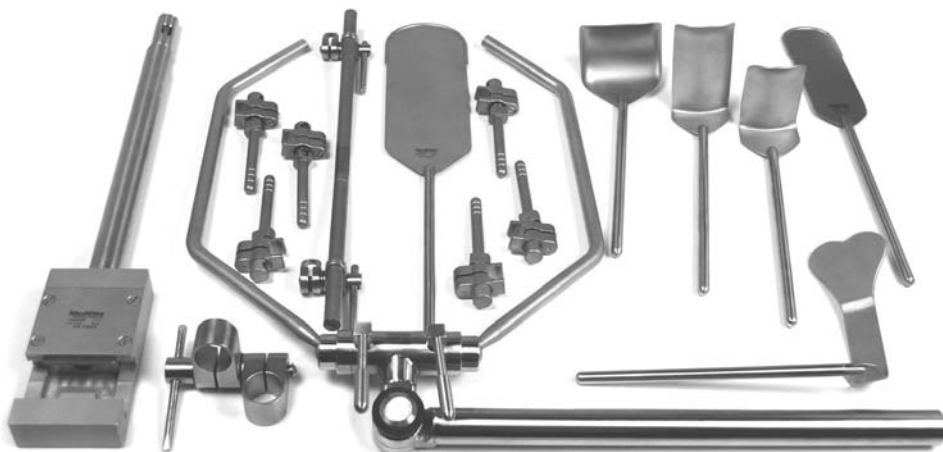
A new Extension Bridge Kit quickly adapts to the adjustable "Wishbone" Style Frame and extends the frame to allow additional blade location.

For more information or an evaluation of the Mediflex Universal System, please contact your Mediflex Distributor or visit us at <http://www.mediflex.com>.

GENERAL SURGERY BASIC SYSTEM LARGE FRAME

■ SYSTEM NO. 69600

Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post 12"
1 ea	72013	Post Coupling
1 ea	69589	Universal Frame
1 ea	69592	Extension Bridge Kit
6 ea	69187-S	Quick Lock Clamps
1 ea	69603	Balfour, 3" x 2 5/8"
1 ea	69604	Harrington, 1" x 5 5/8" x 2 1/2"
1 ea	69605	Malleable, 3" x 8"
1 ea	69606	Malleable, 2" x 6"
1 ea	69607	Kelly, 2" x 3"
1 ea	69608	Kelly, 2" x 4"



BUILD YOUR OWN SYSTEMS

Basic Systems without Blades

■ SYSTEM NO. 69601

Includes 1 each of 72011, 72013, 69589, 69592 and six each of 69187-S



■ SYSTEM NO. 69602

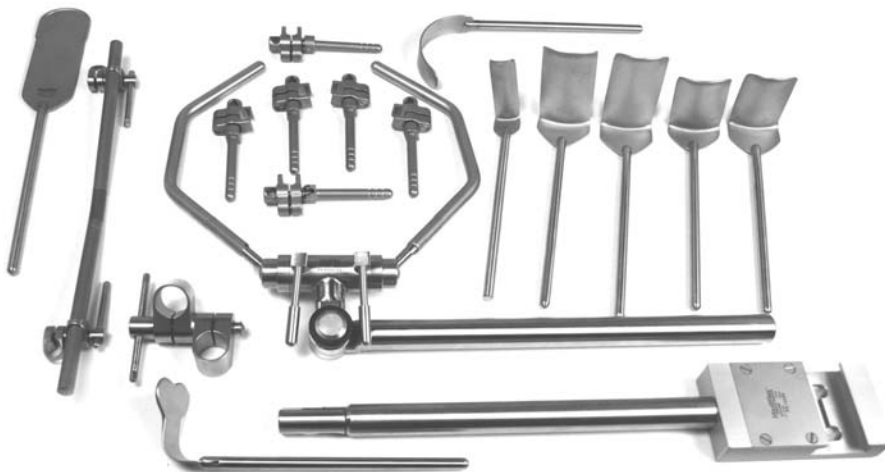
Includes 1 each of 72011, 72013, 69589, 69592 and four each of 69187-S



SMALL INCISION BASIC SYSTEM MEDIUM FRAME

■ SYSTEM NO. 69610

Qty.	Ref. No.	Description/Size
1 ea	72011	Field Post 12"
1 ea	72013	Post Coupling
1 ea	69589-S	Small Universal Frame
1 ea	69592	Extension Bridge Kit
6 ea	69187-S	Quick Lock Clamps
1 ea	72052-R	Deaver, 1" x 3 1/2"
1 ea	72109-R	Harrington, 1" x 2 1/2" x 2"
1 ea	69606	Malleable, 2" x 6"
1 ea	72107-R	Kelly, 1" x 3"
2 ea	69607	Kelly, 2" x 3"
2 ea	69608	Kelly, 2" x 4"

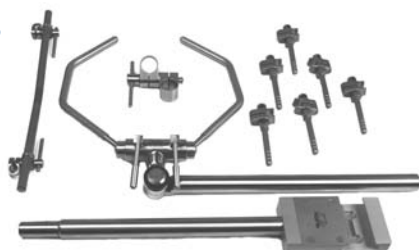


BUILD YOUR OWN SMALL INCISION SYSTEMS

Basic Systems without Blades

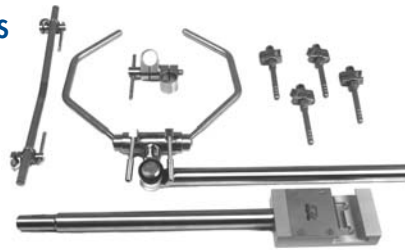
■ SYSTEM NO. 69601-S

Includes 1 each of 72011, 72013, 69589-S, 69592 and six each of 69187-S



■ SYSTEM NO. 69602-S

Includes 1 each of 72011, 72013, 69589-S, 69592 and four each of 69187-S



RETRACTOR FRAME COMPONENTS



- **REF. NO. 69589**
Universal Retractor
One-piece Frame
Large, 14" x 15"
35cm x 37.5cm



- **REF. NO.. 69589-S**
Universal Retractor
One-piece Frame
Small, 10" x 11"
25cm x 27.5cm



- **REF. NO. 69589-DA**
Universal Retractor
Frame for
Interchangeable Arms

All dimensions as shown above.



- **REF. NO. 69217-L**
Long Arms for 69589-DA



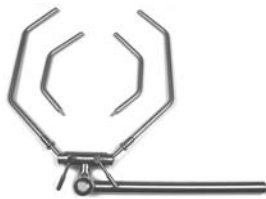
- **REF. NO. 69217-S**
Short Arms for
69589-DA



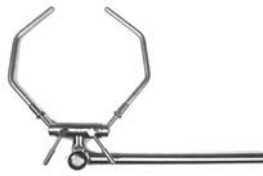
- **REF. NO. 69217-LS**
Set of Long and Short
Arms for 68589-DA



- **REF. NO. 69589-DAL**
Retractor Frame for
Interchangeable Arms
with Long Arms,
15" x 16"
37.5cm x 40cm



- **REF. NO. 69589-DALS**
Retractor Frame for
Interchangeable Arms
with Both Arms



- **REF. NO. 69589-DAS**
Retractor Frame for
Interchangeable Arms with
Short Arms, 10" x 11"
25cm x 27.5cm

COMPONENTS



- **REF. NO. 69187-S**
Quick-Lock Snap Clamp



- **REF. NO. 72078**
Malleable Fiber Optic Light Pipe. Can be
attached to any Standard Fiber Optic Cable.
Mounts on Mediflex Universal System with a
standard Snap Clamp (#69187-S)



- **REF. NO. 72007**
Malleable Blade Bending and Shaping Tool.
See page 19 for additional Information.



- **REF. NO. 72013**
Stainless Steel Coupler



- **REF. NO. 72013-C**
Quick Lock Post Coupler



- **REF. NO. 72013-D**
Delrin Coupler



- **REF. NO. 72011**
12", 30cm Field Post

- **REF. NO. 72009**
18", 40cm Field Post

- **REF. NO. 72010**
24", 60cm Field Post



- **REF. NO. 72014**
Vertical Extension Bar,
12", 30cm



- **REF. NO. 69592**
Extension Bridge Kit

SWIVEL-STYLE RETRACTOR BLADES Note: All Blade dimensions show Width x Depth unless specified.

BALFOUR/MAYO STYLE BLADES

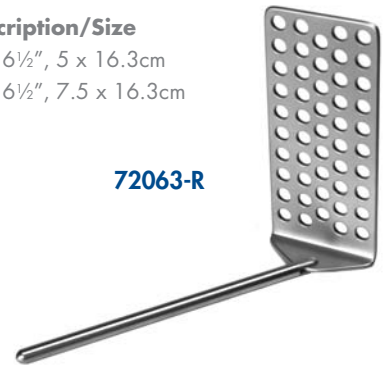


72038-R

Ref. No.	Description/Size
69773-R	1" x 1", 2.5 x 2.5cm
69774-R	2" x 2", 5 x 5cm
69772-R	2¾" x 2", 6.9 x 5cm
69603	3" x 2⅝", 7.5 x 6.5cm
72038-R	3¼" x 3", 8.1 x 7.5cm
72185-R	3½" x 2⅝", 8.8 x 5.9cm
72186-R	3½" x 3⅞", 8.8 x 7.8cm
72187-R	3½" x 3⅞", 8.8 x 9.9cm

"BIG BOY" BLADES

Ref. No.	Description/Size
72062-R	2" x 6½", 5 x 16.3cm
72063-R	3" x 6½", 7.5 x 16.3cm



72063-R

WEINBERG VAGOTOMY BLADE JOE'S HOE

Ref. No.	Description/Size
69742	3½" x 6½" 8.8 x 16.3cm



DEAVER BLADES

Ref. No.	Description/Size
72052-R	1" x 3½", 2.5 x 8.8cm
69771-R	1" x 5", 2.5 x 12.5cm
72172-R	1½" x 5", 3.8 x 12.5cm
72175-R	2½" x 6", 6.3 x 15cm
72069-R	3" x 10½", 7.5 x 26.3cm



72052-R

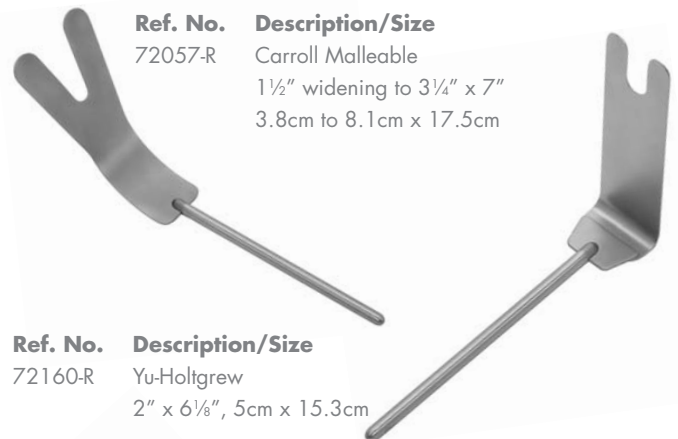
SPLANCHNIC BLADE RIGID WITH LIP



72071-R

Ref. No.	Description/Size
72176-R	1⅔" x 6", 4 x 15cm
72177-R	2⅝" x 4", 6 x 10cm
72178-R	2⅝" x 5⅔", 6 x 14cm
72179-R	2⅝" x 7¼", 6 x 18cm
72180-R	2⅝" x 8⅝", 6 x 21cm
72181-R	3¼" x 4¾", 8 x 12cm
72182-R	3¼" x 6⅝", 8 x 16cm
72071-R	4" x 5", 10 x 12.5cm
72183-R	4" x 6", 10 x 15cm
72184-R	4" x 8", 10 x 20cm

UROLOGY BLADES



Ref. No.	Description/Size
72057-R	Carroll Malleable 1½" widening to 3¼" x 7" 3.8cm to 8.1cm x 17.5cm

Ref. No.	Description/Size
72160-R	Yu-Holtgrew 2" x 6⅞", 5cm x 15.3cm

FENCE BLADES



Ref. No.	Description/Size
72072-R	Malleable 5" Tines 4" x 5" overall, 10 x 12.5cm



Ref. No.	Description/Size
69745	Rigid Fence, no lip 4" x 7", 10 x 17.5cm

Note: All Blade dimensions show Width x Depth unless specified.

SWIVEL-STYLE RETRACTOR BLADES

MALLEABLE BLADES WITH PROTECTED EDGES

See page 19 regarding a Malleable Blade Bending Tool.



■ **REF. NO. 69762-R**
1/2" x 2 1/2", 1.3cm x 6.2cm



■ **REF. NO. 72011-R**
1/2" x 4", 1.3cm x 10cm



■ **REF. NO. 69763-R**
1/2" x 6", 1.3cm x 15cm



■ **REF. NO. 69764-R**
1/2" x 8", 1.3cm x 20cm



■ **REF. NO. 69765-R**
1" x 4", 2.5cm x 10cm



■ **REF. NO. 72019-R**
1 1/2" x 6", 3.8cm x 15cm



■ **REF. NO. 69766-R**
2" x 4", 5cm x 10cm



■ **REF. NO. 69606**
2" x 6", 5cm x 15cm



■ **REF. NO. 72066-R**
2" x 8", 5cm x 20cm



■ **REF. NO. 72056-R**
2" x 10", 5cm x 25cm



■ **REF. NO. 69605**
3" x 8", 7.5cm x 20cm



■ **REF. NO. 69743**
3" x 10", 7.5cm x 25cm



■ **REF. NO. 72053-R**
3" x 12", 7.5cm x 30cm



■ **REF. NO. 72112-R**
4" x 8", 10cm x 20cm



■ **REF. NO. 69744**
4" x 12", 10cm x 30cm



■ **REF. NO. 72041-R**
6" x 12", 15cm x 30cm

CUSTOM BLADES

Mediflex can provide virtually any retractor style for use with Mediflex Universal or any other 1/2" Round Bar System. Most can be delivered in 3 to 4 weeks. Please contact Mediflex at 1-800-764-0474 or your local distributor for additional information.

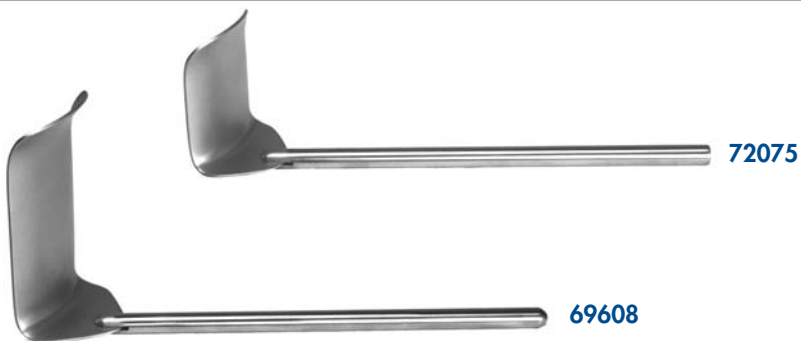
RADIOLOGENT ALUMINUM BLADES ARE ALSO AVAILABLE.

SWIVEL-STYLE RETRACTOR BLADES

Note: All Blade dimensions show Width x Depth unless specified.

KELLY BLADES

Ref. No.	Description/Size
72107-R	1" x 3", 2.5 x 7.5cm
69769-R	1½" x 2", 3.8 x 5cm
72075-R	2" x 2½", 5 x 6.3cm
69607	2" x 3", 5 x 7.5cm
69608	2" x 4", 5 x 10cm
69609	2" x 6", 5 x 15cm
72059-R	2" x 8", 5 x 20cm
69741	2½" x 10", 6.3 x 25cm



HARRINGTON BLADES SWEETHEARTS

Blade dimensions on Harringtons have 3 values.

The first number is the width of the blade at the handle, the second is the overall depth of the blade and the third is the width at the widest point.

Ref. No.	Description/Size
72109-R	1" x 2½" x 2" 2.5cm x 6.3cm x 5cm
69604	1" x 5⅝" x 2½" 2.5cm x 14cm x 6.3cm
72081-R	2½" x 8" x 3½" 6.3cm x 20cm x 8.8cm
72080-R	2½" x 5⅝" x 3½" 6.3cm x 14cm x 8.8cm
69740	1½" x 8" x 3½" 3.8cm x 20cm x 8.8cm



MEDIFLEX® POSITRACTOR™ SURGICAL HOLDING AND POSITIONING DEVICES

The Positraction Device's proximal clamp affixes to the ring of all commonly used retractor systems including Bookler Table Mounted Retractor System and the Mediflex Universal Table Mounted Retractor System. The distal clamp will hold a wide variety of surgical instruments up to 8mm in diameter including Army/Navy Retractors, Vein Retractors and vascular clamps. These Flexible Devices can be positioned in a virtually infinite number of shapes, and then tightened to hold that shape. They are particularly useful in holding retractor designs that are not included in a Table Mounted Set or for deeper retraction than a Table Mounted Set allows. There are 2 lengths available: 6" (15cm) and 9" (22.5cm).



69072

6" (15cm) Positraction™
Holder and Positioner



69073

9" (22.5cm) Positraction™
Holder and Positioner

THE MEDIFLEX DAVIDA™ MICROSURGERY RETRACTOR AND HAND STABILIZATION SYSTEM

Mel Greenberg, M.D. began his training in Neurosurgery at about the same time that Surgical Microscopes were being introduced to the Neurosurgical community. Dr. Greenberg - and others - were trained at that time to use the microscope in much the same way that they had done traditional neurosurgery... standing, holding instruments in mid-air and passing instruments back and forth to scrub techs.

Many of the new procedures pioneered by the availability of surgical microscopes - such as AV Malformation - could last many hours. The inevitable side effects (on the surgeon) included fatigue and tremor. The prescribed preventions included the elimination of caffeinated beverages, alcohol and strenuous exercise for 24 hours or more prior to performing surgery. And still, fatigue and tremor persisted.

Dr. Greenberg theorized that a radically different solution was needed:

- First, he said, the surgeon should sit when performing Microsurgery. The very act of standing uses the large muscles of the legs and back and inevitably results in fatigue.
- Secondly, he recommended resting the wrists on a solid base. The small hand and finger movements required in microsurgical procedures are much easier when the wrists are supported. He likens this to writing. You don't hold your hands in mid air to write, you place your wrist on a secure surface to support them.



This removes the large muscles of the arm from having to support the hand and reduces both fatigue and tremor.

- Thirdly, he recommended against traditional instrument exchanges which also involved using the large muscles of the arm, shoulder and back to reach out for instruments.

Dr. Greenberg then worked with David T. Adler, founder of Mediflex, to design a system that would allow for these principles. The result of their collaboration was the Greenberg Neurosurgery System. It featured hand rests on an adjustable arm that could be locked in position as well as several smaller arms that would hold the necessary instruments right at the surgical site, virtually eliminating the need for traditional instrument passes. Mediflex selected a Division of Johnson and Johnson to distribute the Greenberg System world wide. While still making the Greenberg System for J&J, we also market it through our own distribution as the Davida System, named after the co-inventor, David T. Adler.

But Mediflex has taken the original concept even further. Since intraoperative MRI's are now available, we offer the Davida System in Titanium, a material that leaves minimal artifact on MRI Images and is not affected by the magnetic field. We also market smaller systems for use in other surgical specialties that perform microsurgical procedures. And, all Davida parts are identical to the Greenberg Devices you may have and will fit them exactly. After all, David Adler designed the Greenberg System.

DELUXE SYSTEM IN TITANIUM

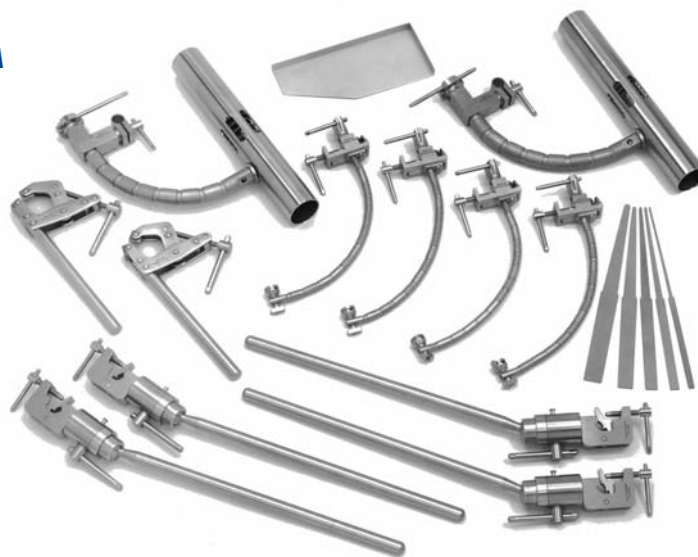
THE MEDIFLEX DAVIDA™ MICROSURGERY RETRACTOR AND HAND STABILIZATION SYSTEM

■ SYSTEM NO. 69810-TI

Qty.	Ref. No.	Description/Size
2 ea	69013-TI	Handrest, 10"
4 ea	69015-TI	Long Retractor Arm
2 ea	69019-TI	Primary Bar
4 ea	69022-TI	Floating Secondary Bars
1 ea	69802	Patty Tray, Aluminum
1 ea	69801	Case for Davida System, Stainless Steel

Five, 9" Tapered Malleable Titanium Blades:

69807-TI	1/16" to 1/4", .15cm to .62cm
69806-TI	3/32" to 3/8", .23cm to .94cm
69805-TI	1/8" to 1/2", .31cm to 1.25cm
69804-TI	5/32" to 5/8", .39cm to 1.56cm
69803-TI	1/4" to 3/4", .62cm to 1.87cm



■ SYSTEM NO. 69810

DELUXE SYSTEM IN STAINLESS STEEL

THE MEDIFLEX DAVIDA™ MICROSURGERY RETRACTOR AND HAND STABILIZATION SYSTEM

Qty.	Ref. No.	Description/Size
2 ea	69013	Handrest, 10"
4 ea	69015	Long Retractor Arm
2 ea	69019	Primary Bar
4 ea	69022	Floating Secondary Bars
1 ea	69802	Patty Tray
1 ea	69801	Case for Davida System

Five, 9" Malleable Tapered Blades:

69807	1/16" to 1/4", .15cm to .62cm
69806	3/32" to 3/8", .23cm to .94cm
69805	1/8" to 1/2", .31cm to 1.25cm
69804	5/32" to 5/8", .39cm to 1.56cm
69803	1/4" to 3/4", .62cm to 1.87cm

ORIGINAL SYSTEM IN TITANIUM

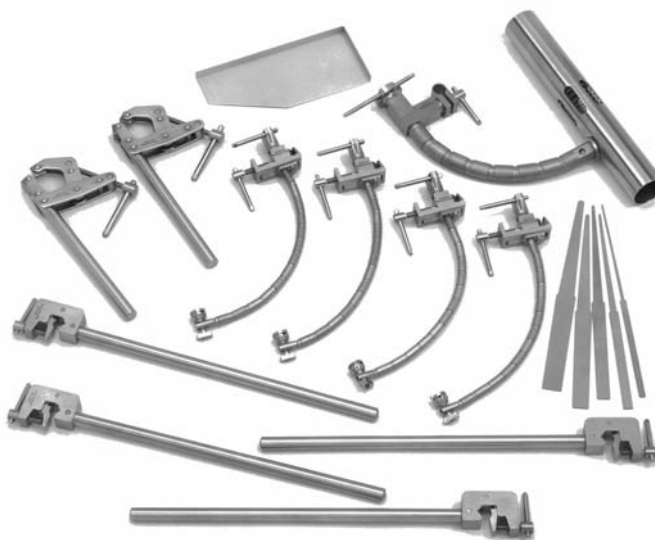
THE MEDIFLEX DAVIDA™ MICROSURGERY RETRACTOR AND HAND STABILIZATION SYSTEM

■ SYSTEM NO. 69800-TI

Qty.	Ref. No.	Description/Size
1 ea	69013-TI	Handrest, 10"
4 ea	69015-TI	Long Retractor Arm
2 ea	69019-TI	Primary Bar
4 ea	69020-TI	Standard Secondary Bars
1 ea	69802	Patty Tray, Aluminum
1 ea	69801	Case for Davida System, Stainless Steel

Five, 9" Tapered Malleable Titanium Blades:

69807-TI	1/16" to 1/4", .15cm to .62cm
69806-TI	3/32" to 3/8", .23cm to .94cm
69805-TI	1/8" to 1/2", .31cm to 1.25cm
69804-TI	5/32" to 5/8", .39cm to 1.56cm
69803-TI	1/4" to 3/4", .62cm to 1.87cm



■ SYSTEM NO. 69800

ORIGINAL SYSTEM IN STAINLESS STEEL

THE MEDIFLEX DAVIDA™ MICROSURGERY RETRACTOR AND HAND STABILIZATION SYSTEM

Qty.	Ref. No.	Description/Size
1 ea	69013	Handrest, 10"
4 ea	69015	Long Retractor Arm
2 ea	69019	Primary Bar
4 ea	69020	Standard Secondary Bars
1 ea	69802	Patty Tray
1 ea	69801	Case for Davida System

Five, 9" Malleable Tapered Blades:

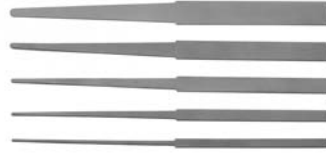
69807	1/16" to 1/4", .15cm to .62cm
69806	3/32" to 3/8", .23cm to .94cm
69805	1/8" to 1/2", .31cm to 1.25cm
69804	5/32" to 5/8", .39cm to 1.56cm
69803	1/4" to 3/4", .62cm to 1.87cm

DAVIDA STERILIZATION TRAY



- **REF. NO. 69801** Stainless Steel,
17" x 10" x 2½",
42.5cm x 25cm x 6.25cm

TAPERED MALLEABLE BLADES, 9", 22.5cm



SS #	Size	Titanium #
69803	¼" to ¾"	69803-TI
69804	⅝" to ⅞"	69804-TI
69805	⅞" to 1½"	69805-TI
69806	¾" to ⅞"	69806-TI
69807	⅞" to 1¼"	69807-TI

HANDREST, 10", 25cm



- **REF. NO. 69013** Stainless
- **REF. NO. 69013-TI** Titanium

LONG RETRACTOR ARM, 9", 22.5cm



- **REF. NO. 69015** Stainless
- **REF. NO. 69015-TI** Titanium

PRIMARY BAR, 6", 15cm



- **REF. NO. 69019** Stainless
- **REF. NO. 69019-TI** Titanium

STANDARD SECONDARY BAR, 12", 30cm



- **REF. NO. 69020** Stainless
- **REF. NO. 69020-TI** Titanium

FLOATING SECONDARY BAR, 12", 30cm



- **REF. NO. 69022** Stainless
- **REF. NO. 69022-TI** Titanium

ALUMINUM PATTY TRAY, 6¾" x 3", 16.8cm x 7.5cm



- **REF. NO. 69802**

LARGE NEURO INSTRUMENT HOLDER, 9", 22.5cm



- **REF. NO. 69011** Up to 1" (2.5cm)

MAXI-VISE ADAPTER



- **REF. NO. 69021**

SHORT COUPLER, 3", 7.5cm



- **REF. NO. 69026**

SHORT RETRACTOR ARM, 6½", 16.3cm



- **REF. NO. 69014**

MICRO NEURO INSTRUMENT HOLDER, 9", 22.5cm



- **REF. NO. 69024**
Clamps up to ⅛", .3cm

SMALL INSTRUMENT HOLDER, 9", 22.5cm



- **REF. NO. 69012** Up to 5/16" (.8cm)

X-LARGE NEURO INSTRUMENT HOLDER



- **REF. NO. 69035** Clamps up to 2" (5cm)

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69013	35	69769-R	32	72034	18	72102-P	7, 11	72229-B	23
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69015-TI	35	69772-R	30	72036	12	72107-R	32	72230	22
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69020-TI	35	69800	34	72039	16	72109	15	72236	21
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69022-TI	35	69803-TI	35	72041	17	72111	17	72243	26
69022	35	69803	35	72042	18	72112-R	31	72244	26
69024	35	69804-TI	35	72043	18	72112	17	72245	26
69026	35	69804	35	72044	16	72113	12	72250	26
69029	13	69805-TI	35	72045	16	72114	12	72251	26
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69187-S	29	69807	35	72052-R	30	72119	18	72255	26
69195	12	69810-TI	34	72052	14	72120	18	72255-S	26
69196	12	69810	34	72053-R	31	72121	18	72256	26
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69217-LS	29	71181	26	72054	17	72123	13	72257	26
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69266	12	72002	19	72058	15	72128	15	72262	25
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69600	28	72013	11, 29	72064	17	72132	9	72273	26
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69601	28	72015	17	72066-R	31	72134	8	72275	26
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69602	28	72017	16	72067	15	72137	10	72277	26
69603	30	72018	14	72069-R	30	72160-R	30	72278	25
69604	32	72019-R	31	72069	14	72160	18	72279	25
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69606	31	72020	17	72070	8	72175-R	30	72282	25
69607	32	72021	16	72071-R	30	72176-R	30	72283	25
69608	32	72022	16	72071	14	72177-R	30	72284	25
69609	32	72023	15	72072-R	30	72178-R	30	72285	25
69610	28	72024	14	72072	14	72179-R	30	72286	25
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TABLE MOUNTED RETRACTOR SYSTEMS AND COMPONENTS

Virtually all of the devices shown in this catalog are manufactured of surgical grade stainless steel or titanium. As such, they should be cared for as you would any high quality surgical instrument. Each device is shipped to the end user with specific Instructions for Use for that device. Additional copies of the Instructions for any Mediflex device are available through your Mediflex Distributor or through our web site - www.mediflex.com.

In general however, we recommend:

INSPECTION

Inspection of all devices should be done each time the instrument is prepared for sterilization. This inspection should check for missing or damaged parts and should include testing any moving parts for proper function. Any part that has missing or damaged components or that is not functioning correctly should be set aside for repair or replacement and not used in surgery.

CLEANING

These devices should be cleaned and sterilized upon receipt. After each 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.
- Disassemble devices only as far as is recommended in that item's Instructions for Use. Trying to disassemble devices

not meant to be taken apart could result in lost or damaged components.

- Washer-sterilizers should be used according to the washer-sterilizer's manufacturer's recommendations.
- Ultrasonic and/or mechanical (hand) cleaning is recommended. Hand cleaning should use a mild surgical instrument detergent and brushes. Do not use metal-bristled brushes as they can damage the instrument. Ultrasonic cleaning should be done according to the procedures provided by the ultrasonic cleaner's manufacturer.
- Always rinse in distilled water and re-inspect for loose or missing parts, cracks and broken components. Also inspect for visible soil or debris. If present, repeat the cleaning process.
- 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

After proper cleaning, these products may be sterilized according to hospital protocol for reusable surgical instruments. Minimum parameters for Pre-Vac Cycles are 4 minutes at 132°C (270° F). Other methods including gravity, flash, Ethylene Oxide, Peracetic Acid (Steris®) and Hydrogen Peroxide Gas Plasma (Sterrad®) systems may be used. Always follow the manufacturer's recommendations for surgical instruments in the use of any sterilizer.

Your authorized Mediflex Distributor will be happy to provide in-service training to either SPD or Operating Room Personnel on the proper use and maintenance of Mediflex products.



MOBILE POLE STAND

The Mobile Pole Stand (#73100) is designed to be used outside a sterile field. Clean after each procedure with a disinfectant and wipe down prior to each use. Lubricate the thumb screws and other moving parts regularly. Keep all (5) wheel brakes locked when in use and while being stored.

Limited Product Warranty: All products in this catalogue are warranted to the original purchaser to be free from defects in the material and workmanship for a period of one (1) year from the date of purchase as indicated by the date stamp on the part. If a 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 products at our option. Mediflex's liability under this limited warranty does not extend to any abuse or misuse of the product.

**To Order Mediflex Products contact your
local Distributor or contact Mediflex at:**



You can find your distributor at www.mediflex.com

toll free: 800-764-0474

phone: 631-582-6424

fax: 631-582-4520

email: sales@mediflex.com

Mediflex Order Dept.

250 Gibbs Road

Islandia, NY 11749-2697

USA

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SURGICAL PRODUCTS