



 symmetry surgical® | **Greenberg®**  
**RETRACTOR CATALOG**

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## OVERVIEW

Symmetry Surgical® has been a leader in the cranial retraction field for 40+ years. The Greenberg® retractor, sold exclusively by Symmetry Surgical, is a versatile system offering space planning, flexibility and quick set-up to provide optimal performance with more control and less tremor and fatigue.

Symmetry Surgical, in collaboration with Dr. Jeffrey Greenberg, has expanded the Greenberg portfolio with the introduction of the Greenberg Simplicity. The Greenberg Simplicity components simplify the Greenberg retractor set-up by reducing the number of base components and increasing the ease of assembly.

The Greenberg accessories are compatible with both original Greenberg and Greenberg Simplicity base components. This allows you to upgrade to Greenberg Simplicity while continuing to use the accessories you have trusted for years.



## Original Greenberg® Retractor






## Greenberg® Simplicity Retractor



# GREENBERG® RETRACTOR

All of your Greenberg® accessories are fully compatible with both our Original Greenberg® or Greenberg® Simplicity base components.

## Original Greenberg® Base Components

Code	Post Length	Description	Product
50-1507	6in	Greenberg® Retractor Primary Clamp *Attach to cranial stabilization system	
50-1508	12in	Greenberg® Retractor Secondary Clamp *Attach to Primary Clamp (50-1507) or Secondary Clamp (50-1508 or 50-1516)	
50-1506	12in	Greenberg® Retractor Floating Secondary Clamp *Attach to Primary Clamp (50-1507) or Secondary Clamp (50-1508 or 50-1516)	

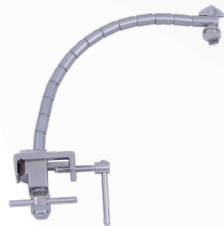

## Greenberg® Simplicity Base Components

Code	Description	Product
50-1517	Greenberg® Retractor Primary Clamp *Attach to cranial stabilization system	
50-1518	Greenberg® Simplicity Secondary Arc *Attach to Greenberg® Simplicity Primary Clamp (50-1517)	

# GREENBERG® RETRACTOR

The retractor arms are designed to securely hold the retractor blades in place. Attach to Secondary Clamps (50-1508, 50-1516 or 50-1518) and to the Short Coupler (50-1522).

## Retractor Arms

Code	Flex Arm Length	Description	Product
50-1509	9½in	Greenberg® Retractor Long Arm	
50-1511	6½in	Greenberg® Retractor Short arm	

## Instrument Holders

The Greenberg® Instrument Holders have flexible arms that support instruments being used repeatedly within the retracted field. Attach to the Secondary Clamps (50-1508, 50-1516 or 50-1518) and to the Short Coupler (50-1522).

Code	Description	Product
50-1529	Greenberg® Retractor Micro Instrument Holder *Holds instruments with shafts up to 1/8" in diameter	
50-1523	Greenberg® Retractor Small Instrument Holder *Holds instruments with shafts up to 5/6" in diameter	
50-1524	Greenberg® Retractor Large Instrument Holder *Holds instruments with shafts up to 1" in diameter	
50-1525	Greenberg® Retractor Extra Large Instrument Holder *Holds instruments with shafts up to 2" in diameter	

# GREENBERG® RETRACTOR

## Malleable Retractor Blades

The Malleable Retractor Blades are used for retraction. All blades are 4in long with varying widths. Attach to Long Arm (50-1509) and Short Arm (50-1511).



50-1501

Code	Blade Dimensions (W x L)	Description
50-1501	1/2" x 4"	Greenberg® Malleable Retractor Blade
50-1502	1/4" x 4"	Greenberg® Malleable Retractor Blade
50-1503	3/8" x 4"	Greenberg® Malleable Retractor Blade
50-1504	5/8" x 4"	Greenberg® Malleable Retractor Blade
50-1505	3/4" x 4"	Greenberg® Malleable Retractor Blade
50-1506	1" x 4"	Greenberg® Malleable Retractor Blade

## Malleable Tapered Retractor Blades

Both ends of the Greenberg® Tapered Retractor Blades can be used for retraction. All blades are 9in long with varying widths. Attach to Long Arm (50-1509) or Short Arm (50-1511).



50-1530

Code	Blade Width	Total Length	Description
50-1530	1/4" x 3/4"	9"	Greenberg® Malleable Tapered Retractor Blade
50-1531	5/32" x 5/8"	9"	Greenberg® Malleable Tapered Retractor Blade
50-1532	1/8" x 1/2"	9"	Greenberg® Malleable Tapered Retractor Blade
50-1533	3/32" x 3/8"	9"	Greenberg® Malleable Tapered Retractor Blade
50-1534	1/16" x 1/4"	9"	Greenberg® Malleable Tapered Retractor Blade



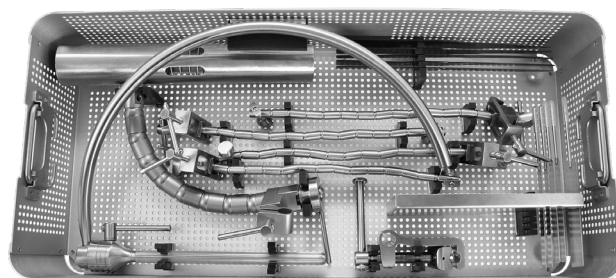
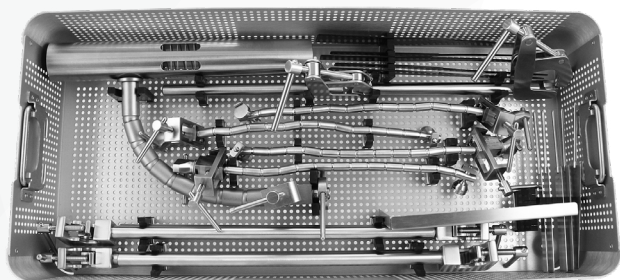
# GREENBERG® RETRACTOR

## Accessories

Code	Length	Description	Product
50-1512	Handle: 10"	Greenberg® Retractor Hand Rest *Attach to Short Coupler (50-1522)	
50-1513		Greenberg® Retractor Pattie Tray *Attach to Long Arm (15-1509) or Short Arm (50-1511)	
50-1515		Greenberg® Retractor Maxi-Vise Adapter *Attach to Long Arm (50-1509) or Short Arm (50-1511)	
50-1522	Post: 3"	Greenberg® Retractor Short Coupler *Attach to Secondary Clamps (50-1508, 1516 or 50-1518)	

# GREENBERG® RETRACTOR

## Sterilization Cases



### Greenberg® Versapak™

The Greenberg® Versapak™ is compatible with Quad-Lock® Solid Base: 50-8742 or Filter Base: 50-8730, compatible with 50-8546 VersaPak™ Full Aluminium Tray Lid.

Designed to hold the following components:

Item Code	Description
50-1501	Greenberg® Malleable Retractor Blade 1/2" x 4"
50-1502	Greenberg® Malleable Retractor Blade 1/4" x 4"
50-1503	Greenberg® Malleable Retractor Blade 3/8" x 4"
50-1504	Greenberg® Malleable Retractor Blade 5/8" x 4"
50-1505	Greenberg® Malleable Retractor Blade 3/4" x 4"
50-1506	Greenberg® Malleable Retractor Blade 1" x 4"
50-1507	Greenberg® Retractor Primary Clamp, 6"
50-1508	Greenberg® Retractor Secondary Clamp, 12"
50-1509	Greenberg® Retractor Long Arm
50-1512	Greenberg® Retractor Hand Rest, 10"
50-1513	Greenberg® Retractor Pattie Tray
50-1530	Greenberg® Malleable Tapered Retractor blade 1/4" x 3/4" width, 9" long
50-1531	Greenberg® Malleable Tapered Retractor Blade 5/32" x 5/8" width, 9" long
50-1532	Greenberg® Malleable Tapered Retractor Blade 1/8" x 1/2" width, 9" long
50-1533	Greenberg® Malleable Tapered Retractor Blade 3/32" x 3/8" width, 9" long
50-1534	Greenberg® Malleable Tapered Retractor Blade 1/16" x 1/4" width, 9" long

### Greenberg® Simplicity Versapak™

The Greenberg® Simplicity Versapak™ is compatible with Quad-Lock® Solid Base: 50-8742 or Filter Base: 50-8730, compatible with 50-8546 VersaPak™ Full Aluminium Tray Lid.

Designed to hold the following components:

Item Code	Description
50-1501	Greenberg® Malleable Retractor Blade 1/2" x 4"
50-1502	Greenberg® Malleable Retractor Blade 1/4" x 4"
50-1503	Greenberg® Malleable Retractor Blade 3/8" x 4"
50-1504	Greenberg® Malleable Retractor Blade 5/8" x 4"
50-1505	Greenberg® Malleable Retractor Blade 3/4" x 4"
50-1506	Greenberg® Malleable Retractor Blade 1" x 4"
50-1507	Greenberg® Retractor Primary Clamp, 6"
50-1508	Greenberg® Retractor Secondary Clamp, 12"
50-1509	Greenberg® Retractor Long Arm
50-1512	Greenberg® Retractor Hand Rest, 10"
50-1513	Greenberg® Retractor Pattie Tray
50-1530	Greenberg® Malleable Tapered Retractor blade 1/4" x 3/4" width, 9" long
50-1531	Greenberg® Malleable Tapered Retractor Blade 5/32" x 5/8" width, 9" long
50-1532	Greenberg® Malleable Tapered Retractor Blade 1/8" x 1/2" width, 9" long
50-1533	Greenberg® Malleable Tapered Retractor Blade 3/32" x 3/8" width, 9" long
50-1534	Greenberg® Malleable Tapered Retractor Blade 1/16" x 1/4" width, 9" long

# GREENBERG® RETRACTOR

## Sterilization Cases

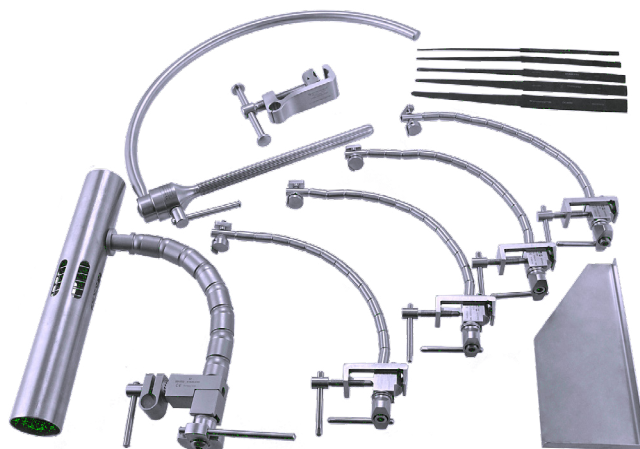
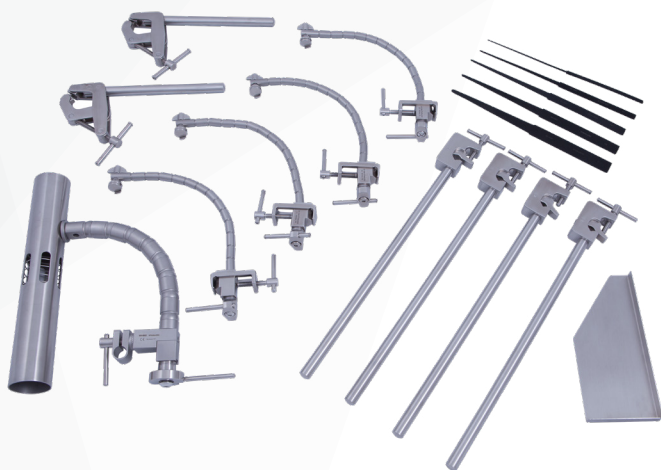
- Contains four compartments to hold various components.
- Greenberg® Simplicity Secondary Arc (50-1518) will not fit in this case.



Code	Description	Width	Length	Depth
50-1514	Greenberg® Retractor Sterilizing Case	10" (254mm)	17 1/2" (444mm)	2 3/8" (60mm)
	Compartment 1	7 3/4" (197mm)	10 3/4" (264mm)	
	Compartment 2	2 1/8" (54mm)	17" (432mm)	
	Compartment 3	4 5/8" (117mm)	6 3/4" (171mm)	
	Compartment 4	3 1/8" (79mm)	6 3/4" (171mm)	

# GREENBERG® RETRACTOR

## Kits



### Greenberg® Retractor Kit

The Greenberg® Retractor Kit Includes:

### Greenberg® Simplicity Retractor Kit

The Greenberg® Simplicity Retractor Kit Includes:

Item Code	Description	Item Code	Description
50-1507	Greenberg® Retractor Primary Clamp	50-1517	Greenberg® Simplicity Primary Clamp
50-1508	Greenberg® Retractor Primary Secondary Clamp	50-1518	Greenberg® Simplicity Secondary Arc
50-1509	Greenberg® Retractor Long Retractor Arm	50-1509	Greenberg® Retractor Long Retractor Arm
50-1512	Greenberg® Retractor Hand Rest	50-1512	Greenberg® Retractor Hand Rest
50-1513	Greenberg® Retractor Pattie Tray	50-1513	Greenberg® Retractor Pattie Tray
50-1514	Greenberg® Retractor Sterilizing Case	50-8620	Greenberg® Simplicity VersaPak™
50-1530	Greenberg® Malleable Tapered Retractor Blade, Length 9", Width 1/4" x 3/4"	50-1530	Greenberg® Malleable Tapered Retractor Blade, Length 9", Width 1/4" x 3/4"
50-1531	Greenberg® Malleable Tapered Retractor Blade Length 9", Width 5/32" in x 5/8"	50-1531	Greenberg® Malleable Tapered Retractor Blade Length 9", Width 5/32" x 5/8"
50-1532	Greenberg® Malleable Tapered Retractor Blade Length 9", Width 1/8" x 1/2"	50-1532	Greenberg® Malleable Tapered Retractor Blade Length 9", Width 1/8" x 1/2"
50-1533	Greenberg® Malleable Tapered Retractor Blade Length 9", Width 3/32" x 3/8"	50-1533	Greenberg® Malleable Tapered Retractor Blade Length 9", Width 3/32" x 3/8"
50-1534	Greenberg® Malleable Tapered Retractor Blade Length 9", Width 1/16" x 1/4"	50-1534	Greenberg® Malleable Tapered Retractor Blade Length 9", Width 1/16" x 1/4"

Our highly-trained customer support team is available to take your calls from 7:00 am to 5:30 pm (CST), Monday - Friday. This group is dedicated to providing a full range of support services, including:

- Order Placement
- Order Inquiries
- Delivery Information
- Product Information
- Pricing Inquiries

If we can be of assistance, please contact us using the methods below:

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US & Canada: +1 800-251-3000

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## WEB

[www.symmetrysurgical.com](http://www.symmetrysurgical.com)

Live Chat on [symmetrysurgical.com](http://www.symmetrysurgical.com):

Click the "Can We Help You" window in the bottom corner of any page on [symmetrysurgical.com](http://www.symmetrysurgical.com) to be connected directly to a member of our sales or customer service team.

We can chat in real time and answer your questions about our company and surgical instrument portfolio.

(Available Monday through Friday, 7:30 am - 5:30 pm CST)

## MAILING ADDRESS

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